

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052328.D
 Acq On : 14 Nov 2018 22:02
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:53:29 PM

Quant Time: Nov 15 03:54:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	268014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	451027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	407856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	190720	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	147470	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.09	98	574671	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	197464	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	145766	51.325	ug/l	98
3) Chloromethane	2.06	50	199740	50.608	ug/l	99
4) Vinyl Chloride	2.19	62	169729	49.750	ug/l	99
5) Bromomethane	2.57	94	97425	45.806	ug/l	98
6) Chloroethane	2.71	64	93130	48.280	ug/l	100
7) Trichlorofluoromethane	3.02	101	236466	50.088	ug/l	97
8) Diethyl Ether	3.41	74	90176	50.117	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142679	47.856	ug/l	99
10) Methyl Iodide	3.96	142	200889	50.184	ug/l	99
11) Tert butyl alcohol	4.78	59	45488	227.545	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	131823	47.780	ug/l	99
13) Acrolein	3.61	56	70289	234.584	ug/l	98
14) Allyl chloride	4.33	41	280042	49.433	ug/l	99
15) Acrylonitrile	4.99	53	286067	250.606	ug/l	99
16) Acetone	3.82	43	222668	213.644	ug/l	95
17) Carbon Disulfide	4.06	76	385897	48.778	ug/l	98
18) Methyl Acetate	4.33	43	144360	49.434	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	405179	51.104	ug/l	99
20) Methylene Chloride	4.55	84	162280	51.197	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	144940	48.794	ug/l	99
22) Diisopropyl ether	5.95	45	588446	50.909	ug/l	100
23) Vinyl Acetate	5.90	43	2051092	261.583	ug/l	100
24) 1,1-Dichloroethane	5.85	63	300778	48.528	ug/l	99
25) 2-Butanone	6.83	43	354009	241.311	ug/l	98
26) 2,2-Dichloropropane	6.83	77	211306	46.364	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	164496	47.570	ug/l	97
28) Bromochloromethane	7.20	49	155144	48.682	ug/l	100
29) Tetrahydrofuran	7.21	42	247542	256.859	ug/l	99
30) Chloroform	7.37	83	299881	50.769	ug/l	98
31) Cyclohexane	7.65	56	284012	49.340	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	246048	48.898	ug/l	99
36) 1,1-Dichloropropene	7.80	75	223493	49.438	ug/l	99
37) Ethyl Acetate	6.93	43	164987	50.288	ug/l	97
38) Carbon Tetrachloride	7.78	117	214874	51.736	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	258132	50.019	ug/l	99
40) Benzene	8.04	78	646861	50.088	ug/l	99
41) Methacrylonitrile	7.18	41	93553	51.243	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	232232	50.428	ug/l	100
43) Isopropyl Acetate	8.17	43	313295	49.487	ug/l	97
44) Trichloroethene	8.83	130	160202	50.359	ug/l	98
45) 1,2-Dichloropropane	9.12	63	182045	49.670	ug/l	99
46) Dibromomethane	9.21	93	105893	49.909	ug/l	98
47) Bromodichloromethane	9.40	83	224944	51.664	ug/l	98
48) Methyl methacrylate	9.20	41	160120	49.844	ug/l	99
49) 1,4-Dioxane	9.20	88	23182	940.062	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	844932	265.136	ug/l	99
52) Toluene	10.16	92	396475	51.319	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	224952	51.228	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	258515	51.643	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	140902	50.310	ug/l	96
56) Ethyl methacrylate	10.43	69	196754	53.419	ug/l	99
57) 1,3-Dichloropropane	10.71	76	252161	50.832	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	569539	271.604	ug/l	100
59) 2-Hexanone	10.75	43	567496	258.898	ug/l	100
60) Dibromochloromethane	10.90	129	155803	51.418	ug/l	99
61) 1,2-Dibromoethane	11.00	107	141363	50.672	ug/l	99
64) Tetrachloroethene	10.63	164	139250	48.024	ug/l	98
65) Chlorobenzene	11.43	112	426402	49.461	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	150826	51.304	ug/l	99
67) Ethyl Benzene	11.51	91	763742	51.043	ug/l	99
68) m/p-Xylenes	11.62	106	569367	104.145	ug/l	99
69) o-Xylene	11.95	106	275054	52.485	ug/l	98
70) Styrene	11.96	104	446737	53.238	ug/l	99
71) Bromoform	12.13	173	91016	52.436	ug/l #	97
73) Isopropylbenzene	12.25	105	743778	49.236	ug/l	98
74) N-amyl acetate	12.07	43	288177	53.559	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	176580	48.355	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	156466m	49.077	ug/l	
77) Bromobenzene	12.53	156	173602	49.390	ug/l	99
78) n-propylbenzene	12.59	91	874426	49.494	ug/l	100
79) 2-Chlorotoluene	12.67	91	505918	49.019	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	603872	50.268	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48707	49.551	ug/l	100
82) 4-Chlorotoluene	12.77	91	513377	48.551	ug/l	98
83) tert-Butylbenzene	12.99	119	519121	48.947	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	606883	50.323	ug/l	99
85) sec-Butylbenzene	13.17	105	725318	50.204	ug/l	99
86) p-Isopropyltoluene	13.29	119	612281	50.030	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	303101	48.555	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	301012	48.502	ug/l	98
89) n-Butylbenzene	13.61	91	540176	51.392	ug/l	100
90) Hexachloroethane	13.87	117	107303	49.503	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	294709	48.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28258	52.477	ug/l	95

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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131977	47.039	ug/l	99
94) Hexachlorobutadiene	15.01	225	66412	47.976	ug/l	98
95) Naphthalene	15.13	128	315143	47.518	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	120125	52.272	ug/l	100

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

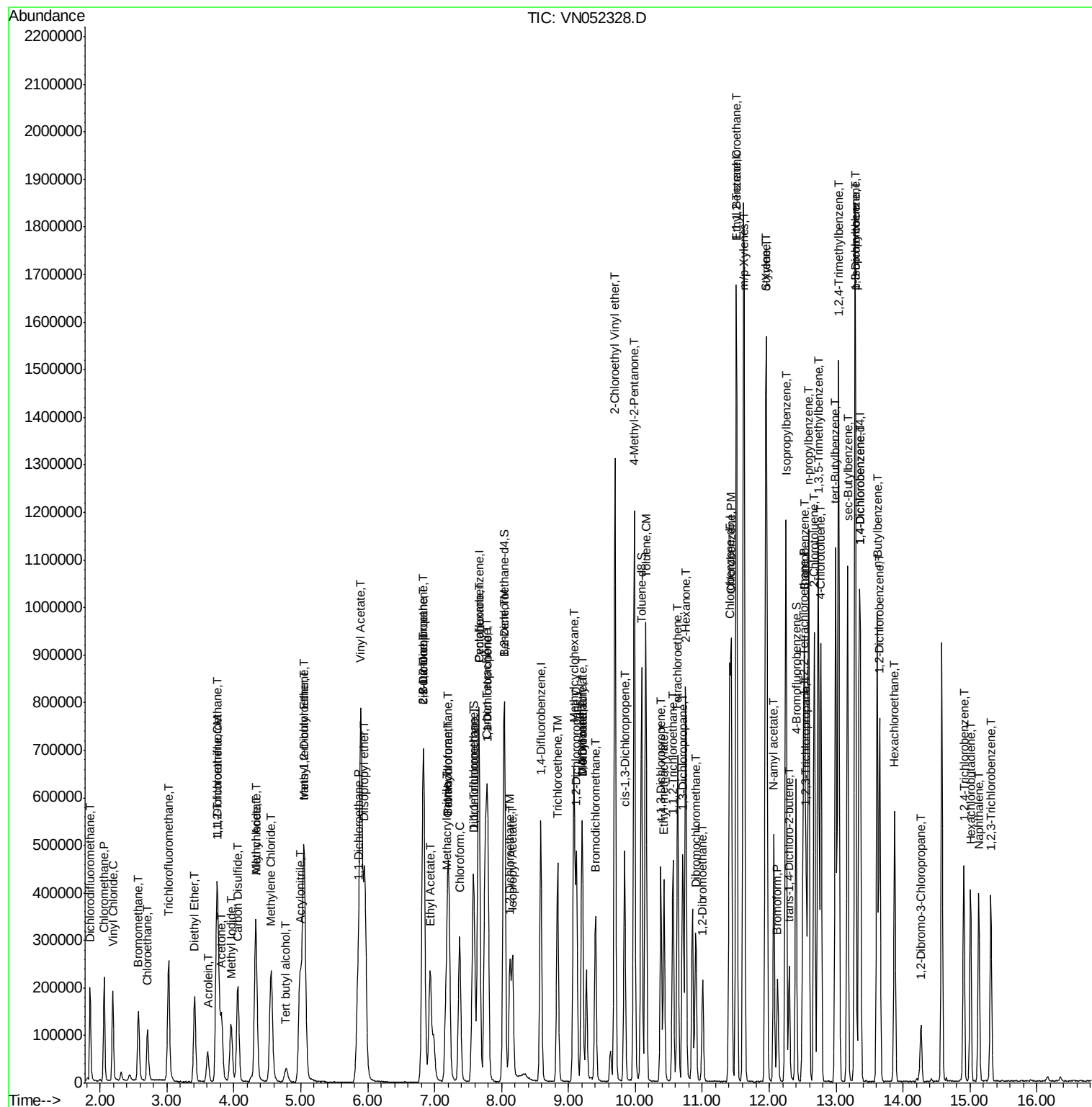
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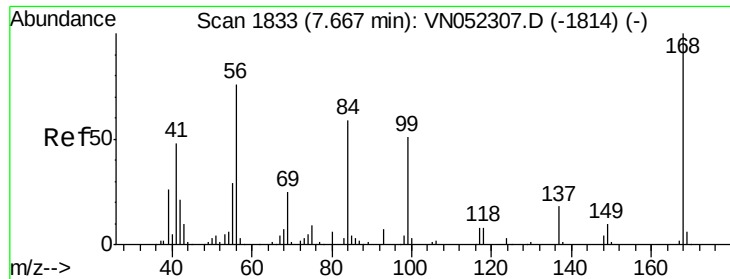
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050EC

Manual Integrations
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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: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 268014

Ion Ratio Lower Upper

168 100

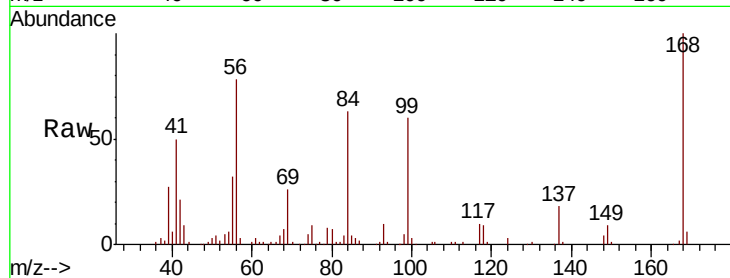
99 59.9 47.9 71.9

Manual Integrations

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11/20/2018 2:53:29 PM



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.67

120000

100000

80000

60000

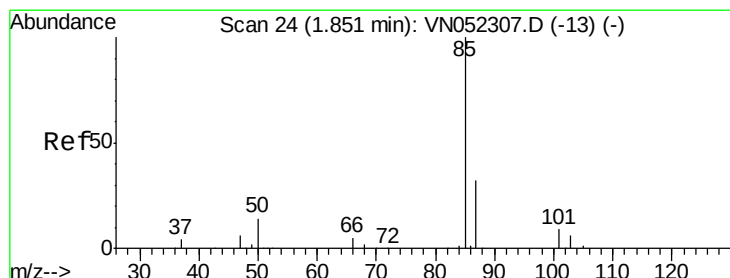
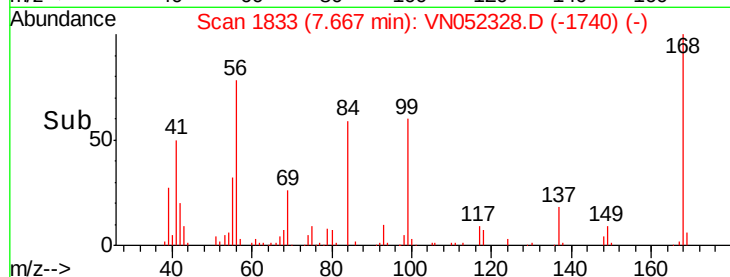
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.325 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052328.D

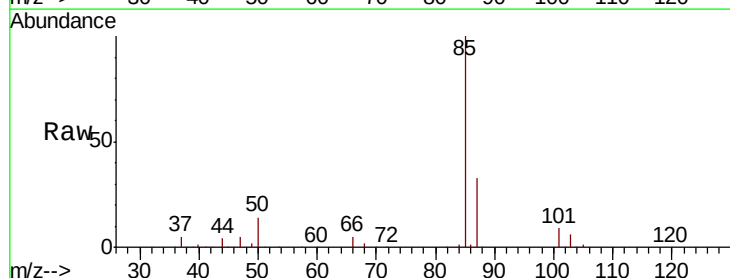
Acq: 14 Nov 2018 22:02

Tgt Ion: 85 Resp: 145766

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN052307.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052307.D (-13) (-)

1.85

120000

100000

80000

60000

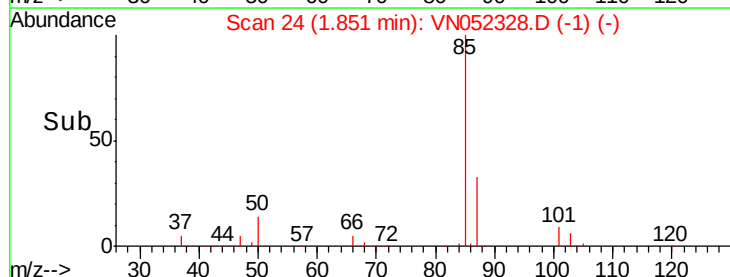
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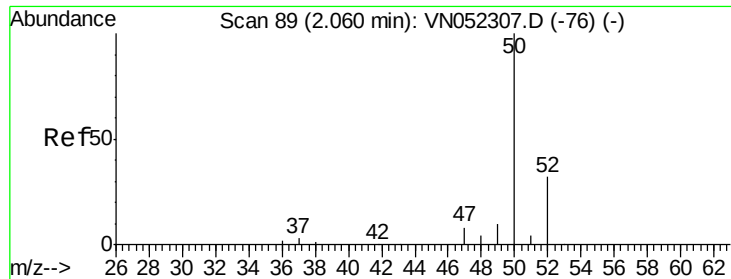
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 50.608 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 199740

Ion Ratio Lower Upper

50 100

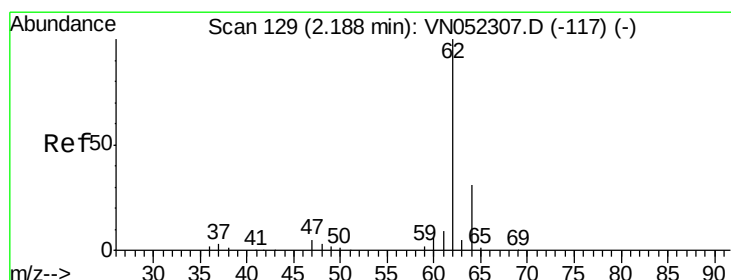
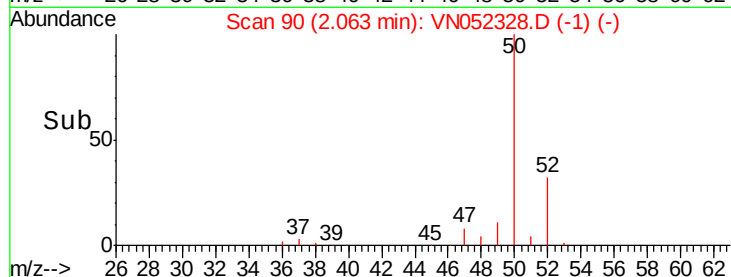
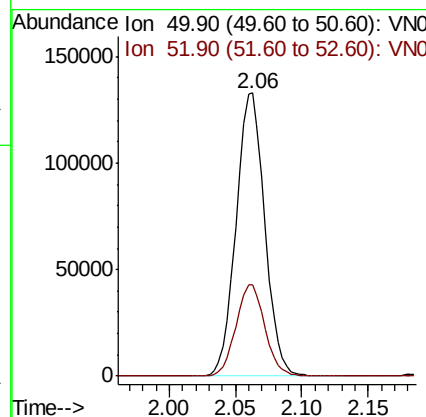
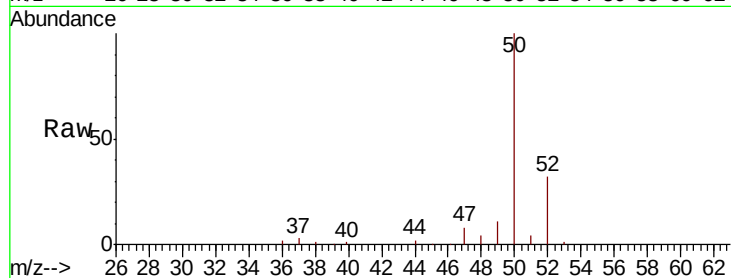
52 32.2 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.750 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052328.D

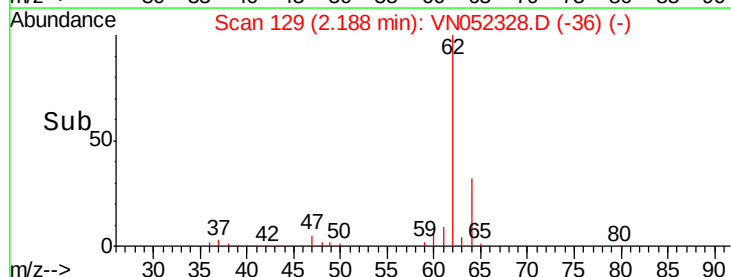
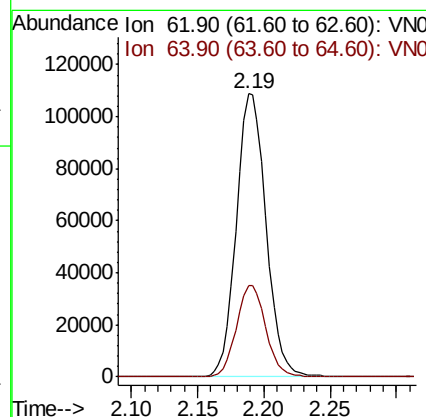
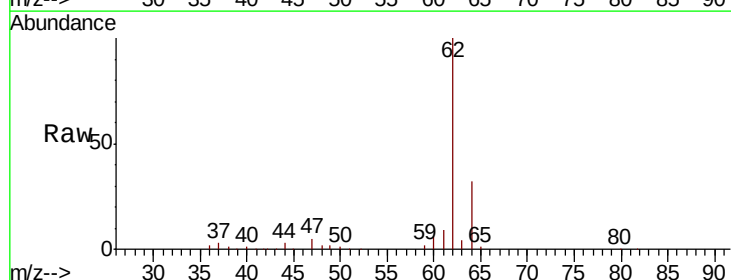
Acq: 14 Nov 2018 22:02

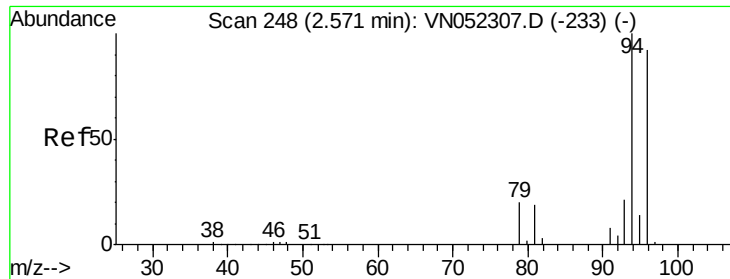
Tgt Ion: 62 Resp: 169729

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 45.806 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Tot Ion: 94 Resp: 97425

Ion Ratio Lower Upper

94 100

96 90.2 73.6 110.4

Instrument :

MSVOA_N

ClientSampleId :

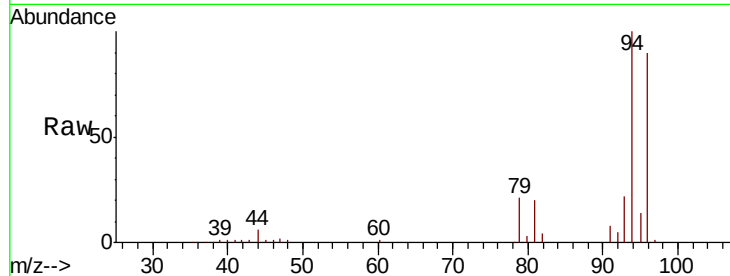
VSTDCCC050EC

Manual Integrations

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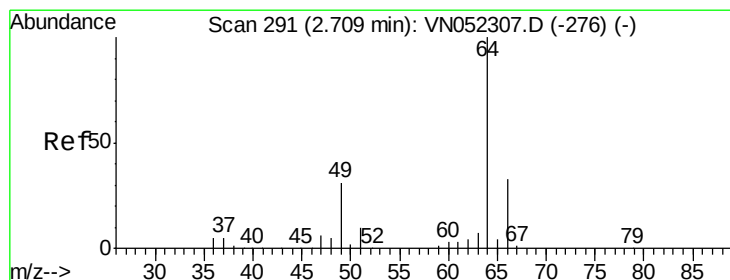
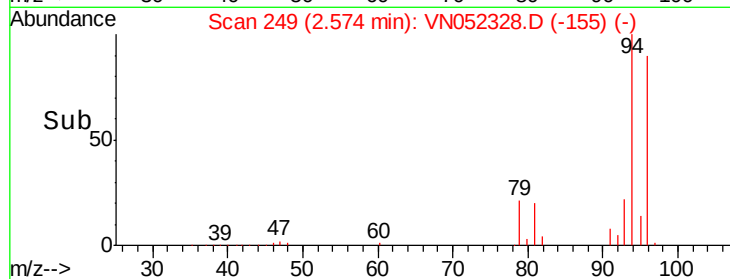
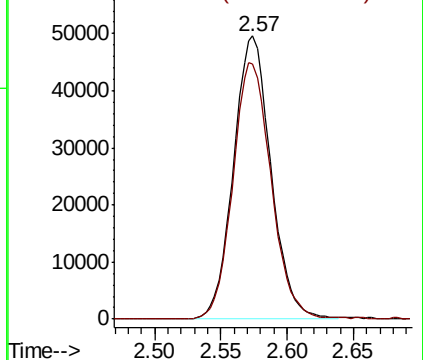
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.280 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052328.D

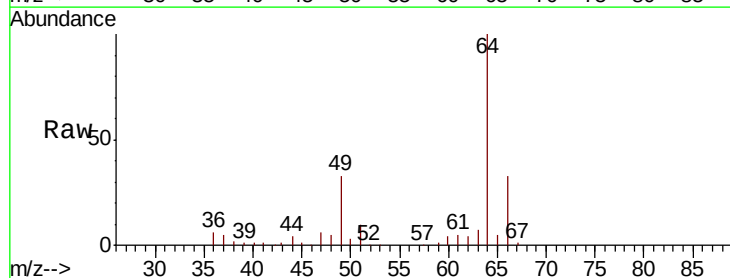
Acq: 14 Nov 2018 22:02

Tgt Ion: 64 Resp: 93130

Ion Ratio Lower Upper

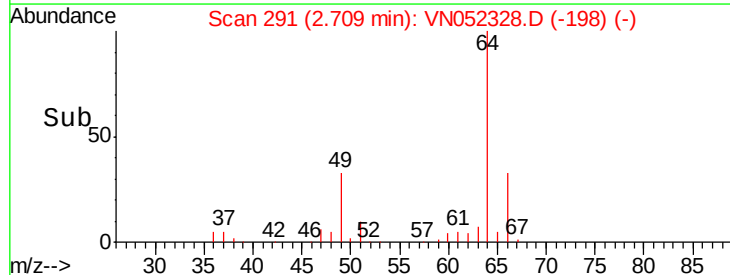
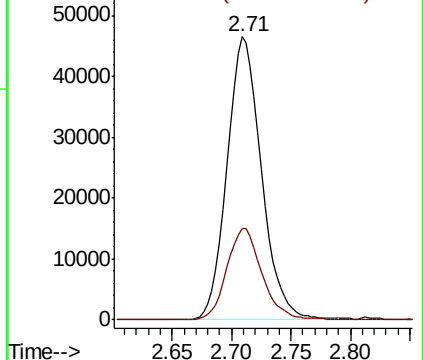
64 100

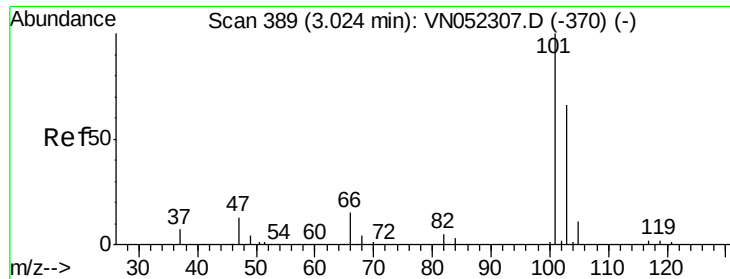
66 32.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

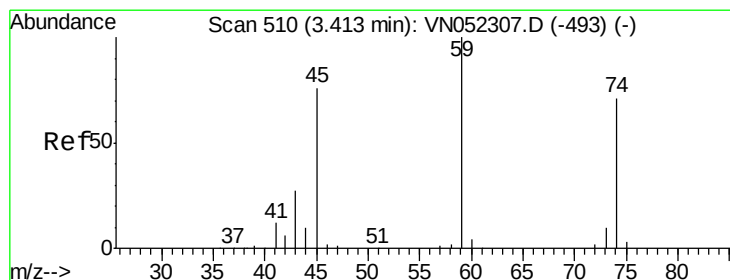
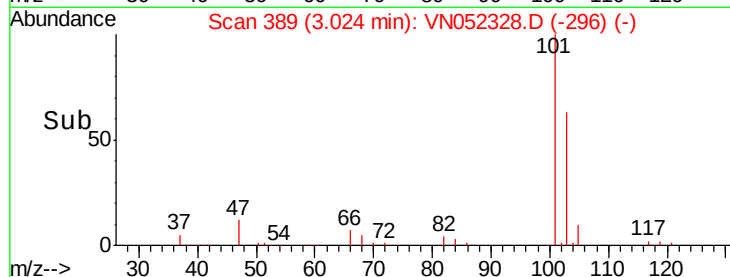
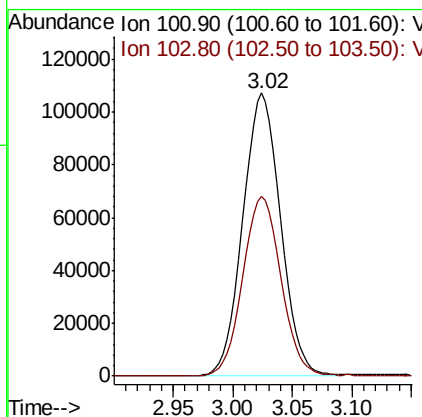
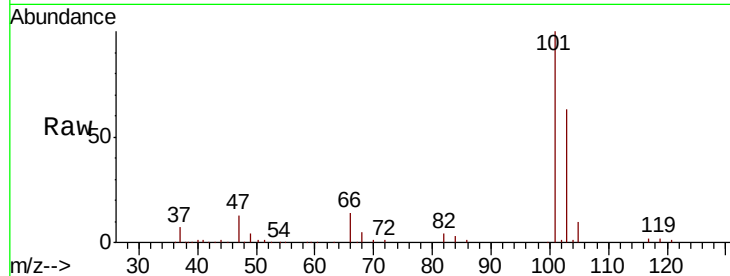
Trichlorofluoromethane
Concen: 50.088 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
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ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		236466		
103	63.4	52.8	79.2		

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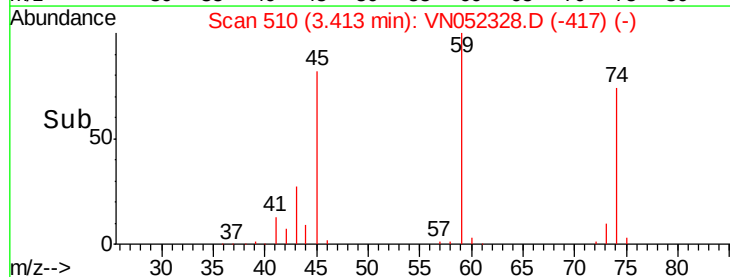
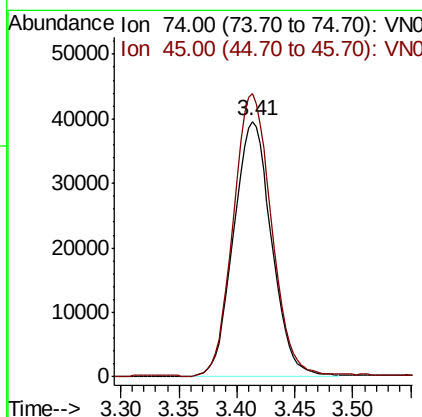
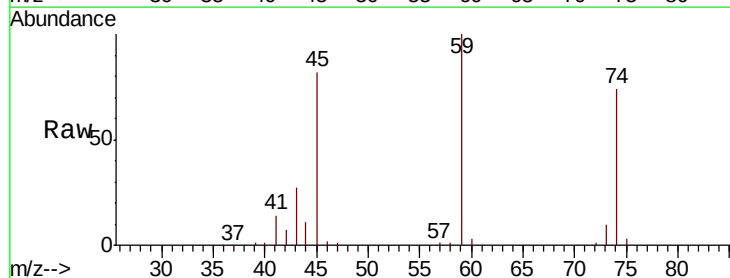
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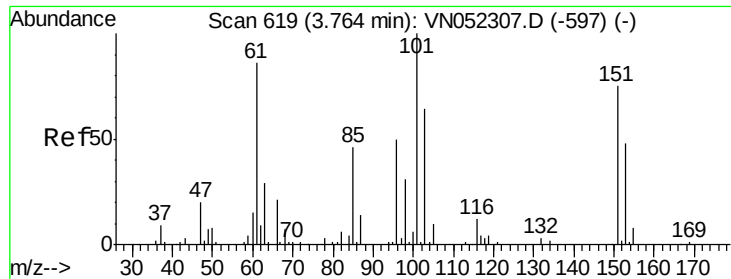


#8

Diethyl Ether
Concen: 50.117 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		90176		
45	111.7	54.3	162.9		





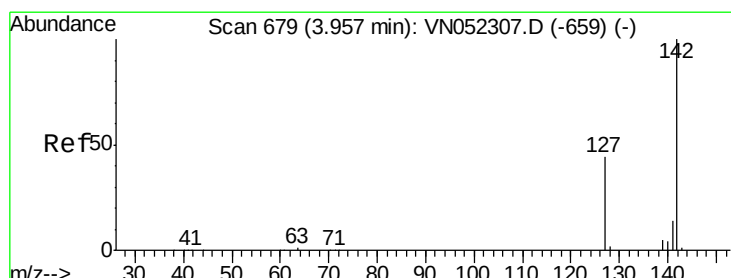
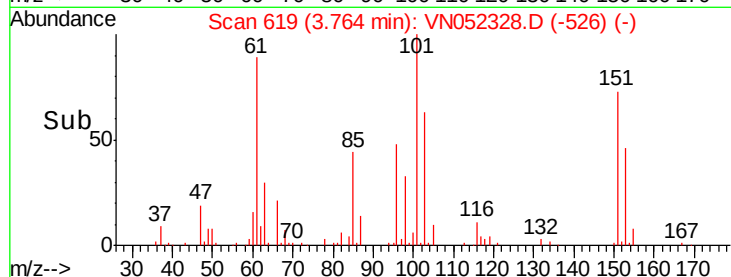
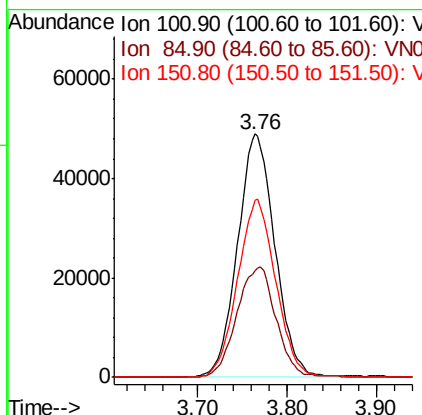
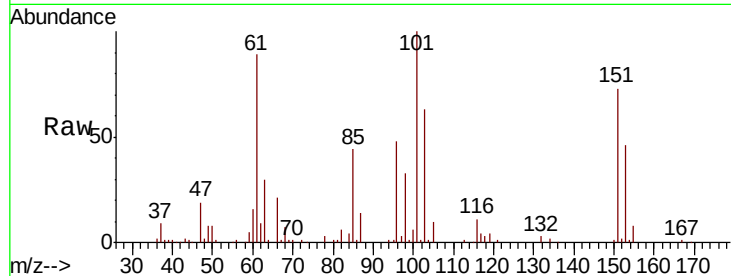
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.856 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	142679		
85	47.6		37.4	56.0
151	74.4		58.6	88.0

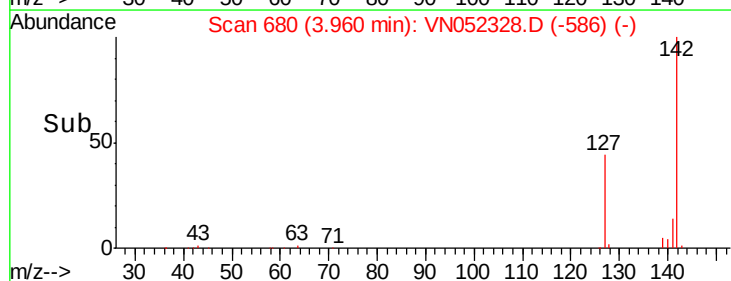
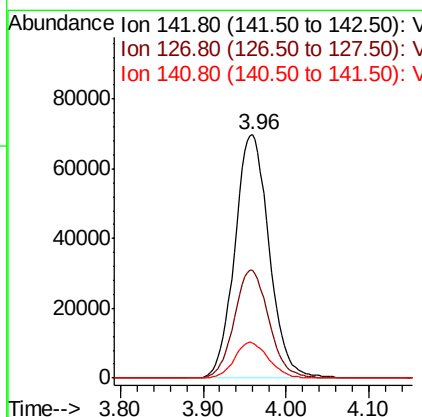
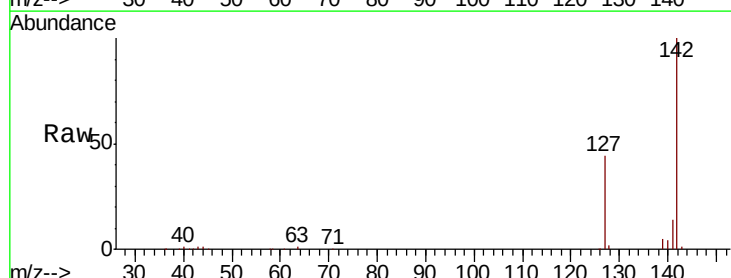
Manual Integrations
 APPROVED

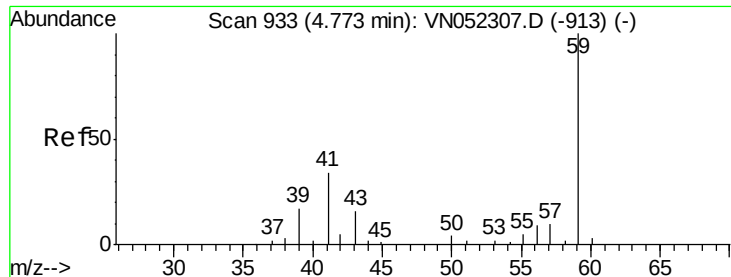
MMDadoda
 11/20/2018 2:53:29 PM



#10
 Methyl Iodide
 Concen: 50.184 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	200889		
127	44.7		36.3	54.5
141	14.7		11.4	17.2





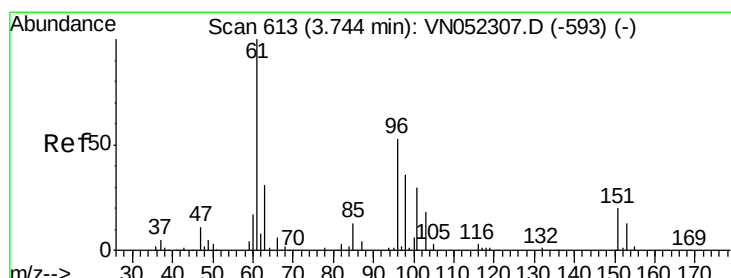
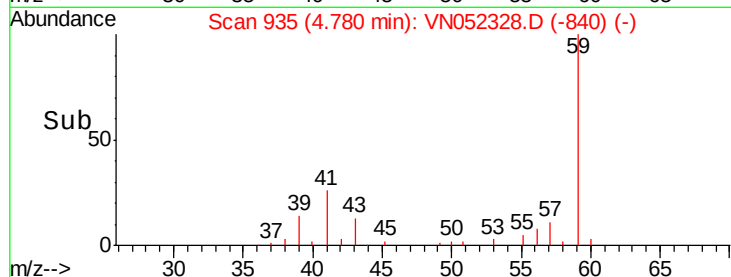
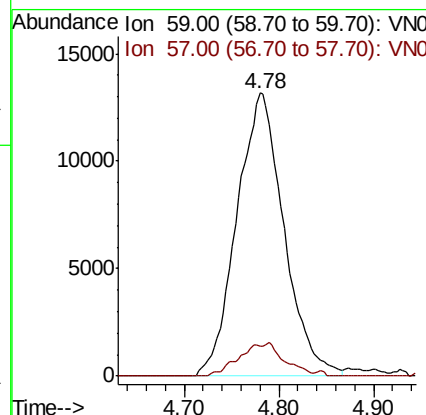
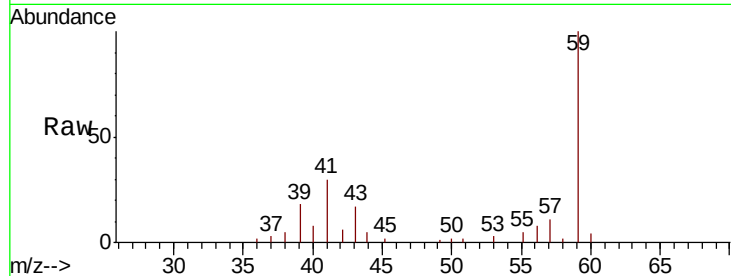
#11
Tert butyl alcohol
Concen: 227.545 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.2	8.5	12.7#

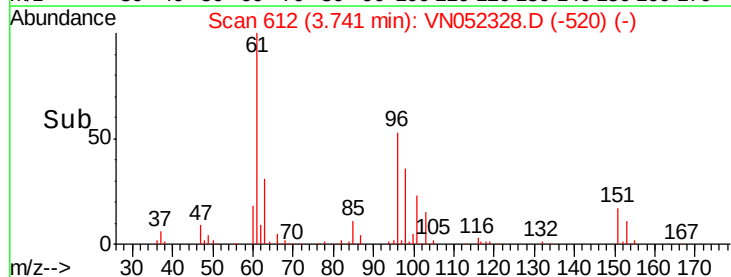
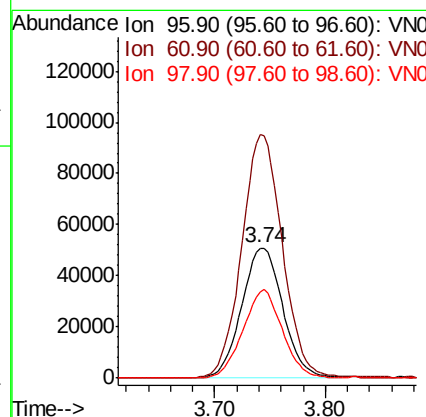
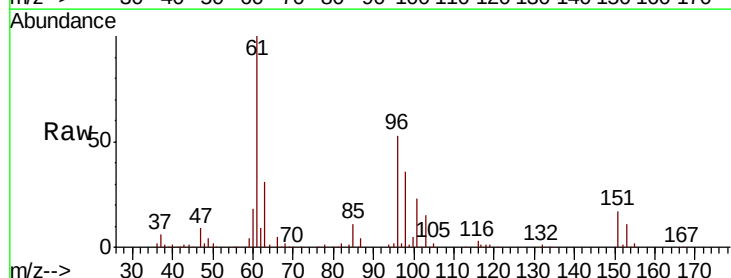
Manual Integrations
APPROVED

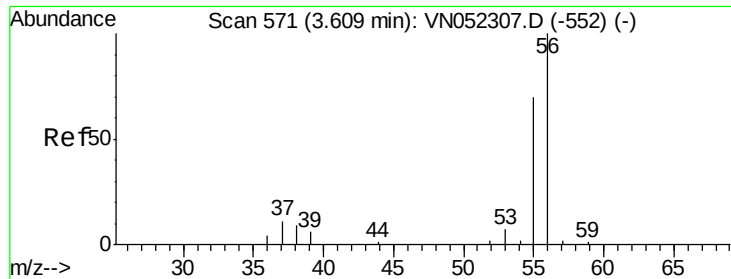
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.780 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.6	149.6	224.4
98	66.4	54.2	81.2





#13

Acrolein

Concen: 234.584 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 70289

Ion Ratio Lower Upper

56 100

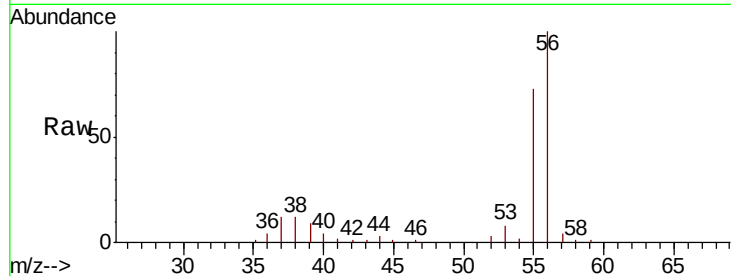
55 73.6 57.6 86.4

Manual Integrations

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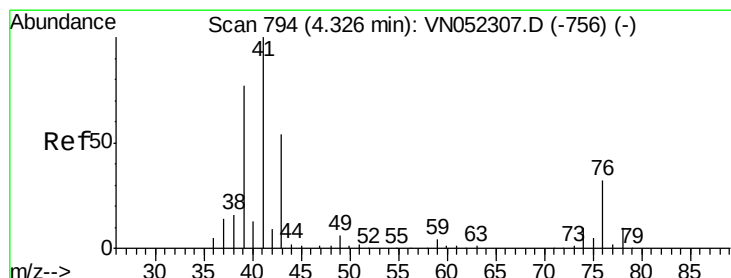
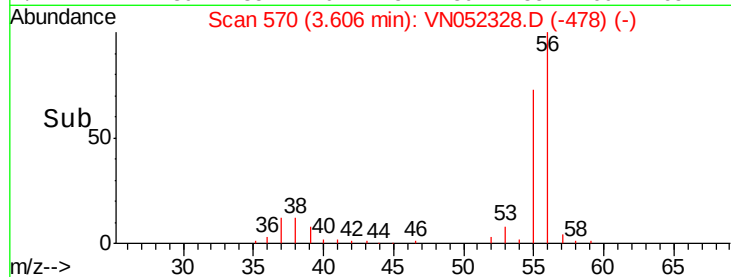
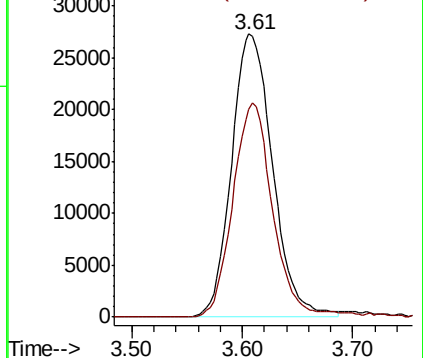
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.433 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

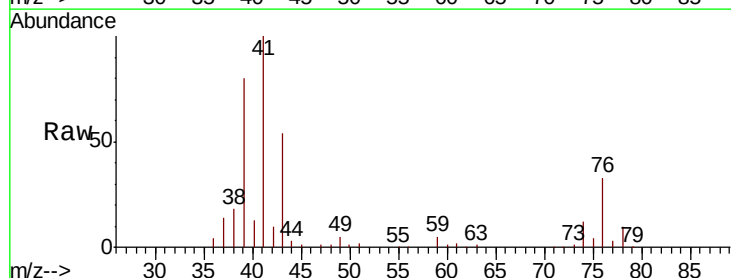
Tgt Ion: 41 Resp: 280042

Ion Ratio Lower Upper

41 100

39 72.7 59.1 88.7

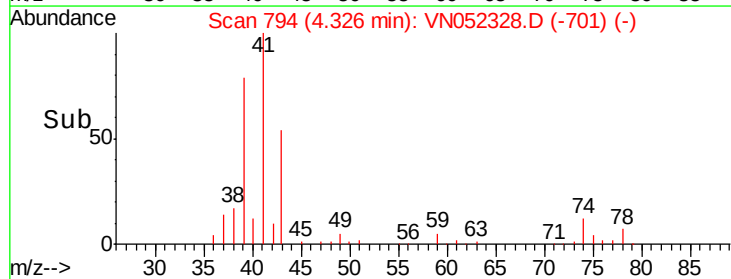
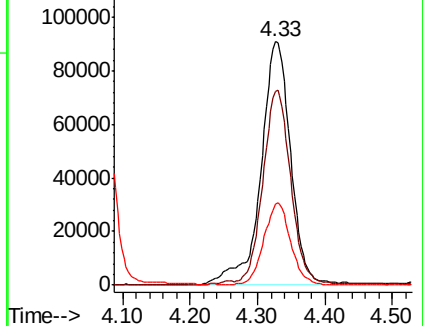
76 29.6 24.1 36.1

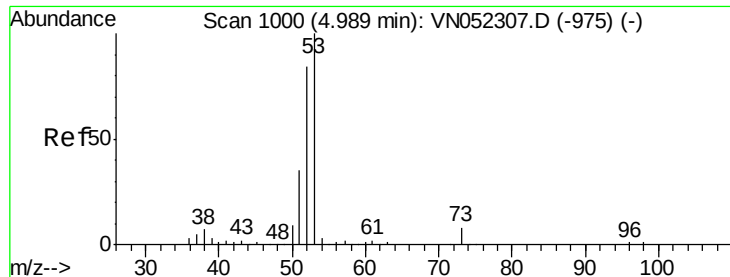


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 250.606 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

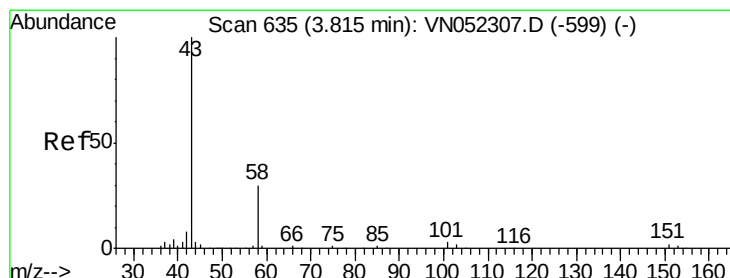
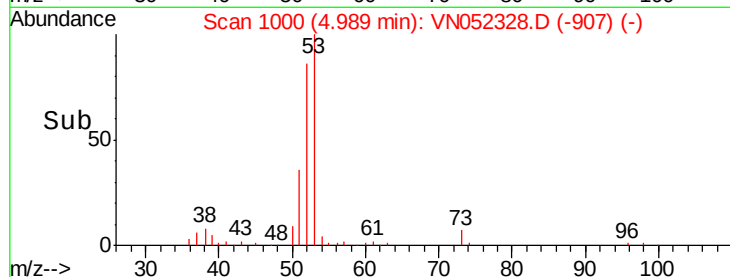
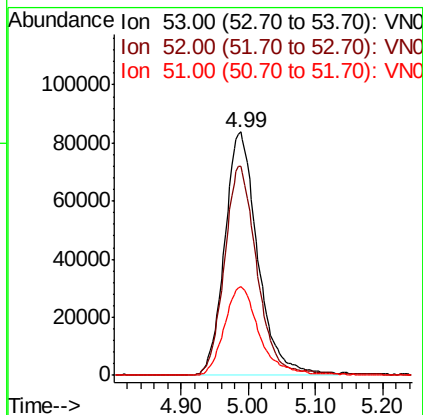
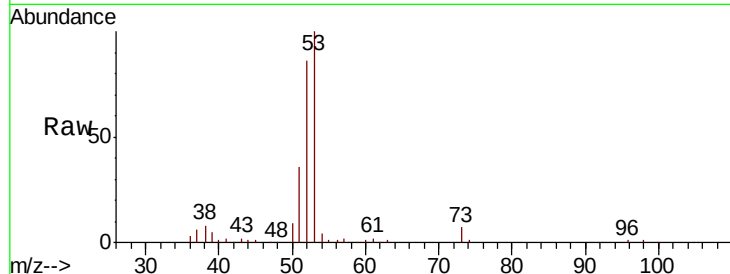
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	286067
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.5	101.3
51	38.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 213.644 ug/l

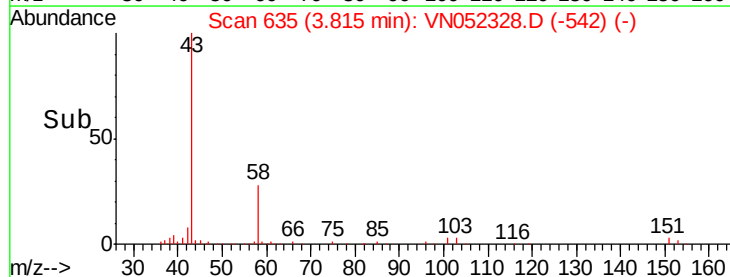
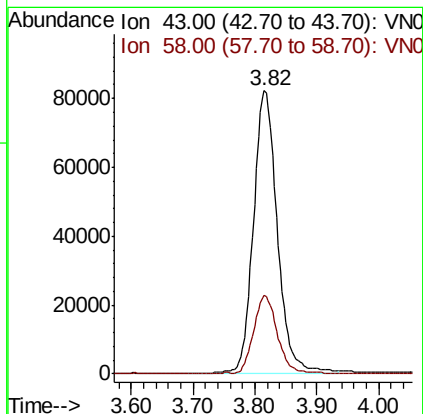
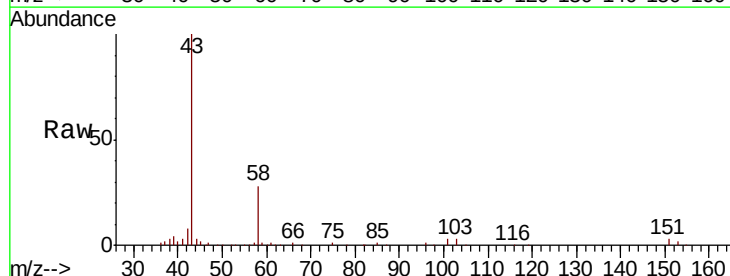
RT: 3.82 min Scan# 635

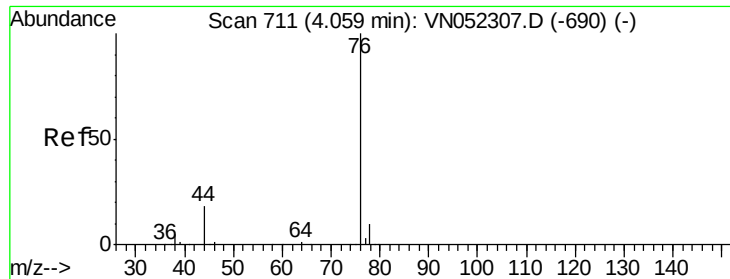
Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Tgt Ion:	43	Resp:	222668
Ion	Ratio	Lower	Upper
43	100		
58	27.5	24.2	36.4





#17

Carbon Disulfide

Concen: 48.778 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 385897

Ion Ratio Lower Upper

76 100

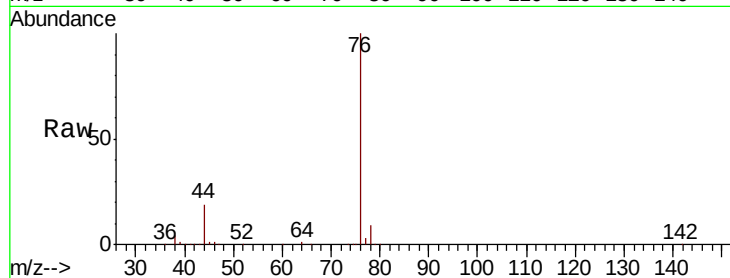
78 9.0 7.7 11.5

Manual Integrations

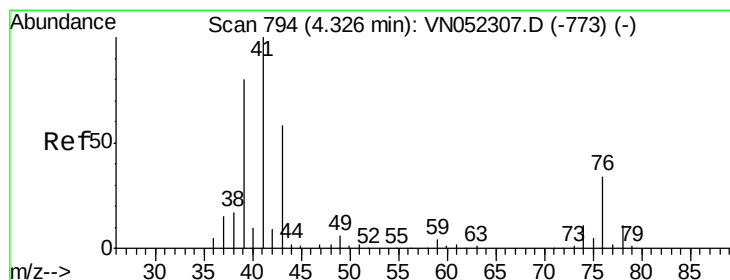
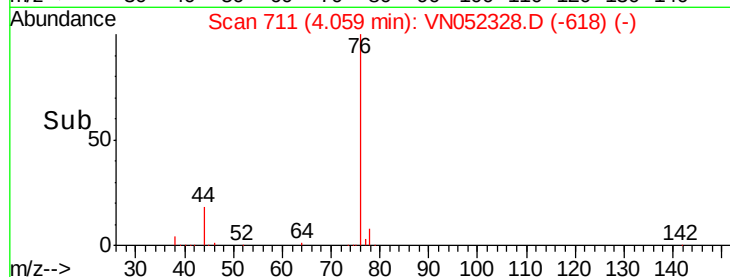
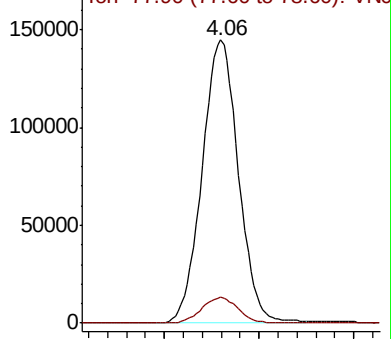
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Abundance Ion 75.90 (75.60 to 76.60): VN052328.D (-618) (-)



#18

Methyl Acetate

Concen: 49.434 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052328.D

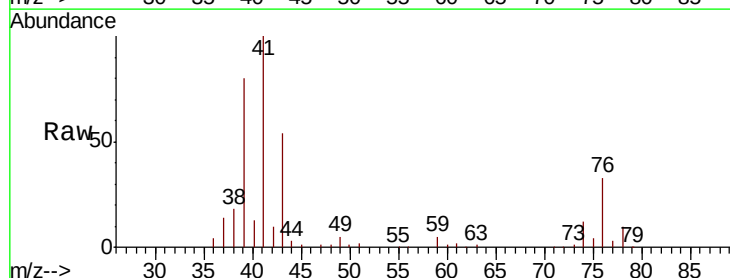
Acq: 14 Nov 2018 22:02

Tgt Ion: 43 Resp: 144360

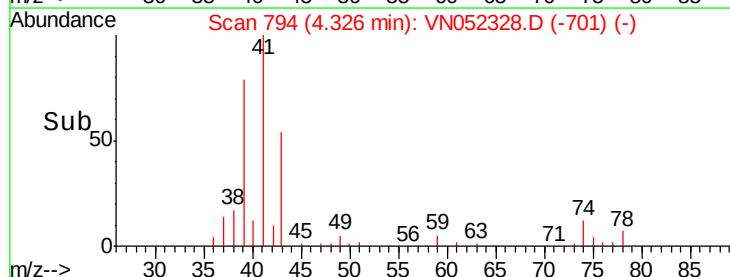
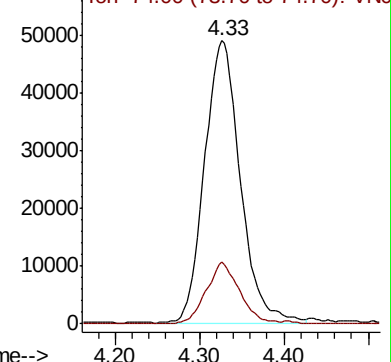
Ion Ratio Lower Upper

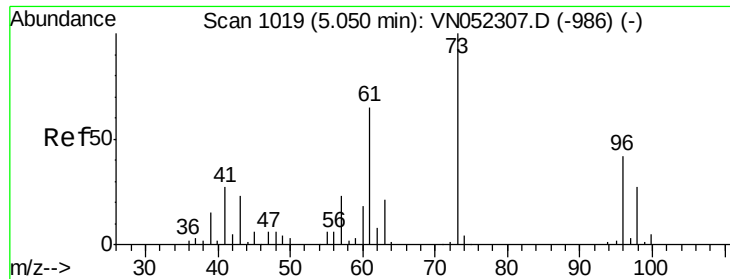
43 100

74 20.3 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN052328.D (-701) (-)





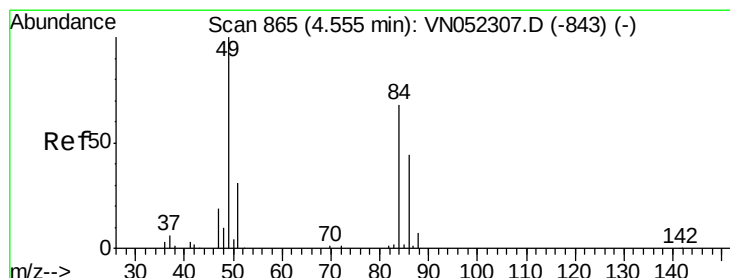
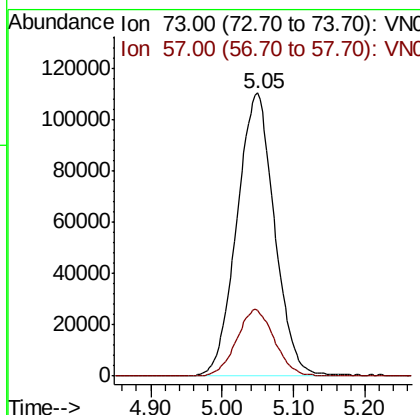
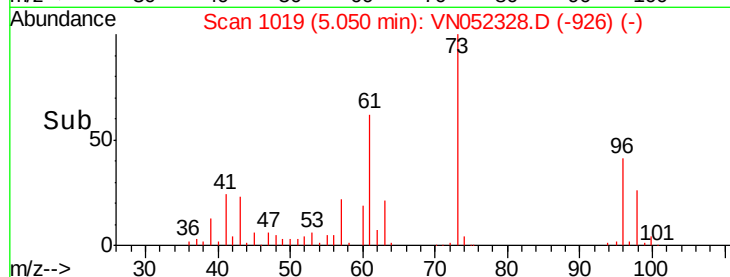
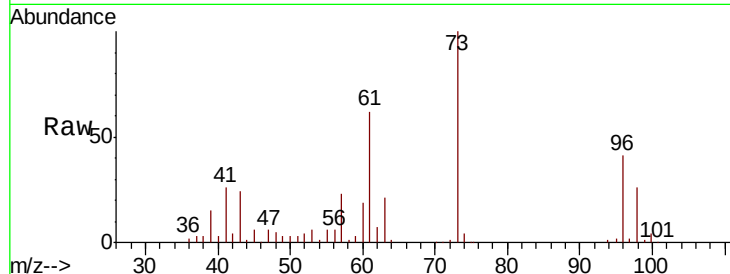
#19
Methyl tert-butyl Ether
Concen: 51.104 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 405179
Ion Ratio Lower Upper
73 100
57 23.1 18.7 28.1

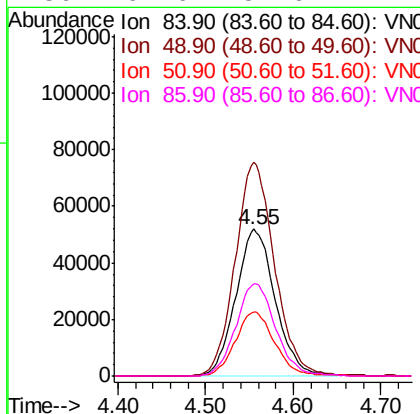
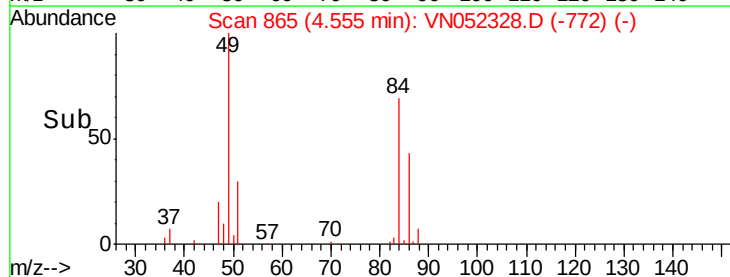
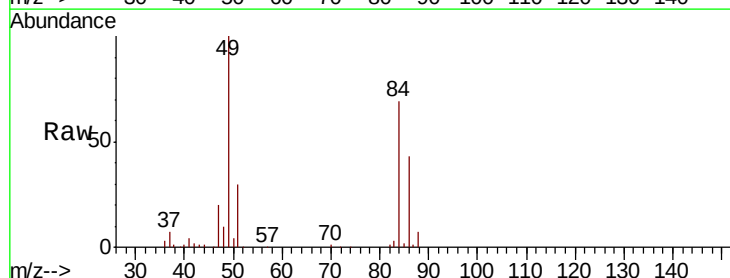
Manual Integrations
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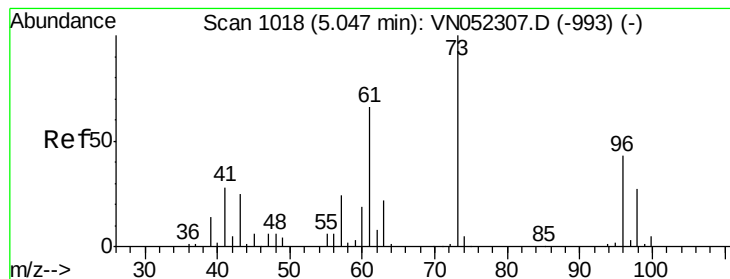
MMDadoda
11/20/2018 2:53:29 PM



#20
Methylene Chloride
Concen: 51.197 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion: 84 Resp: 162280
Ion Ratio Lower Upper
84 100
49 145.3 118.2 177.2
51 43.7 36.1 54.1
86 62.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 48.794 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 144940

Ion Ratio Lower Upper

96 100

61 152.1 123.6 185.4

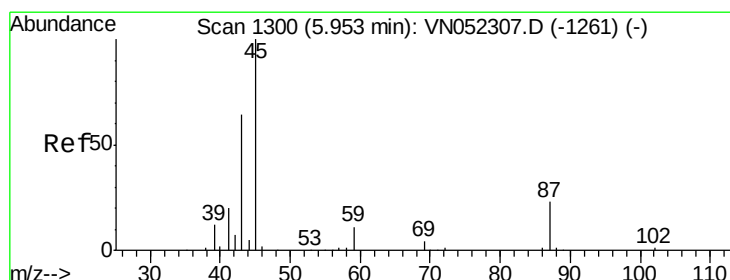
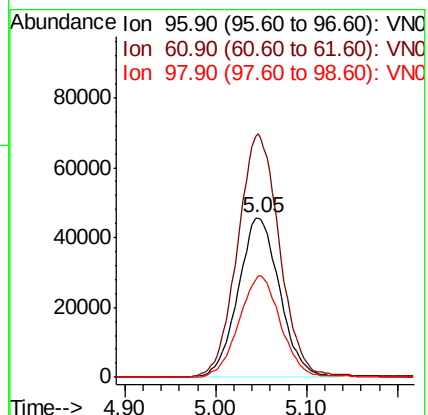
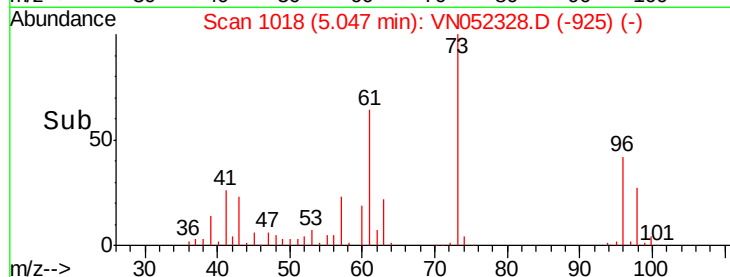
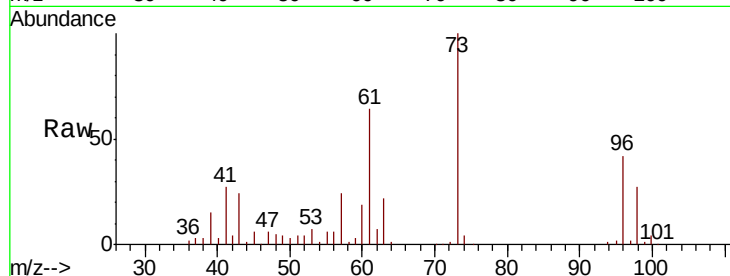
98 63.9 50.7 76.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.909 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Tgt Ion: 45 Resp: 588446

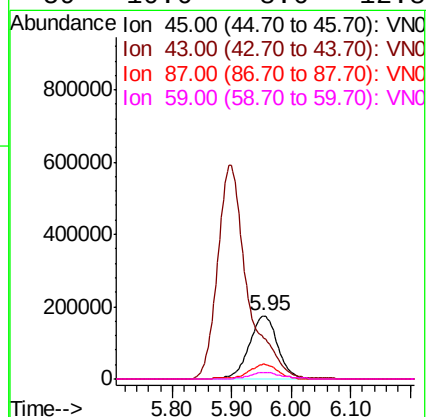
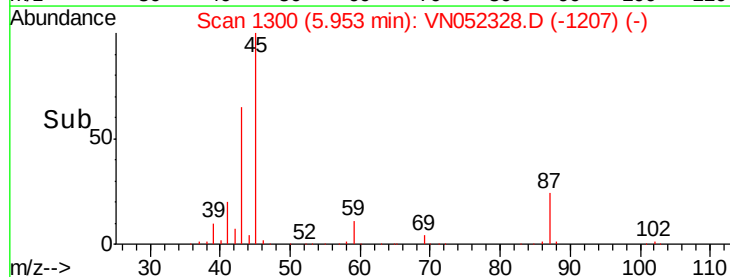
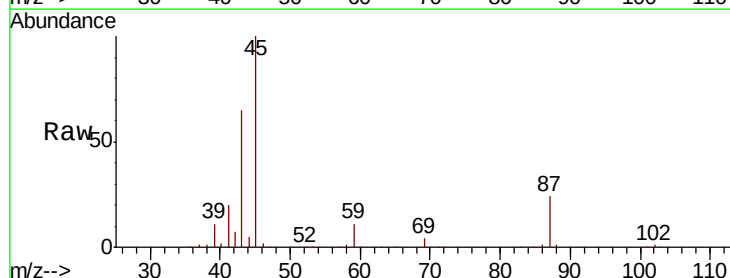
Ion Ratio Lower Upper

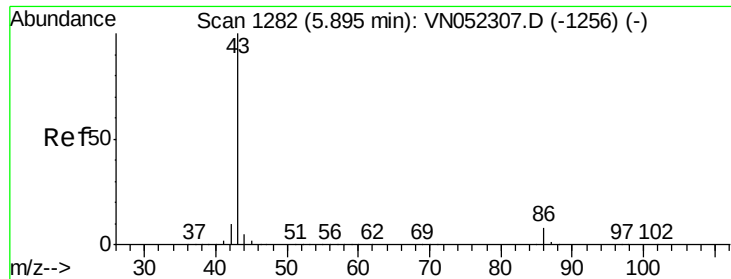
45 100

43 64.5 51.4 77.2

87 23.5 18.8 28.2

59 10.6 8.6 12.8





#23

Vinyl Acetate

Concen: 261.583 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2051092

Ion Ratio Lower Upper

43 100

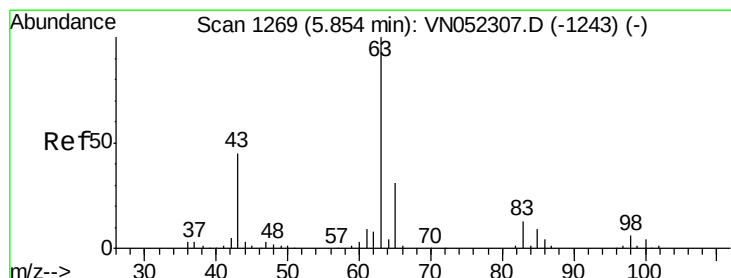
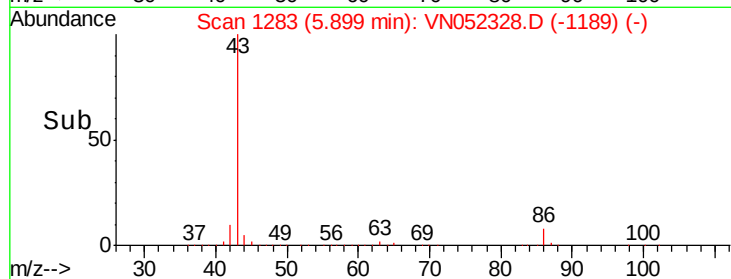
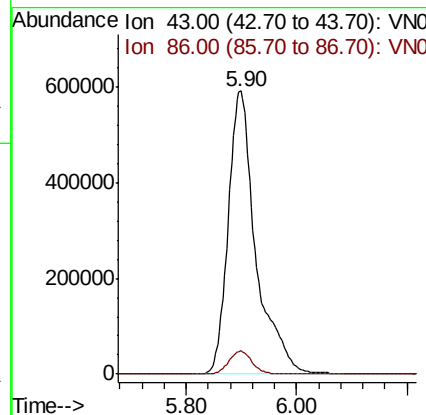
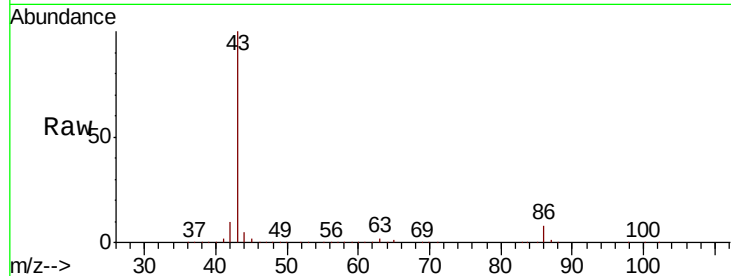
86 8.2 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.528 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

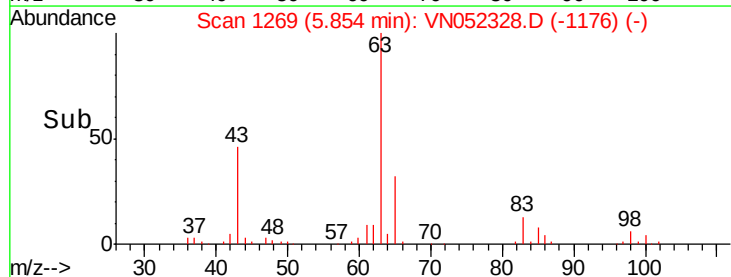
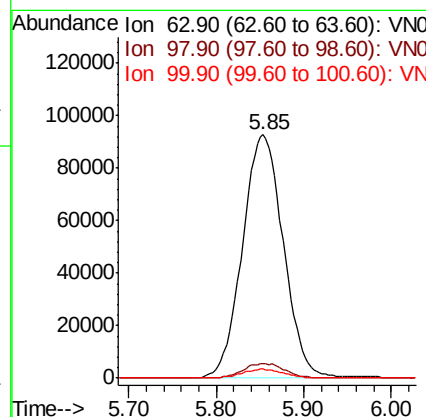
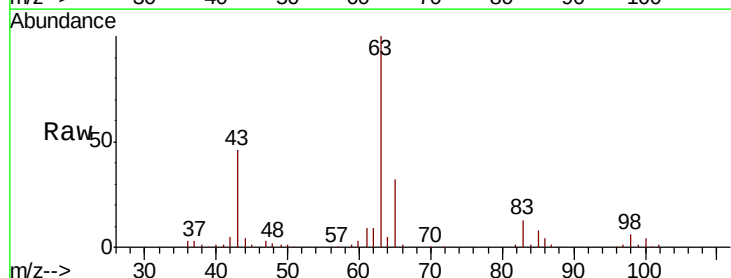
Tgt Ion: 63 Resp: 300778

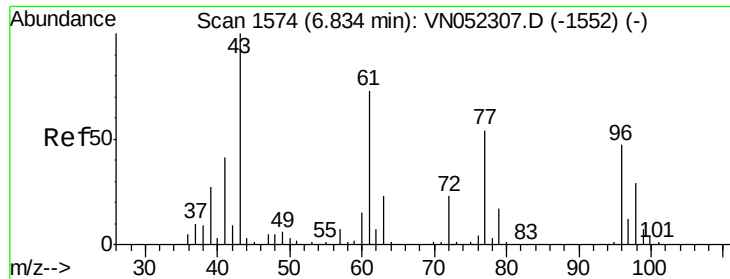
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.7 1.9 5.7





#25

2-Butanone

Concen: 241.311 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 354009

Ion Ratio Lower Upper

43 100

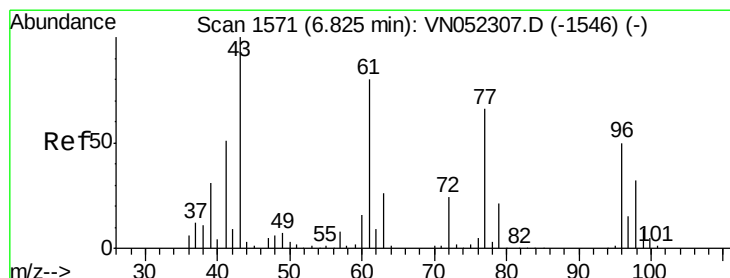
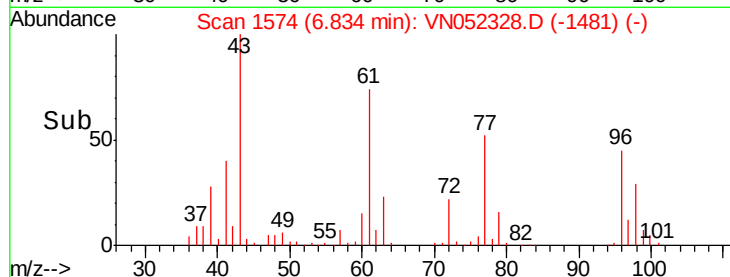
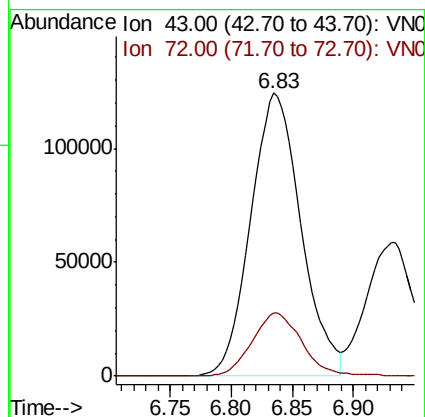
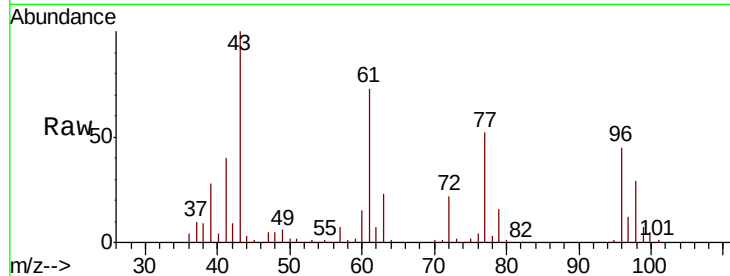
72 22.3 18.6 27.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.364 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN052328.D

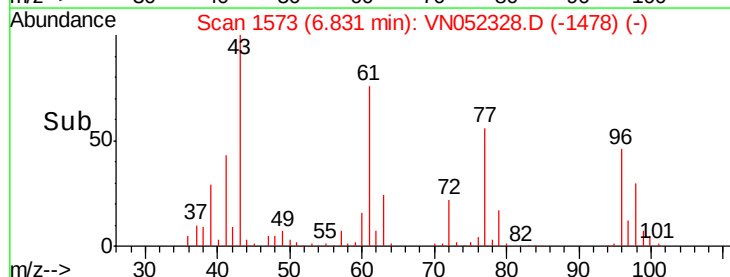
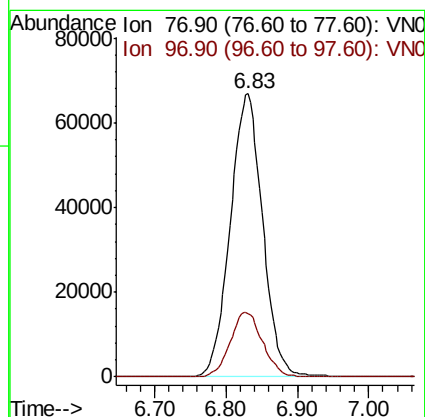
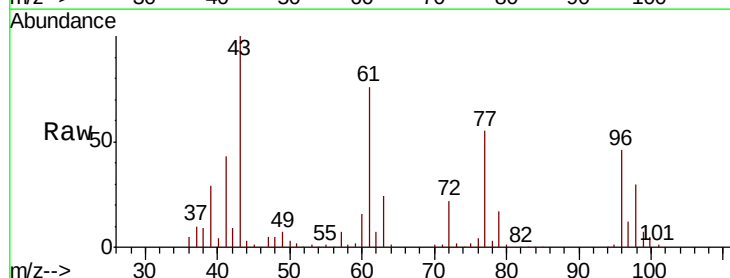
Acq: 14 Nov 2018 22:02

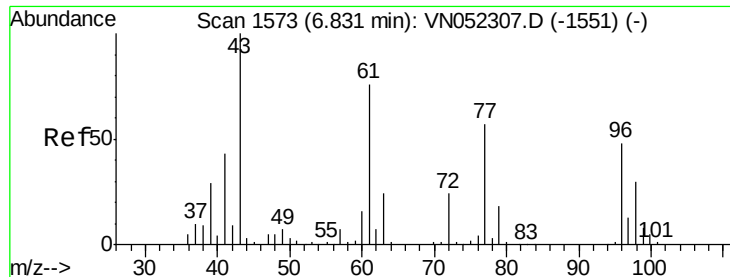
Tgt Ion: 77 Resp: 211306

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 47.570 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

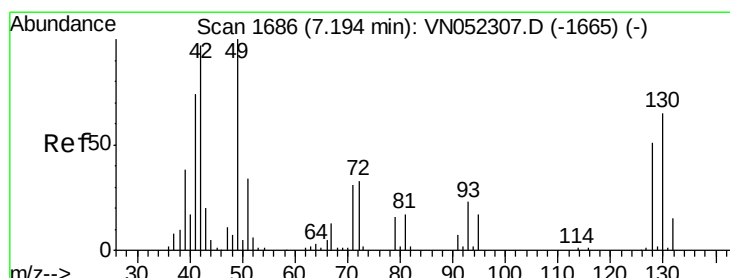
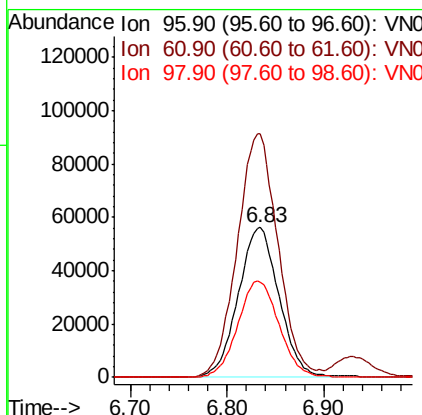
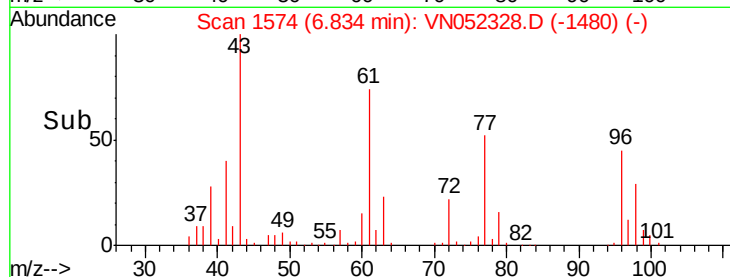
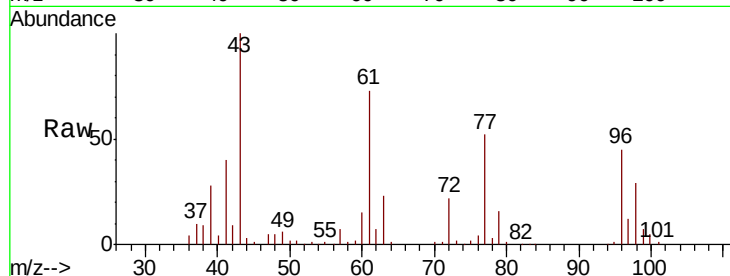
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	164496
Ion Ratio	Lower	Upper	
96	100		
61	162.8	0.0	316.8
98	65.3	0.0	126.6

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#28

Bromochloromethane

Concen: 48.682 ug/l

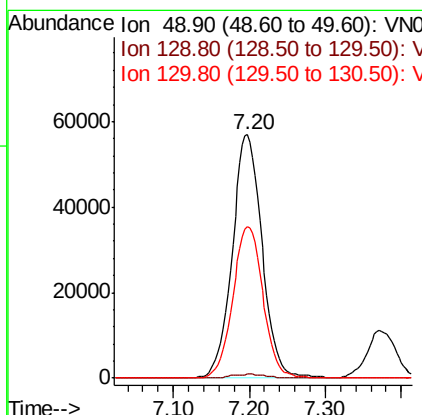
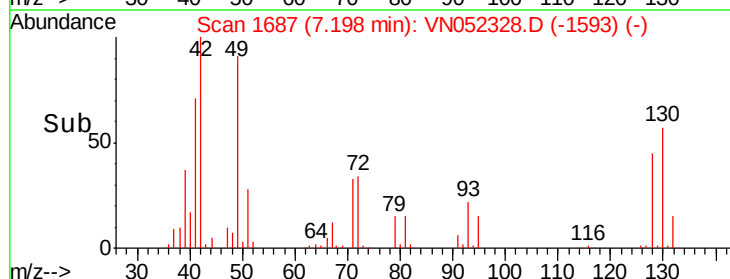
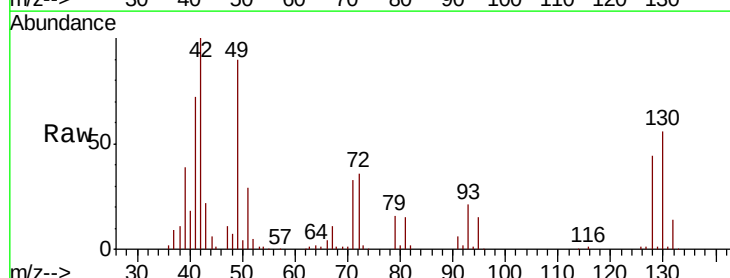
RT: 7.20 min Scan# 1687

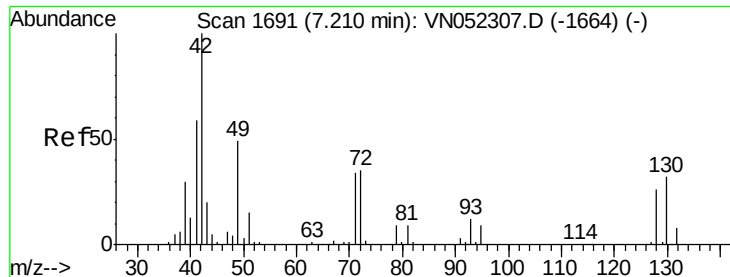
Delta R.T. 0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Tgt Ion:	49	Resp:	155144
Ion Ratio	Lower	Upper	
49	100		
129	0.6	0.0	3.0
130	62.8	50.4	75.6





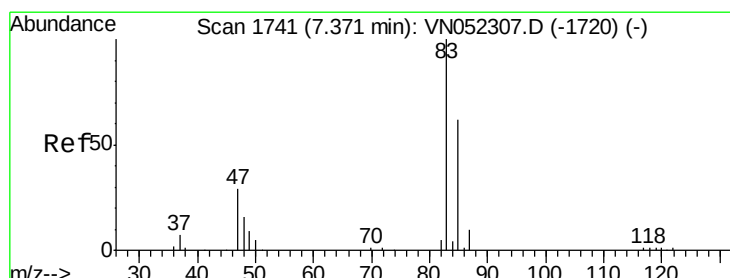
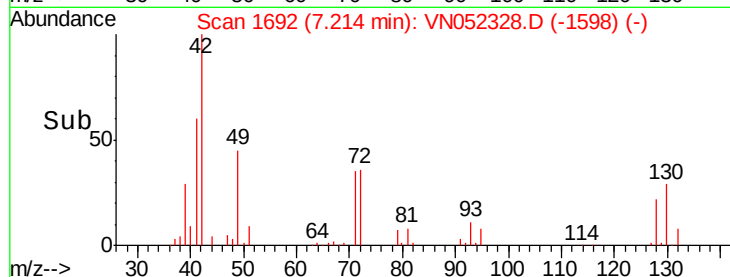
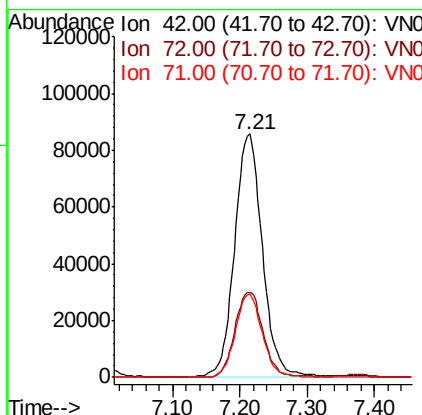
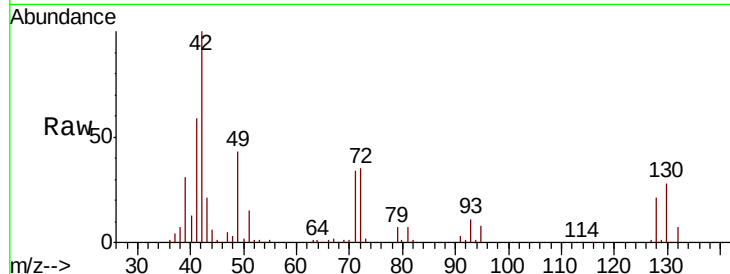
#29
Tetrahydrofuran
Concen: 256.859 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	28.6	42.8
71	33.1	26.7	40.1

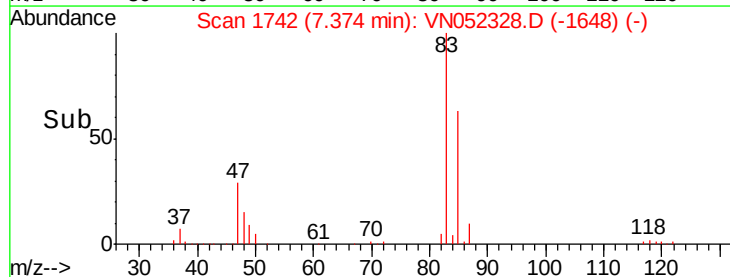
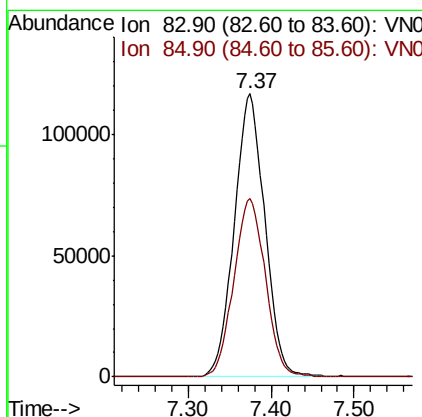
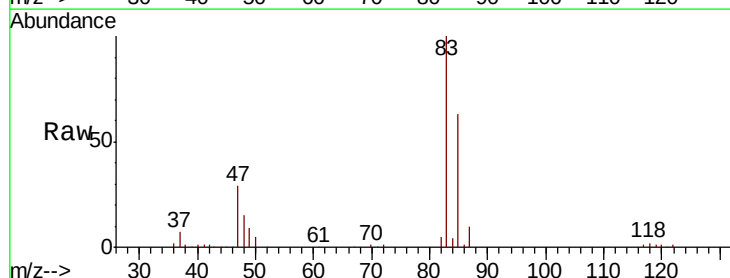
Manual Integrations
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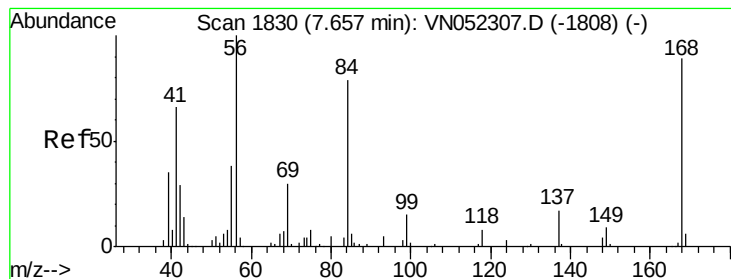
MMDadoda
11/20/2018 2:53:29 PM



#30
Chloroform
Concen: 50.769 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.4	74.2





#31

Cyclohexane

Concen: 49.340 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 284012

Ion Ratio Lower Upper

56 100

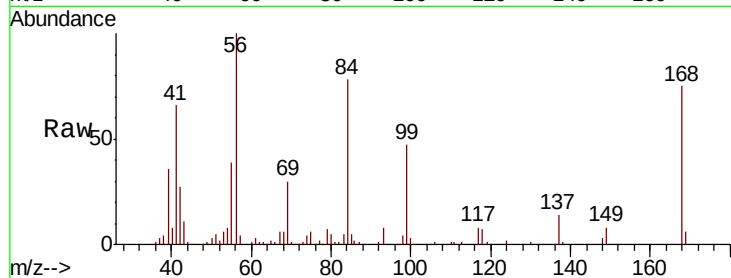
69 29.8 23.8 35.8

84 76.8 63.0 94.6

Manual Integrations
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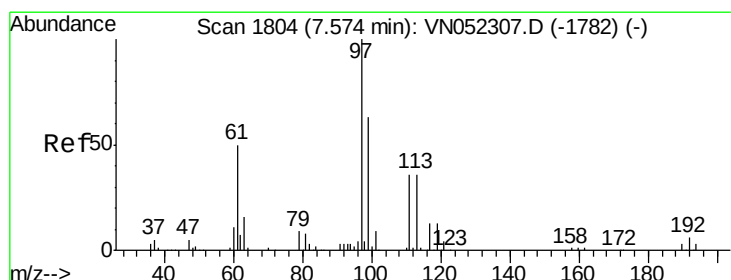
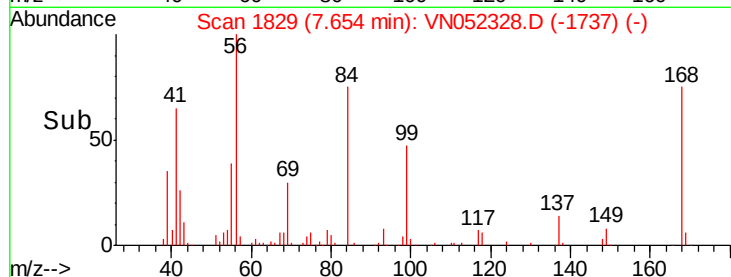
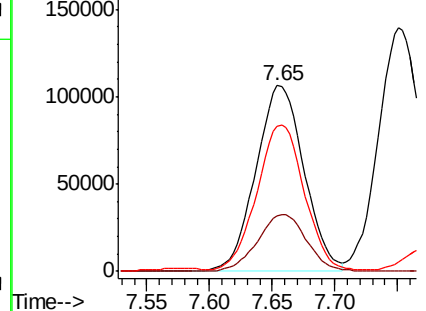
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Abundance Ion 56.00 (55.70 to 56.70): VN052328.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN052328.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN052328.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 48.898 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

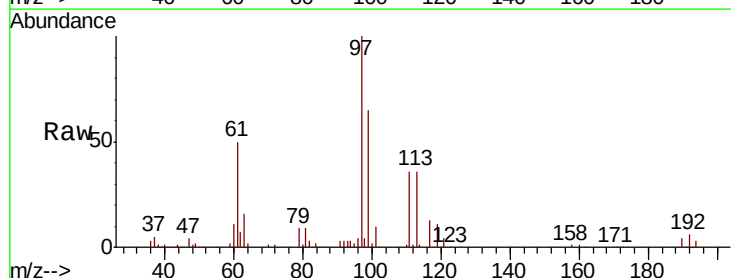
Tgt Ion: 97 Resp: 246048

Ion Ratio Lower Upper

97 100

99 63.6 50.2 75.2

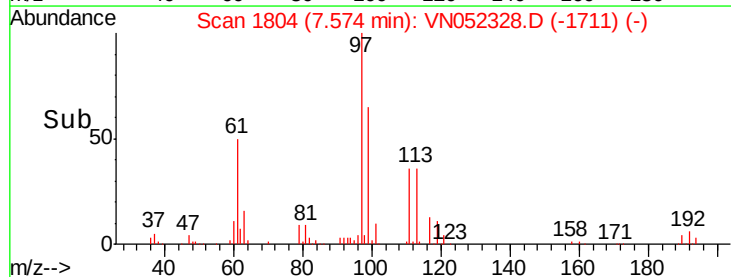
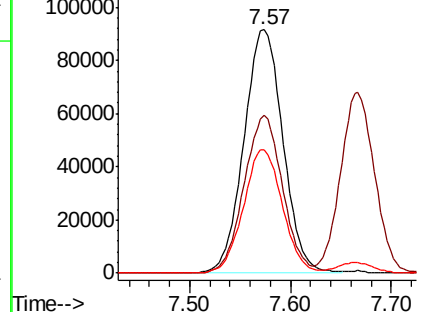
61 50.6 40.2 60.4

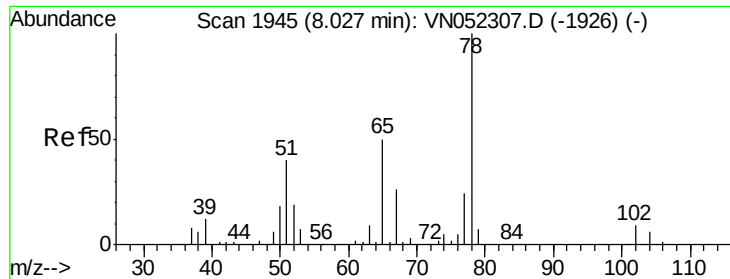


Abundance Ion 96.90 (96.60 to 97.60): VN052328.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052328.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052328.D (-1711) (-)





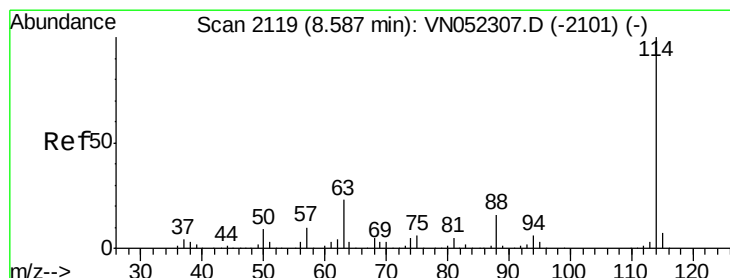
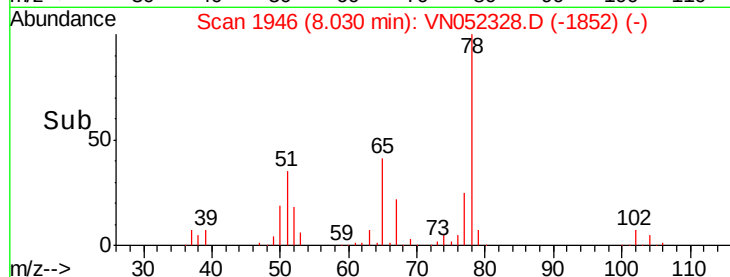
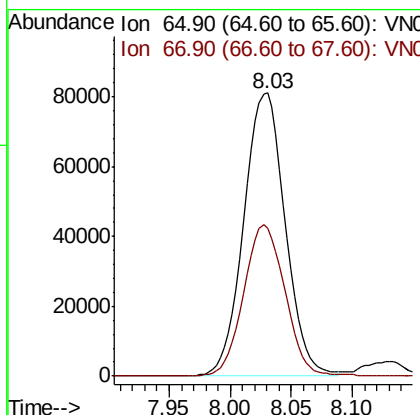
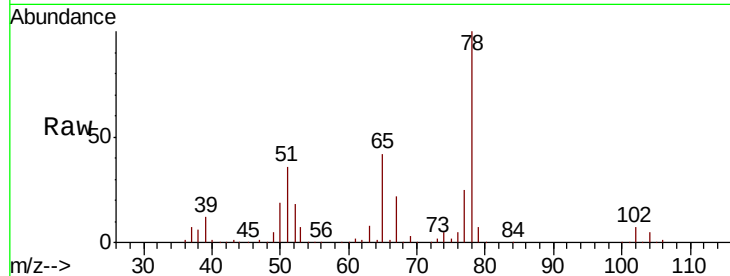
#33
 1,2-Dichloroethane-d4
 Concen: 48.898 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190720		
67	53.4	0.0	105.2	

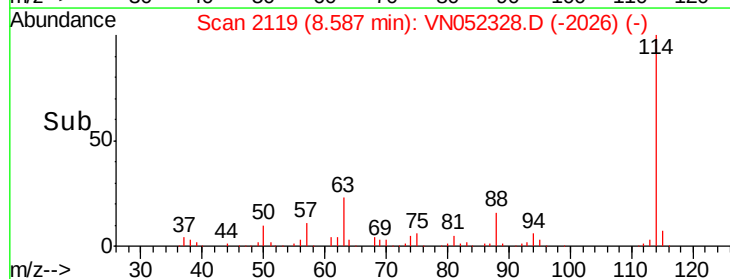
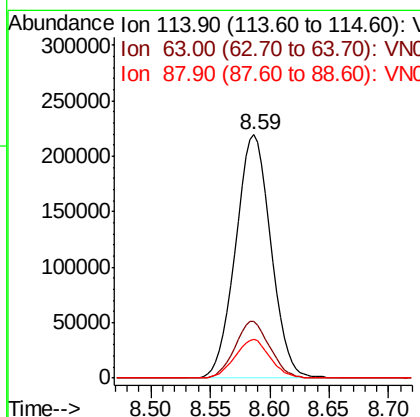
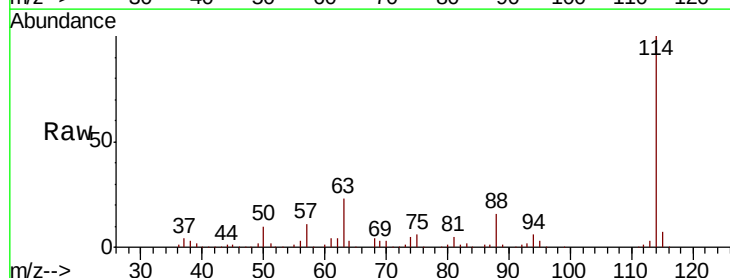
Manual Integrations
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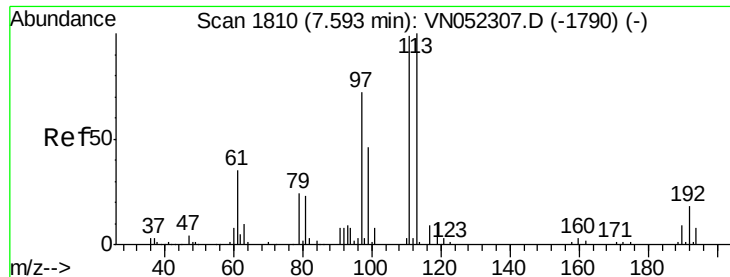
MMDadoda
 11/20/2018 2:53:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	451027		
63	23.5	0.0	45.4	
88	15.8	0.0	31.2	





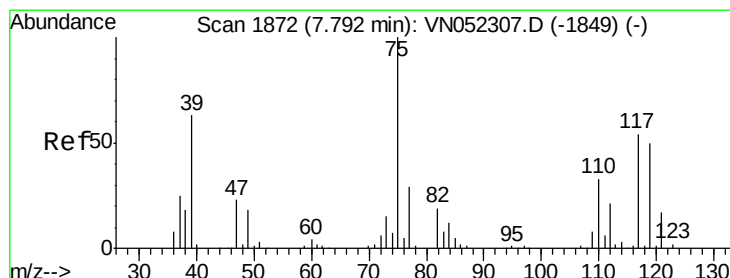
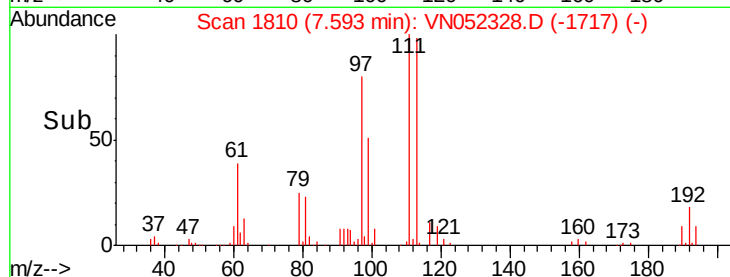
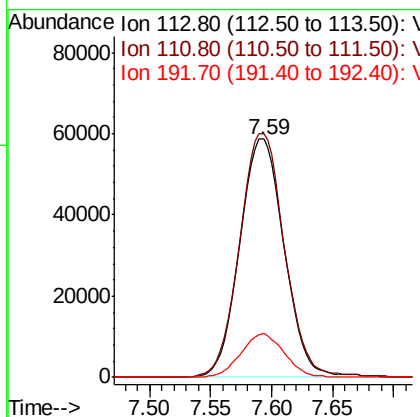
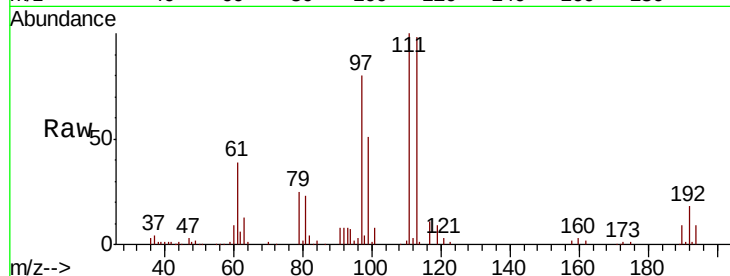
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.0	121.6
192	17.8	13.8	20.6

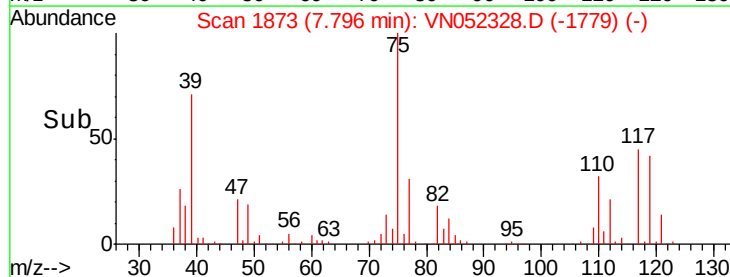
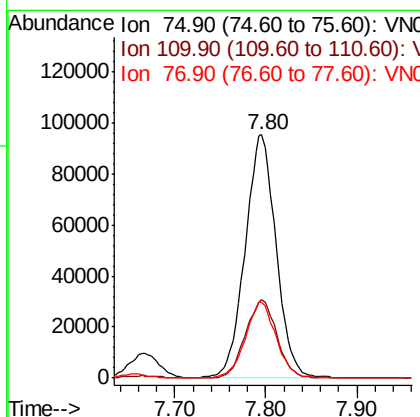
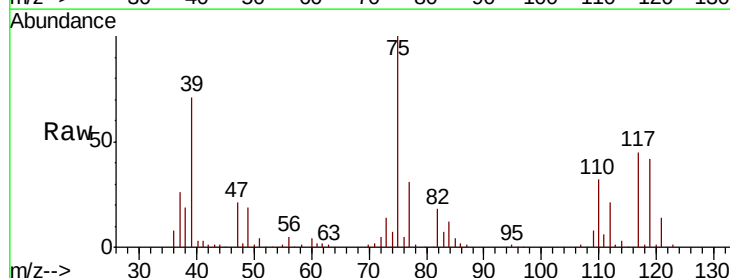
Manual Integrations
APPROVED

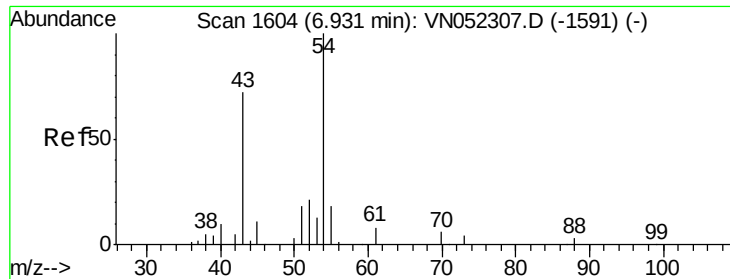
MMDadoda
11/20/2018 2:53:29 PM



#36
1,1-Dichloropropene
Concen: 49.438 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.5	49.5
77	31.5	24.2	36.2





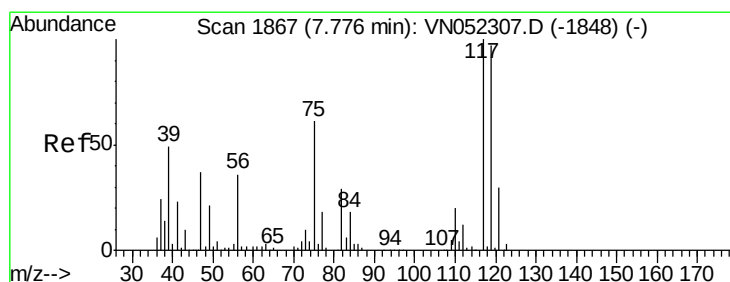
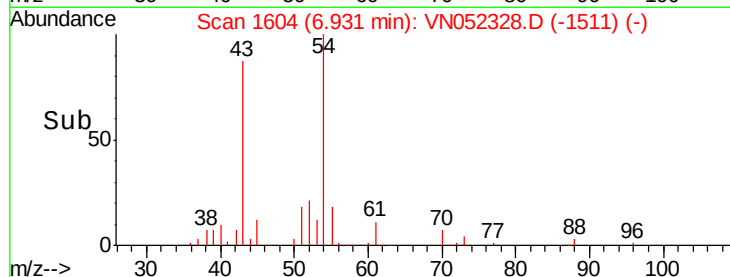
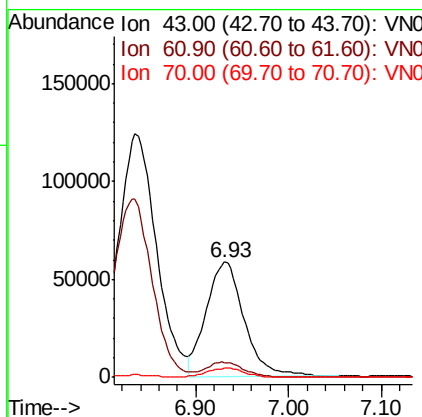
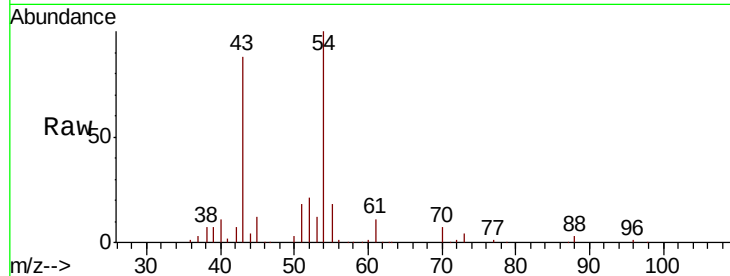
#37
Ethyl Acetate
Concen: 50.288 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.3	15.5
70	8.3	5.6	8.4

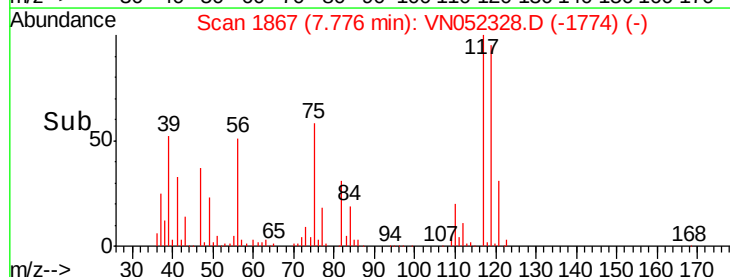
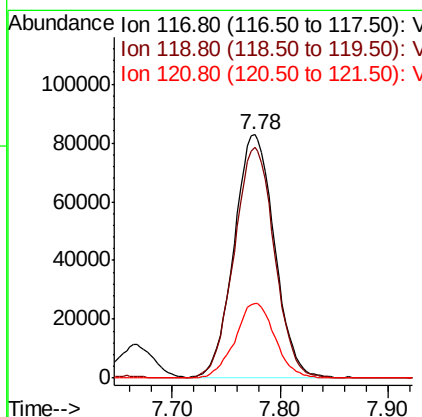
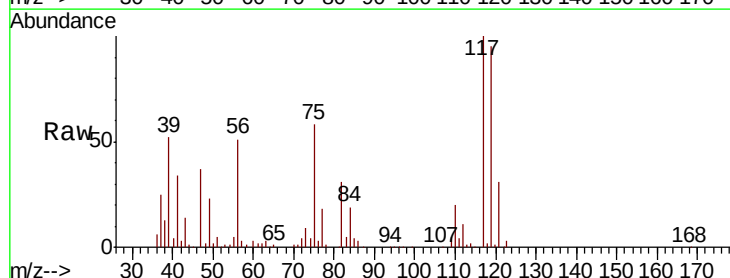
Manual Integrations
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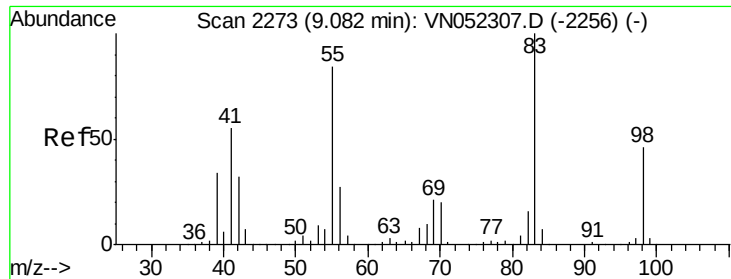
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11/20/2018 2:53:29 PM



#38
Carbon Tetrachloride
Concen: 51.736 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.4	116.0
121	30.9	24.0	36.0





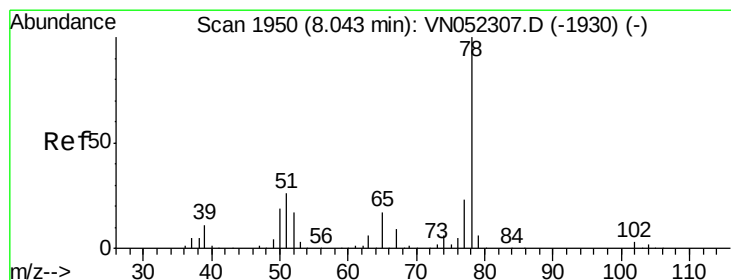
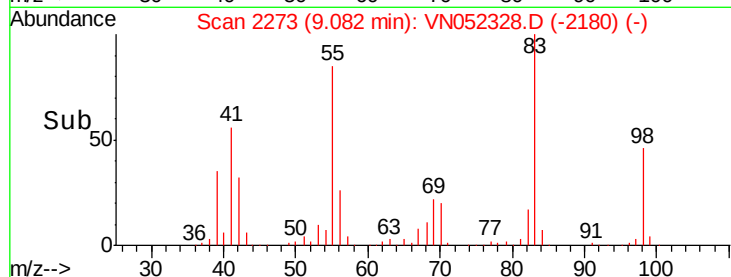
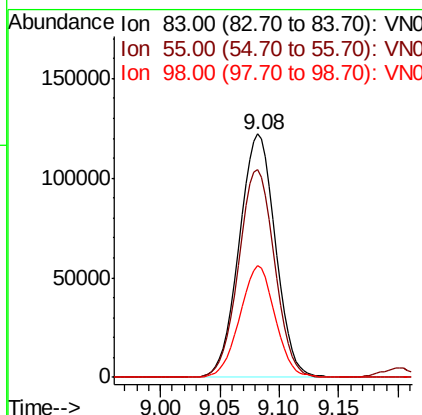
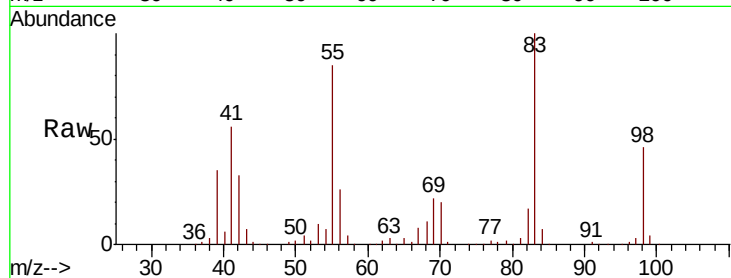
#39
Methylvlcyclohexane
Concen: 50.019 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	258132
Ion Ratio	Lower	Upper	
83	100		
55	85.1	66.8	100.2
98	46.0	36.4	54.6

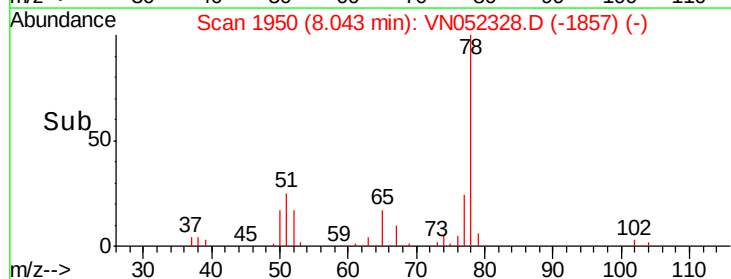
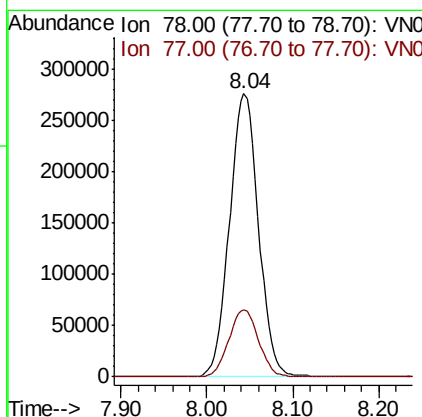
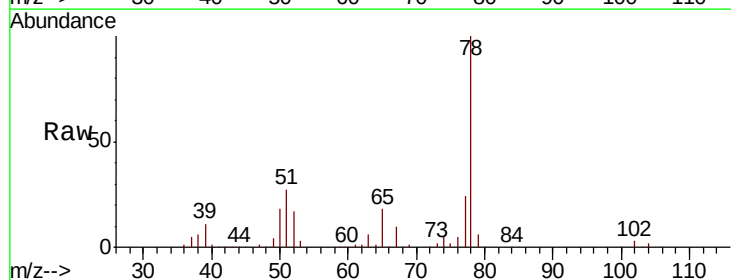
Manual Integrations
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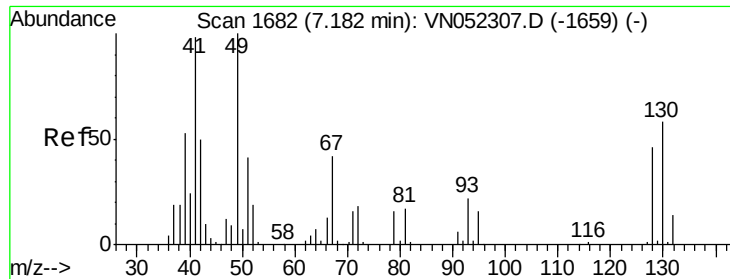
MMDadoda
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#40
Benzene
Concen: 50.088 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	78.00	Resp	646861
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.7	28.1





#41

Methacrylonitrile

Concen: 51.243 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 93553

Ion Ratio Lower Upper

41 100

39 52.7 0.0 0.0#

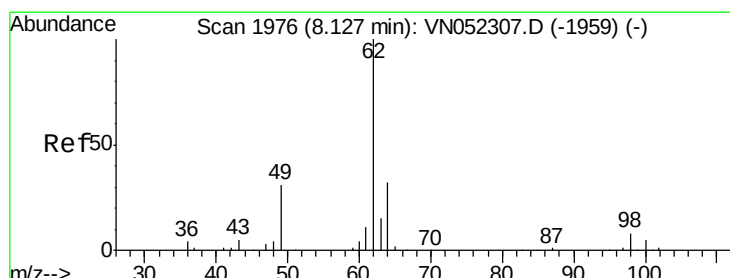
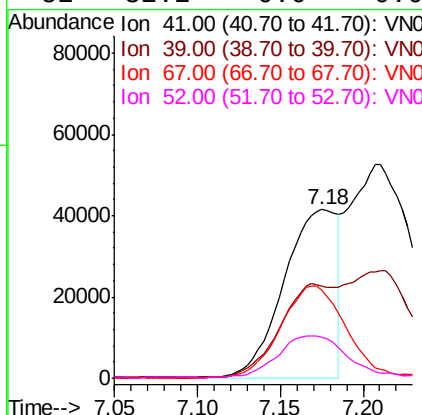
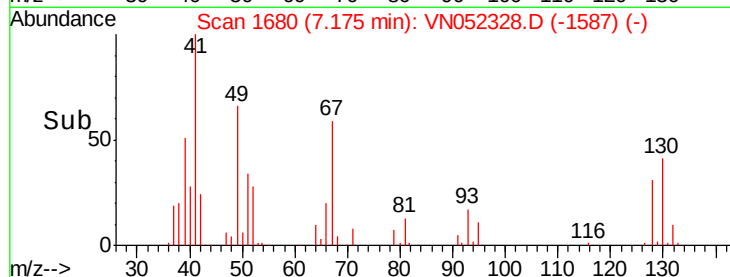
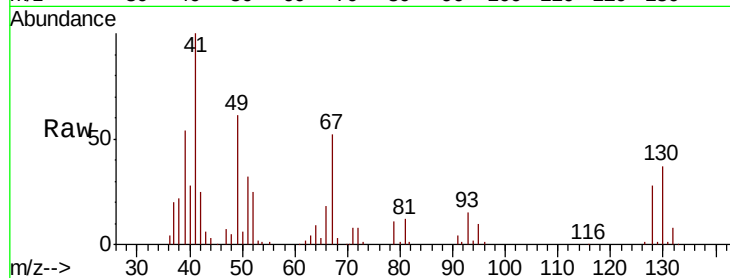
67 67.8 0.0 0.0#

52 32.2 0.0 0.0#

Manual Integrations
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MMDadoda

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#42

1,2-Dichloroethane

Concen: 50.428 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN052328.D

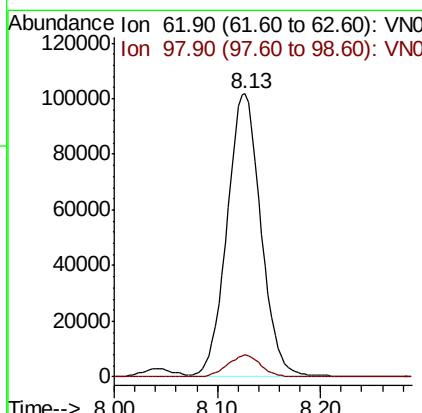
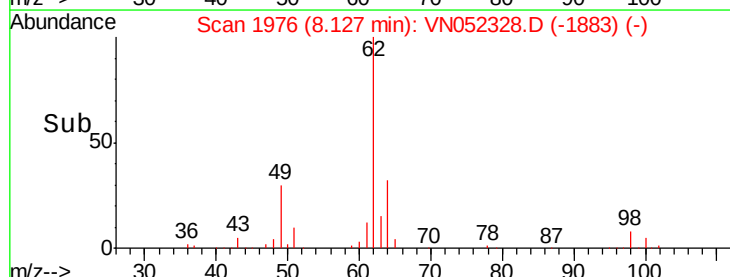
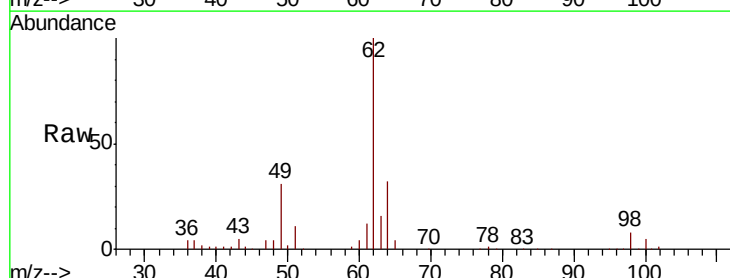
Acq: 14 Nov 2018 22:02

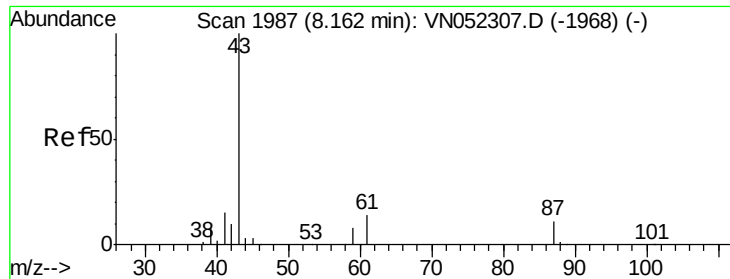
Tgt Ion: 62 Resp: 232232

Ion Ratio Lower Upper

62 100

98 7.7 0.0 15.6





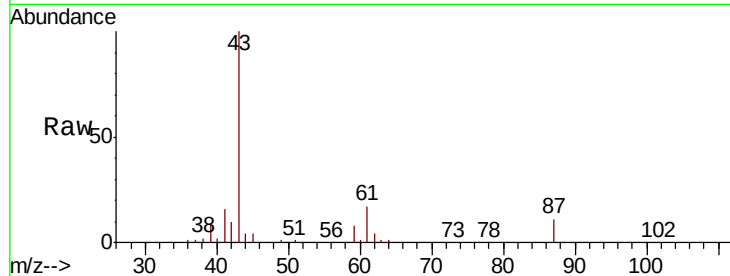
#43
Isopropyl Acetate
Concen: 49.487 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

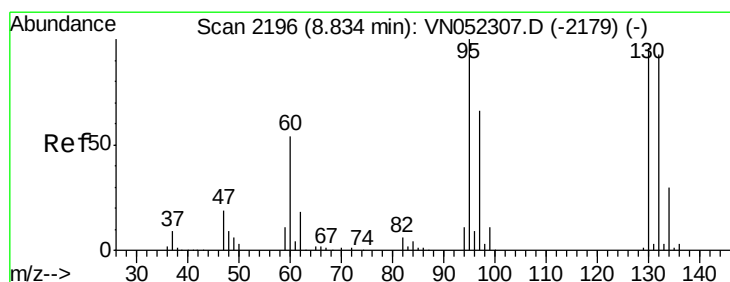
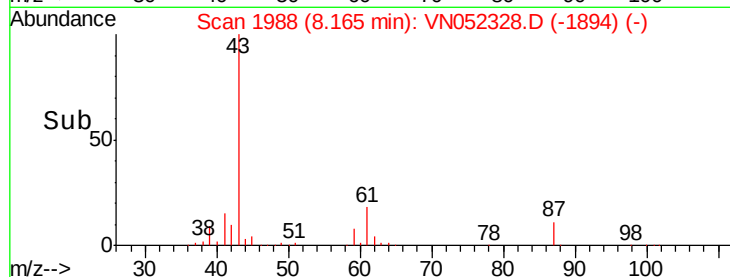
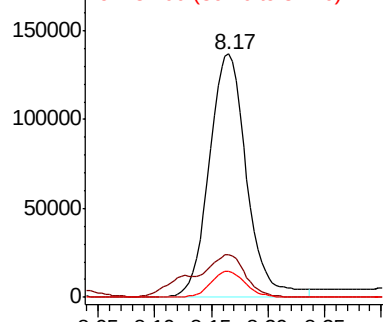
Tot Ion	Ratio	Lower	Upper
43	100		
61	16.9	12.0	18.0
87	10.1	8.3	12.5

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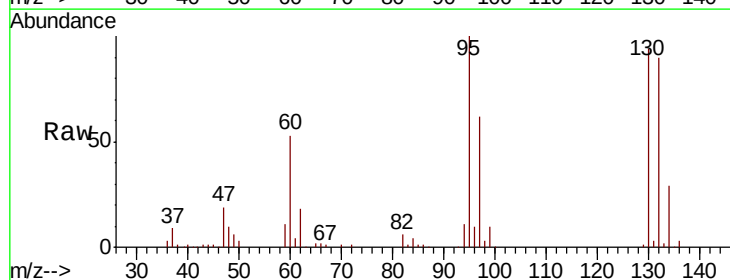


Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

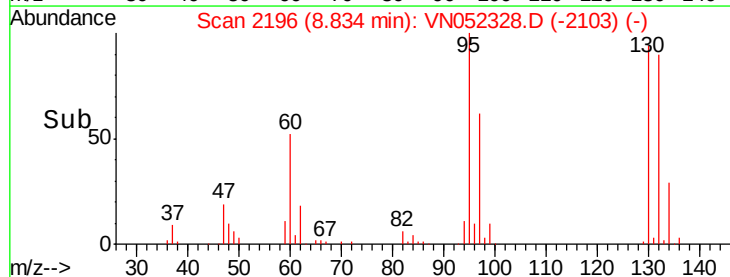
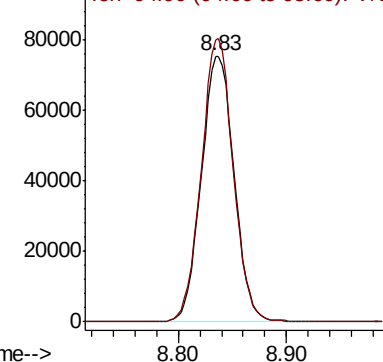


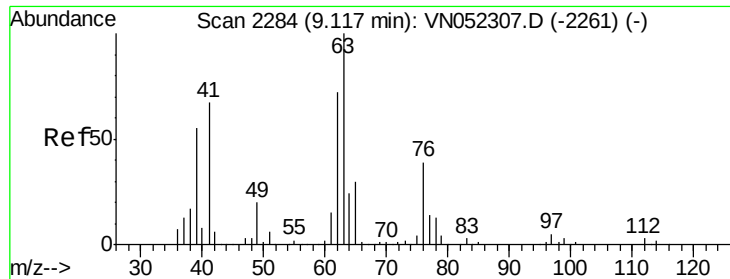
#44
Trichloroethene
Concen: 50.359 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052307.D (-2179) (-)





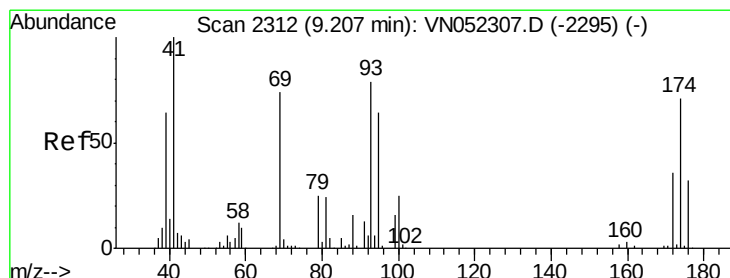
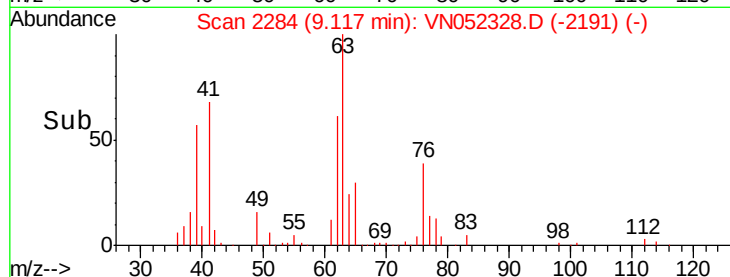
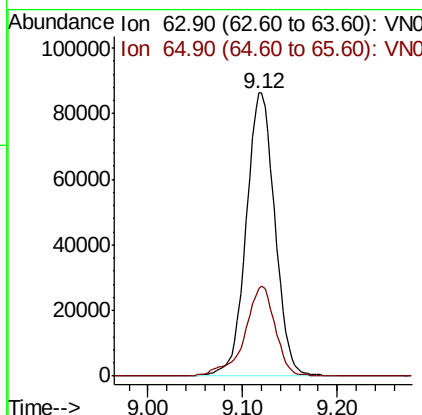
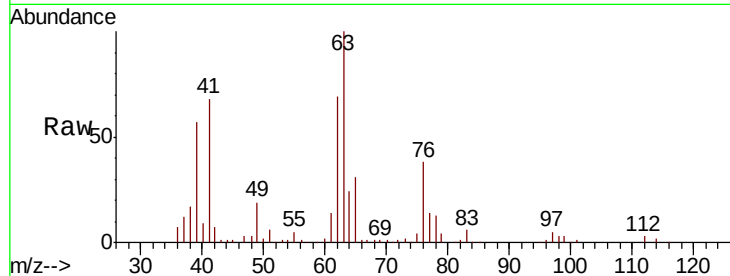
#45
 1,2-Dichloropropane
 Concen: 49.670 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 182045
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.2 36.4

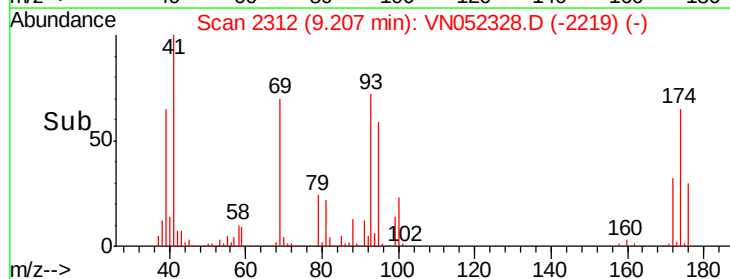
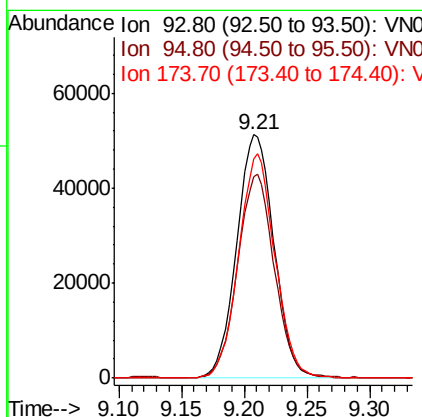
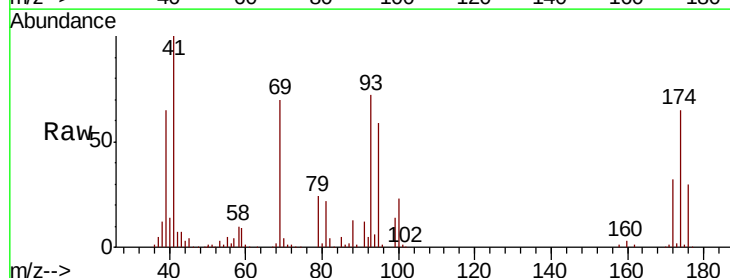
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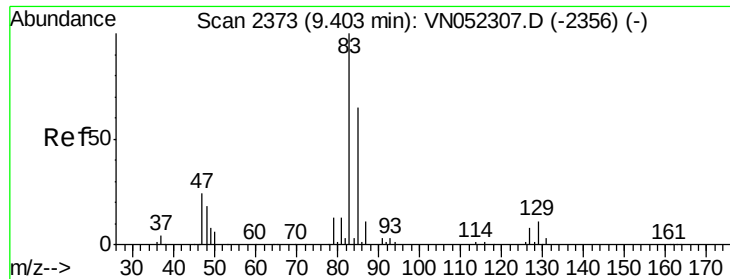
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#46
 Dibromomethane
 Concen: 49.909 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Tgt Ion: 93 Resp: 105893
 Ion Ratio Lower Upper
 93 100
 95 83.0 64.2 96.2
 174 89.9 70.9 106.3





#47

Bromodichloromethane

Concen: 51.664 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

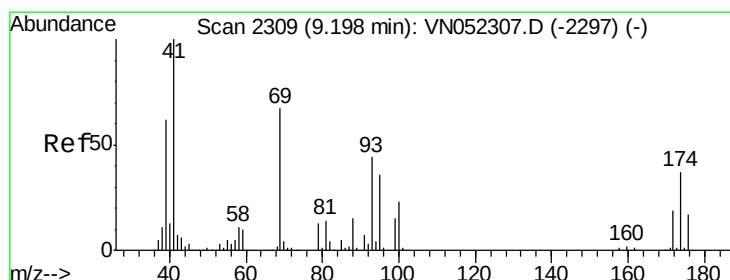
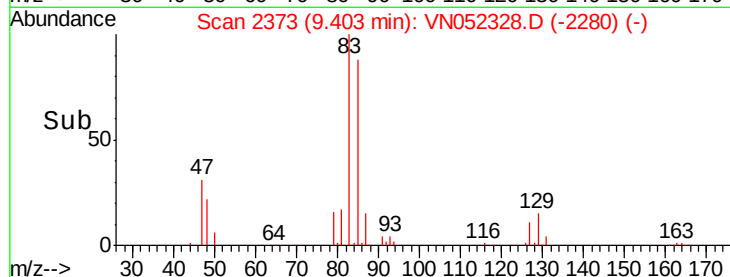
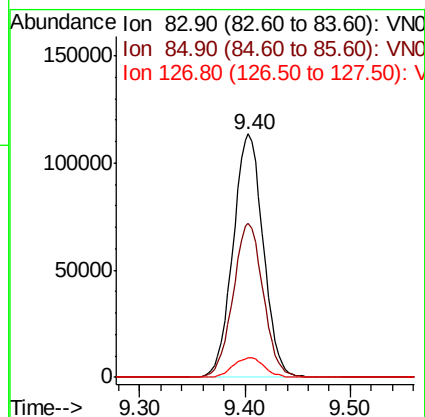
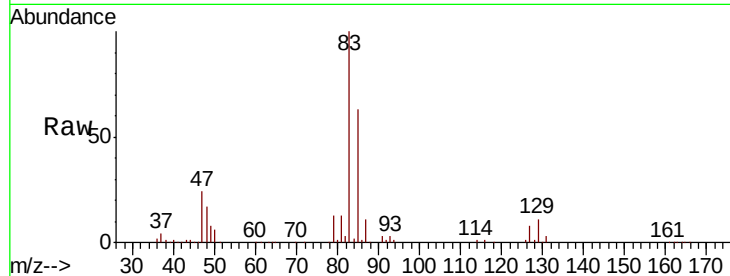
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	224944
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.4
127	8.1	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.844 ug/l

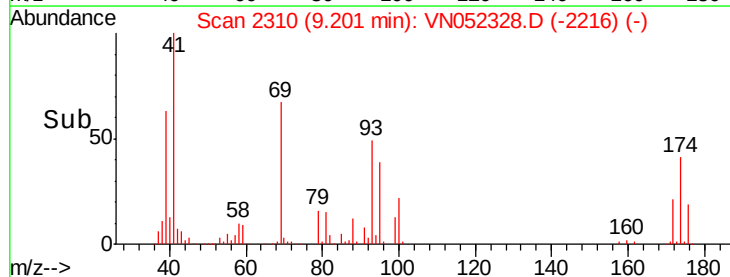
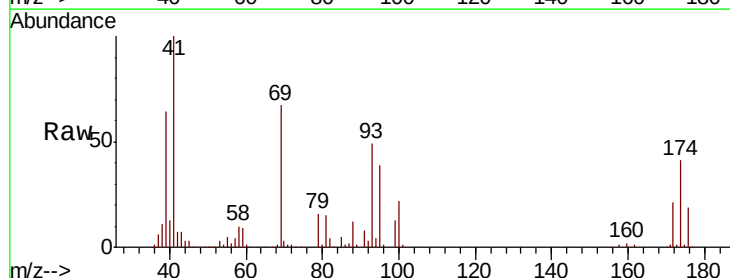
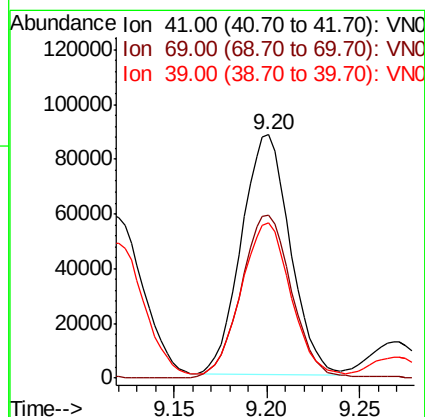
RT: 9.20 min Scan# 2310

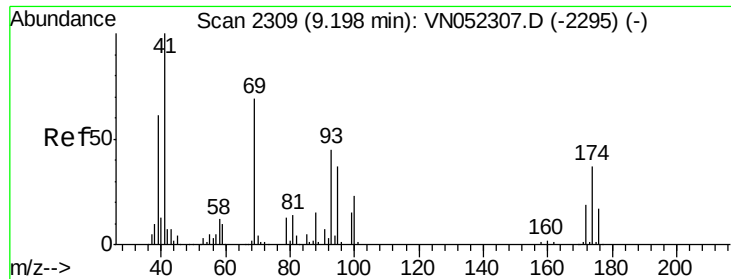
Delta R.T. 0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Tgt Ion:	41	Resp:	160120
Ion	Ratio	Lower	Upper
41	100		
69	70.9	57.1	85.7
39	66.5	52.5	78.7





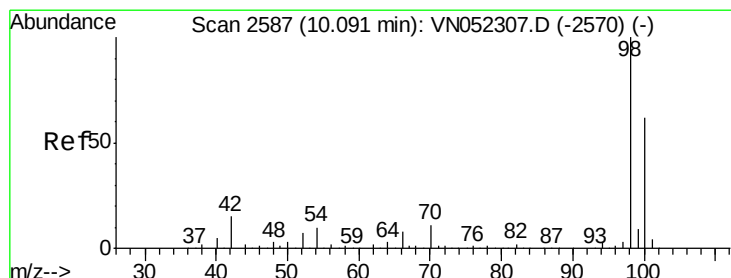
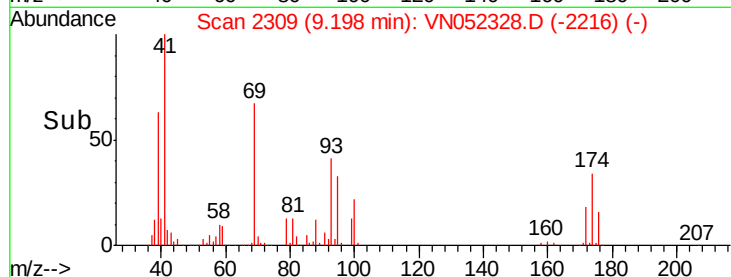
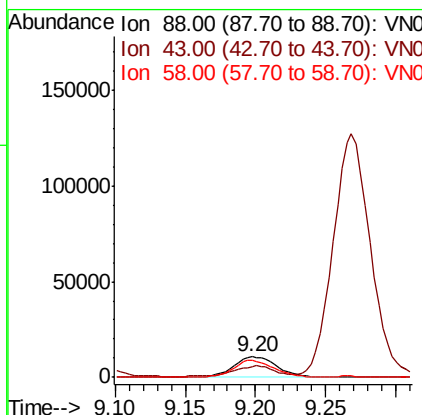
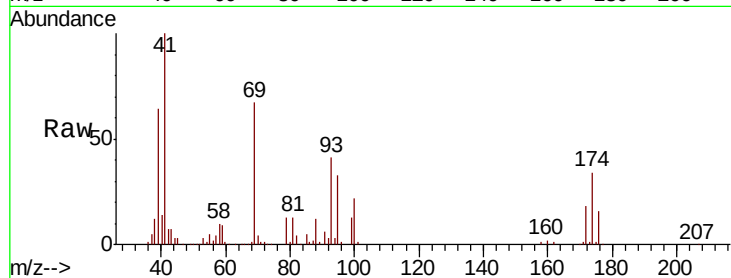
#49
1,4-Dioxane
Concen: 940.062 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.2	33.3	49.9
58	78.0	59.2	88.8

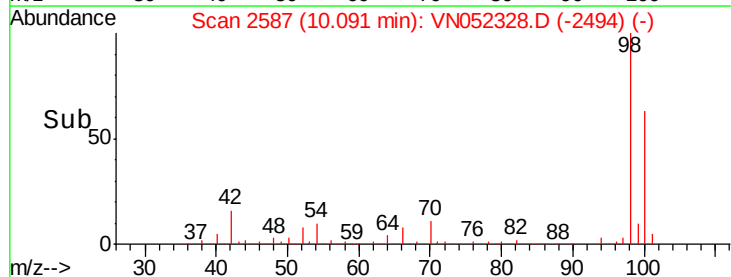
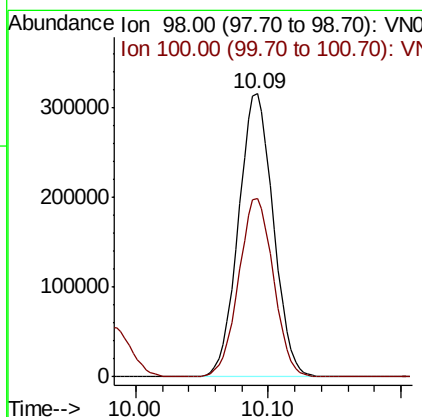
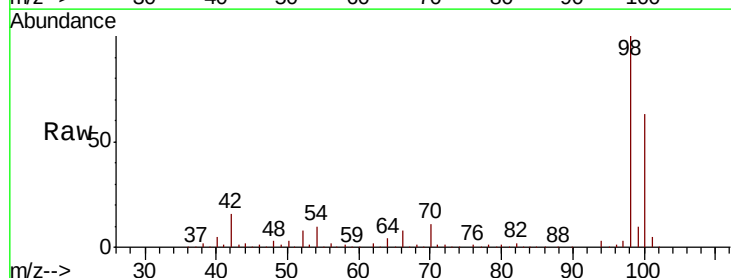
Manual Integrations
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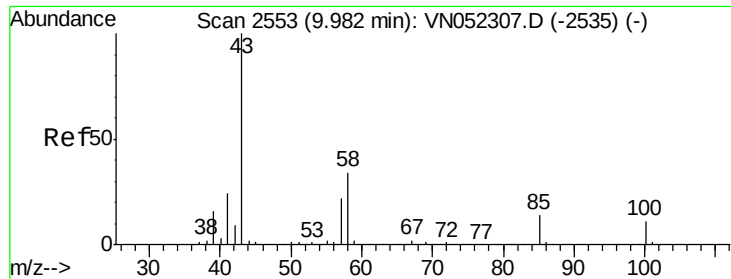
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#50
Toluene-d8
Concen: 940.062 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	49.5	74.3





#51

4-Methyl-2-Pentanone

Concen: 265.136 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 844932

Ion Ratio Lower Upper

43 100

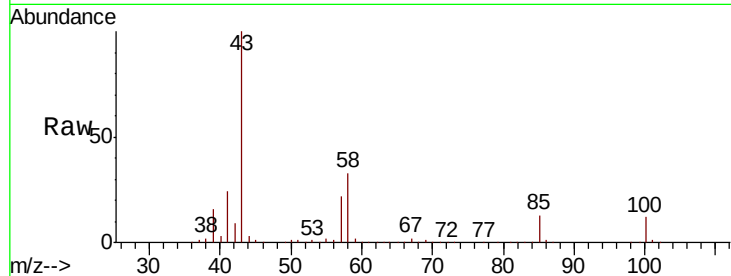
58 33.3 27.0 40.6

Manual Integrations

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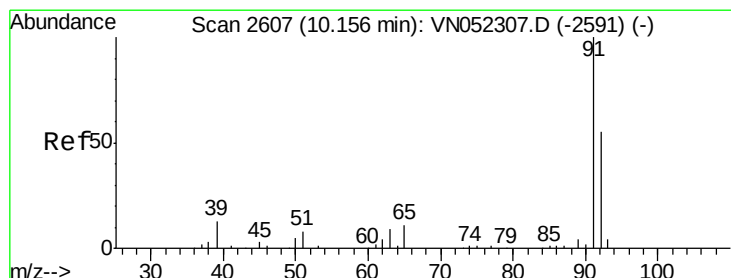
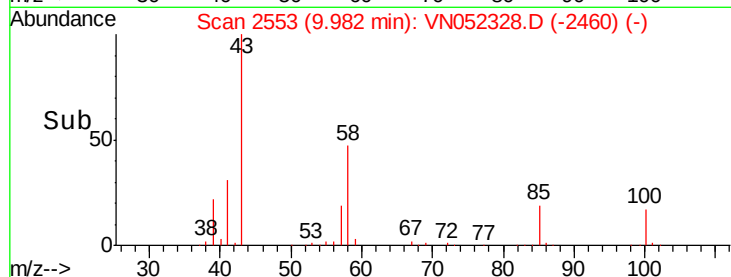
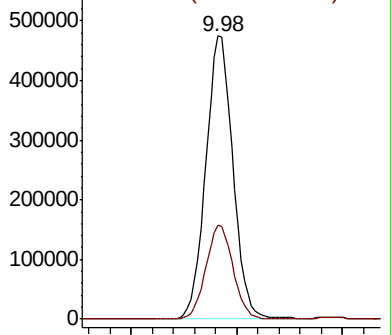
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.319 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052328.D

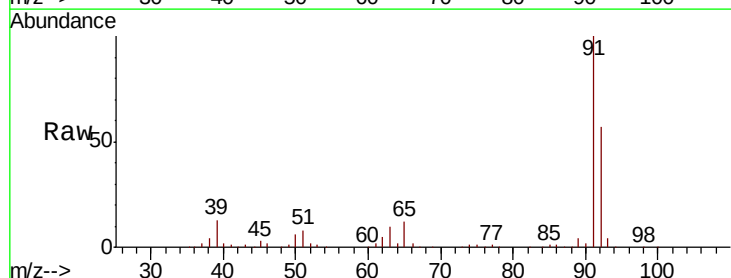
Acq: 14 Nov 2018 22:02

Tgt Ion: 92 Resp: 396475

Ion Ratio Lower Upper

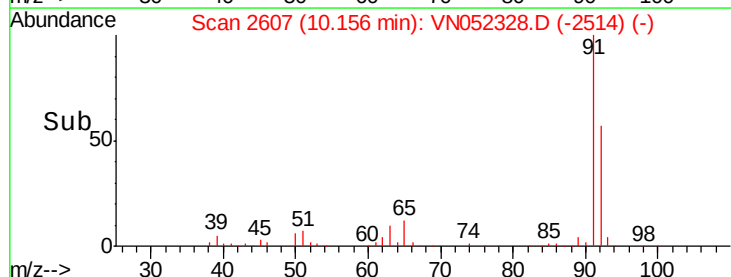
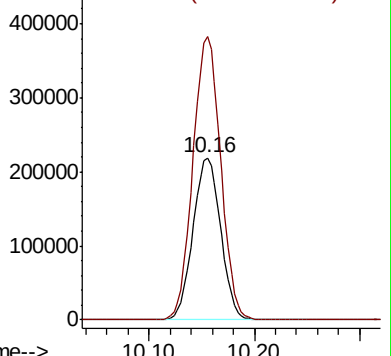
92 100

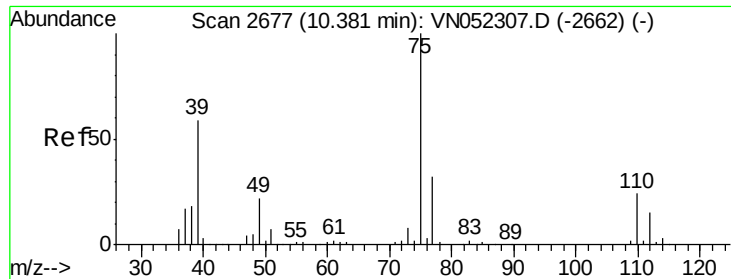
91 175.6 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





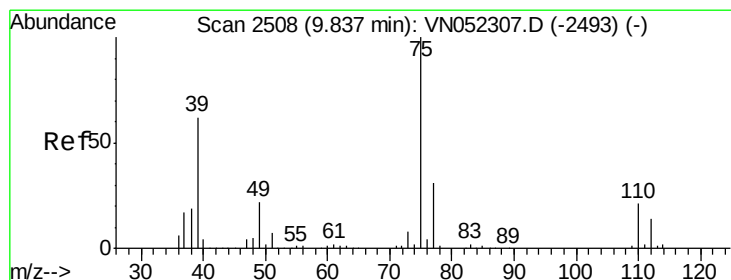
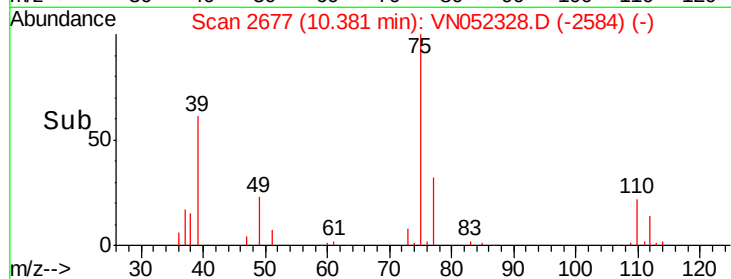
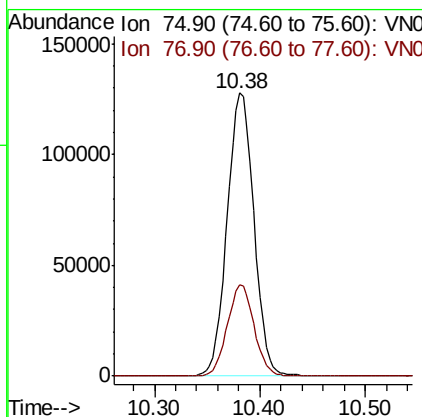
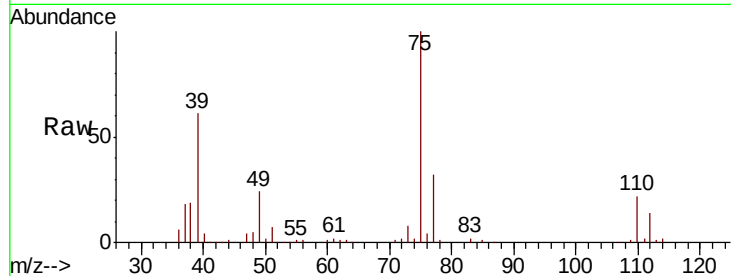
#53
t-1,3-Dichloropropene
Concen: 51.228 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 224952
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5

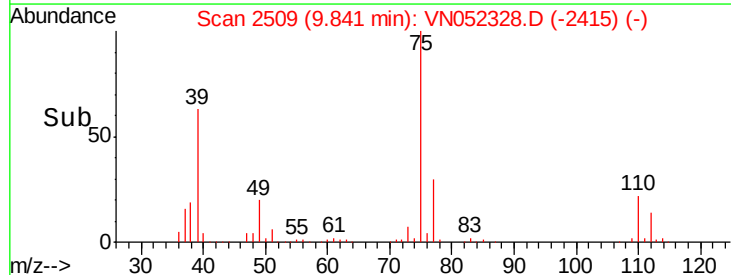
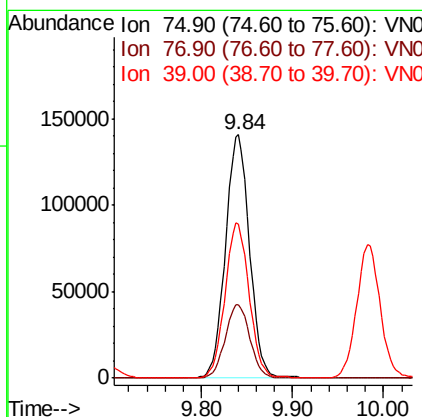
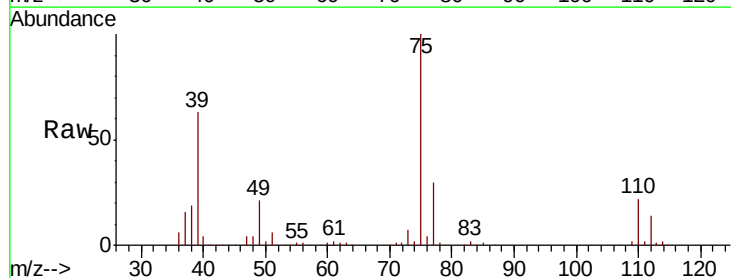
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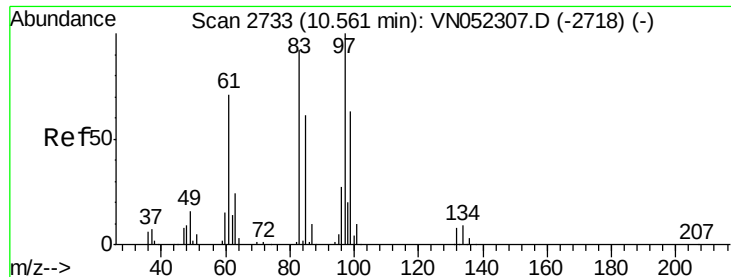
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#54
cis-1,3-Dichloropropene
Concen: 51.643 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion: 75 Resp: 258515
Ion Ratio Lower Upper
75 100
77 30.4 24.6 36.8
39 62.9 49.9 74.9





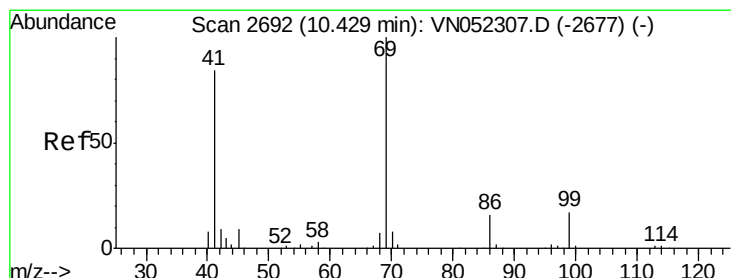
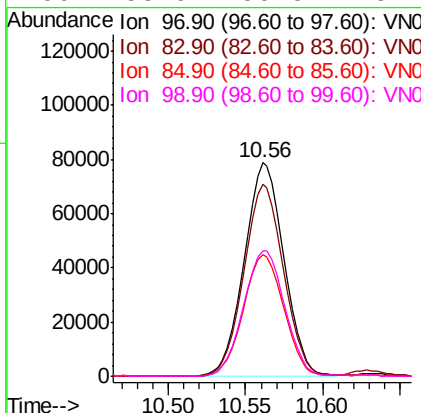
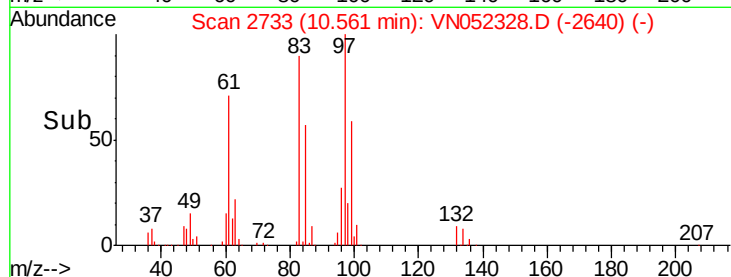
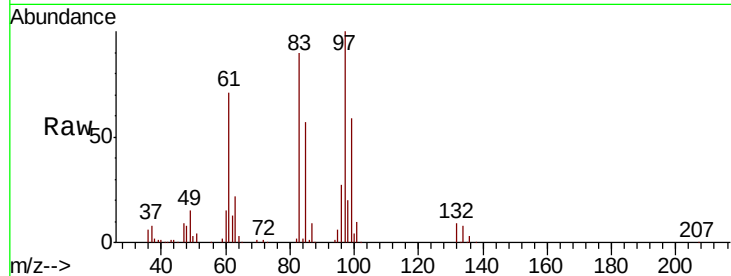
#55
 1,1,2-Trichloroethane
 Concen: 50.310 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		140902		
83	90.2	73.8	110.6		
85	57.1	49.0	73.4		
99	58.9	50.5	75.7		

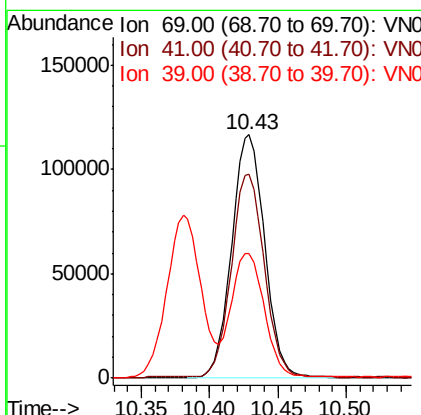
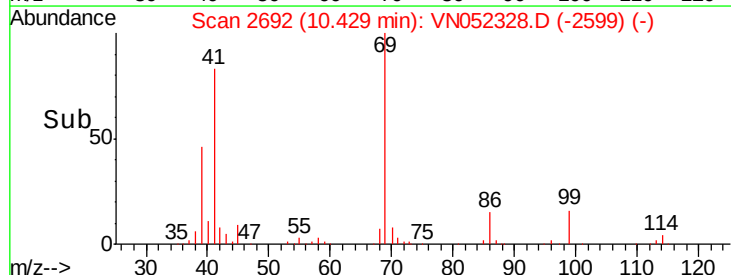
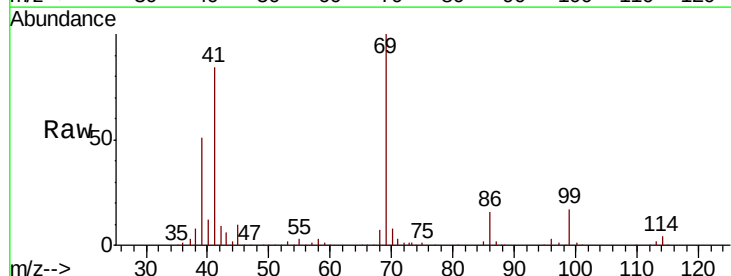
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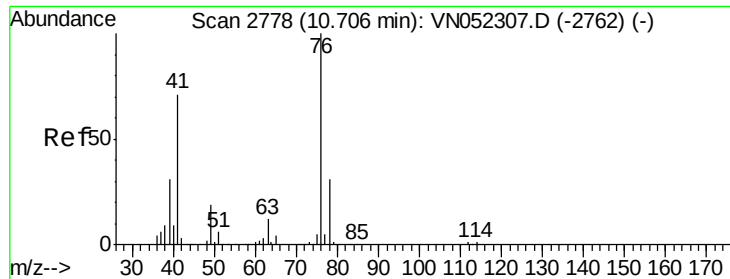
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#56
 Ethyl methacrylate
 Concen: 53.419 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		196754		
41	82.7	64.8	97.2		
39	50.8	41.0	61.6		





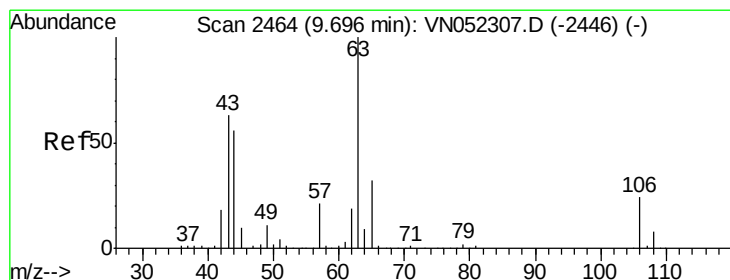
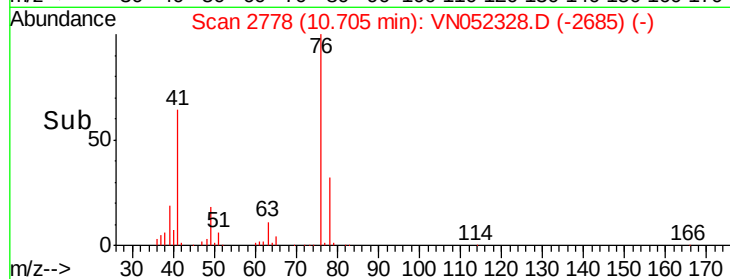
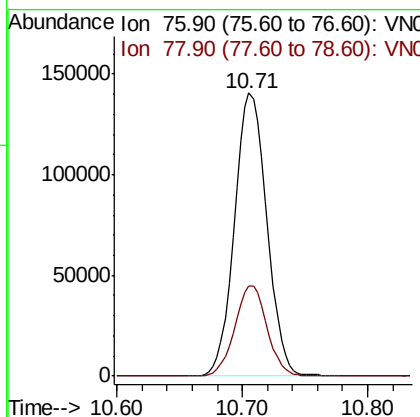
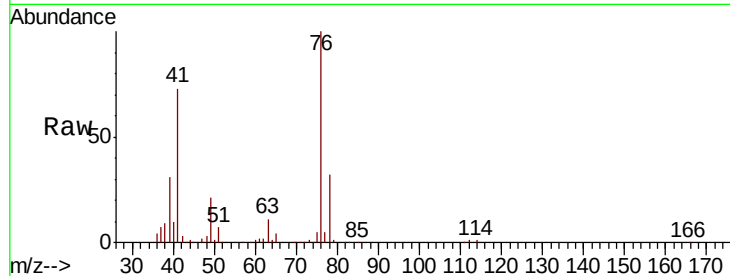
#57
 1,3-Dichloropropane
 Concen: 50.832 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 252161
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5

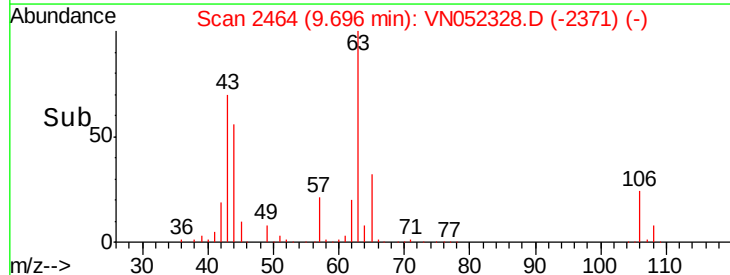
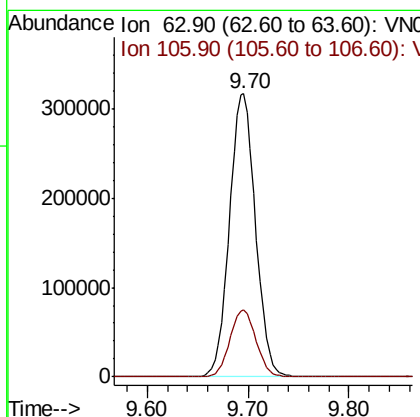
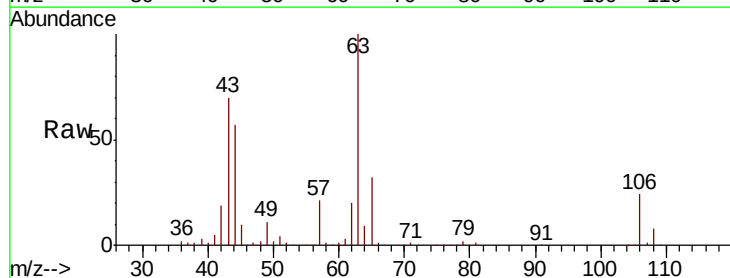
Manual Integrations
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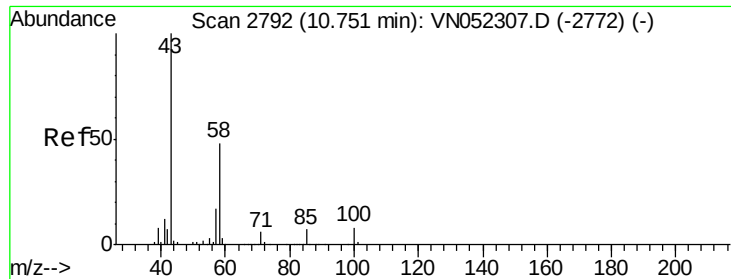
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#58
 2-Chloroethyl Vinyl ether
 Concen: 271.604 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Tgt Ion: 63 Resp: 569539
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.3 28.9





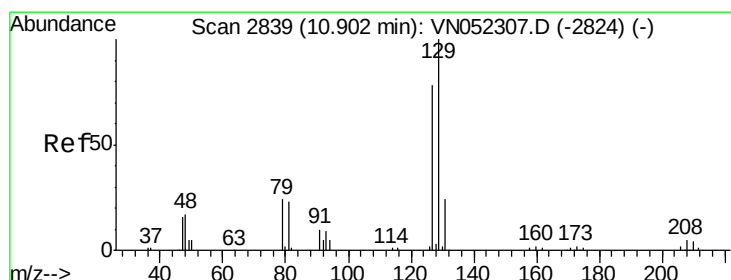
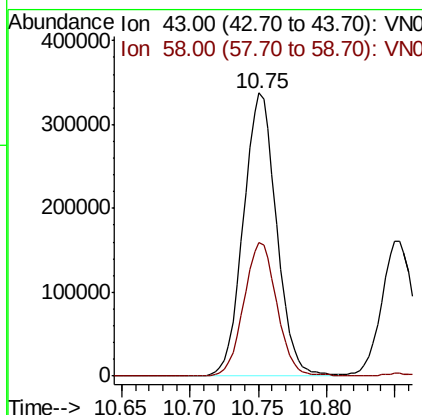
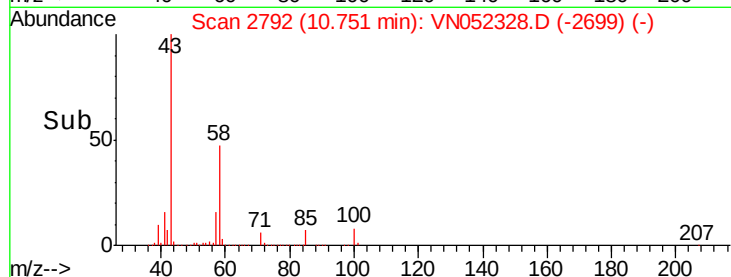
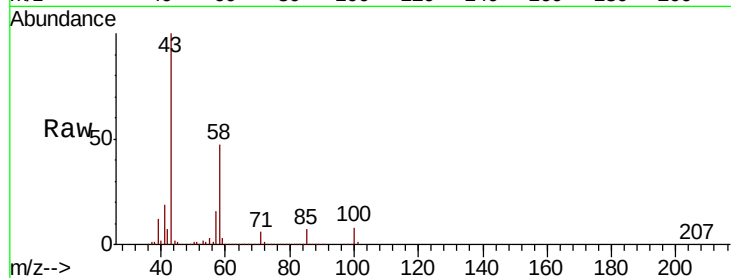
#59
2-Hexanone
Concen: 258.898 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 567496
Ion Ratio Lower Upper
43 100
58 47.4 23.5 70.6

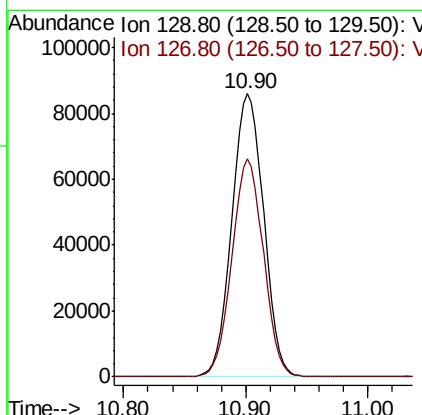
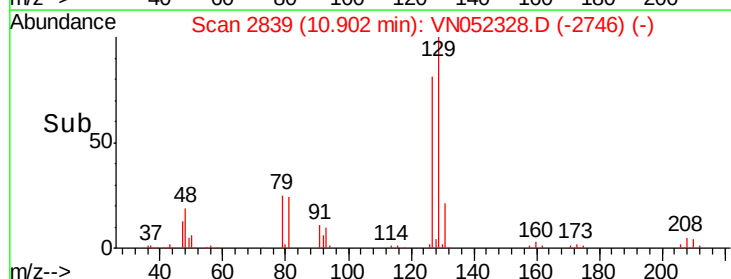
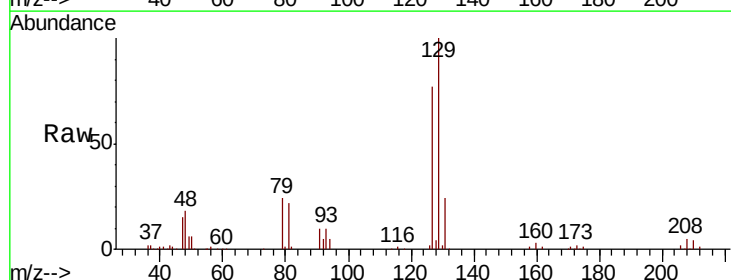
Manual Integrations
APPROVED

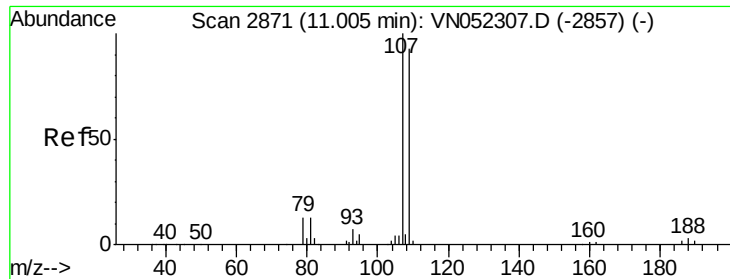
MMDadoda
11/20/2018 2:53:29 PM



#60
Dibromochloromethane
Concen: 51.418 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion: 129 Resp: 155803
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5





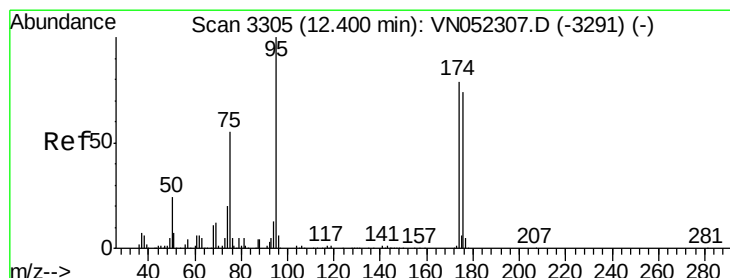
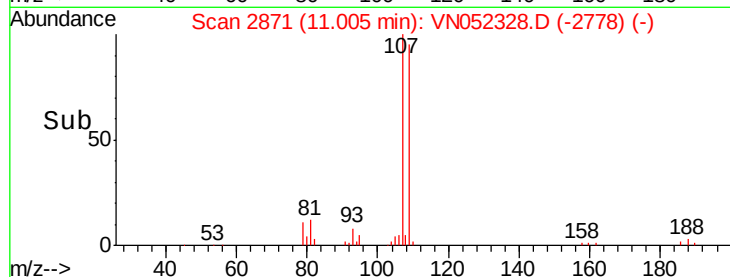
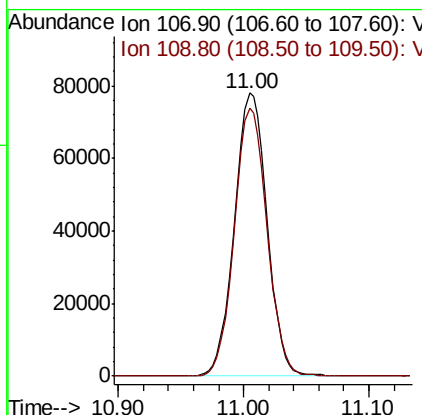
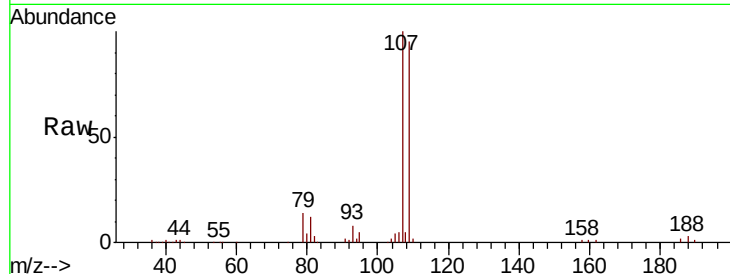
#61
 1,2-Dibromoethane
 Concen: 50.672 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.9	112.3

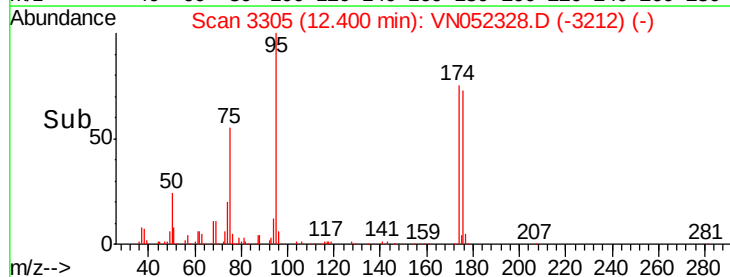
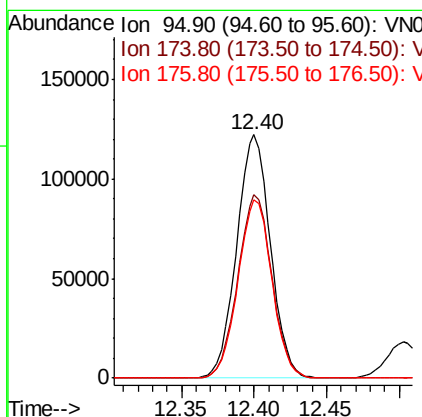
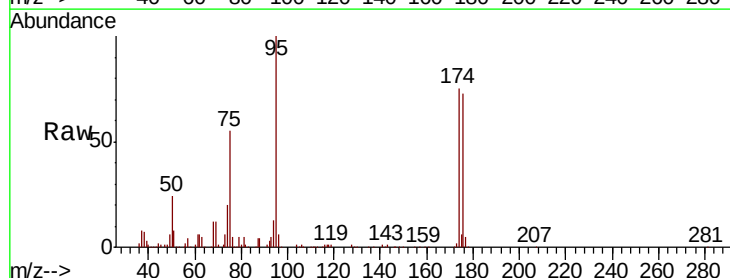
Manual Integrations
 APPROVED

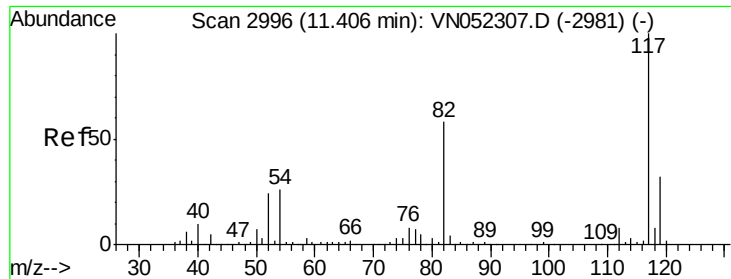
MMDadoda
 11/20/2018 2:53:29 PM



#62
 4-Bromofluorobenzene
 Concen: 50.672 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	156.0
176	73.7	0.0	148.4





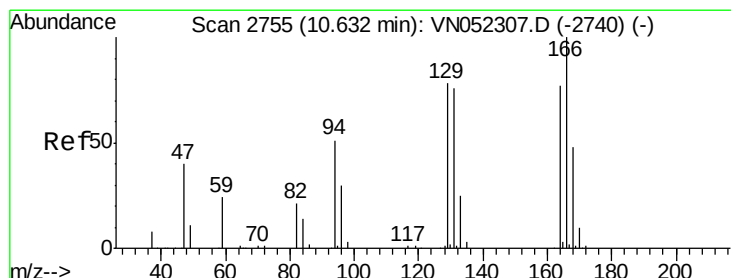
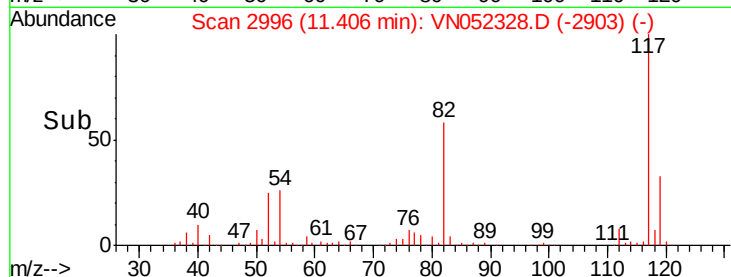
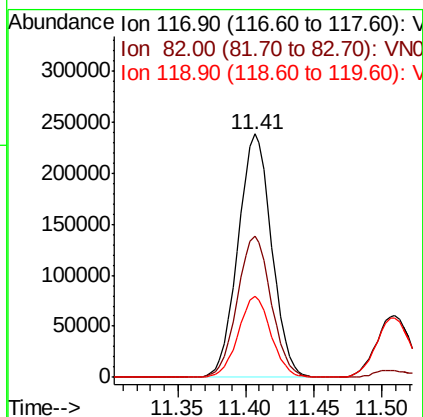
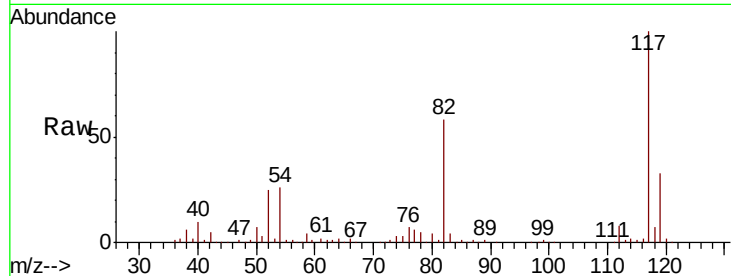
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.5	69.7
119	33.4	25.7	38.5

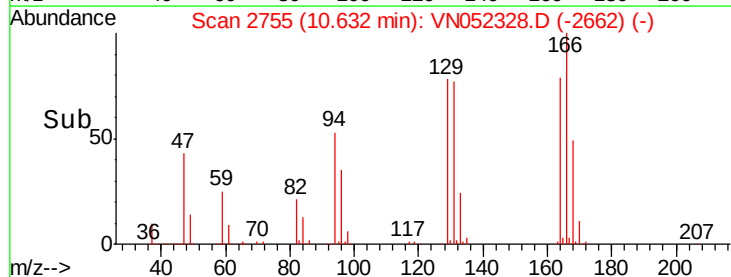
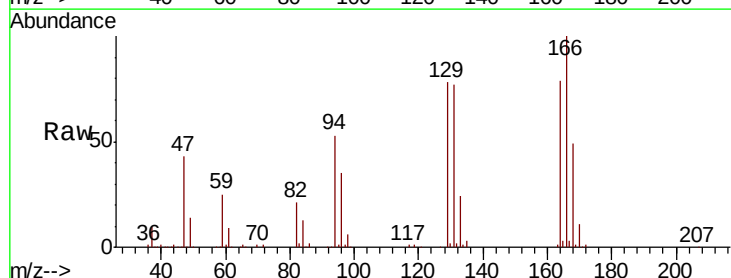
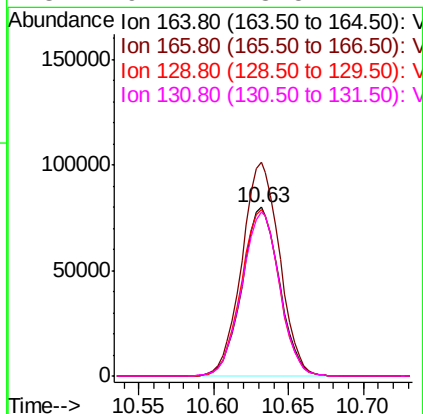
Manual Integrations
APPROVED

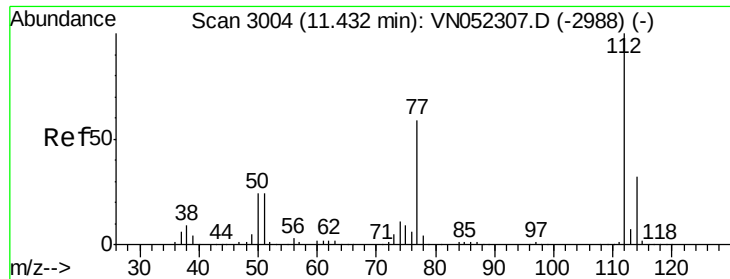
MMDadoda
11/20/2018 2:53:29 PM



#64
Tetrachloroethene
Concen: 48.024 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.8	155.6
129	98.4	80.7	121.1
131	97.4	78.5	117.7





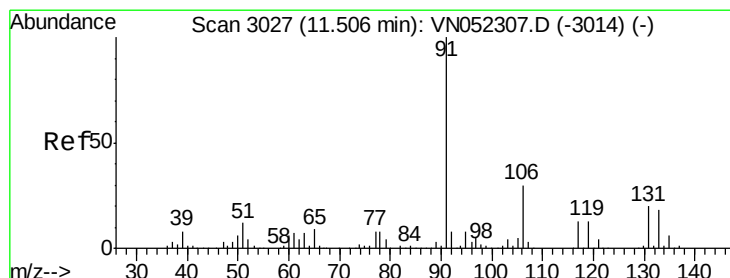
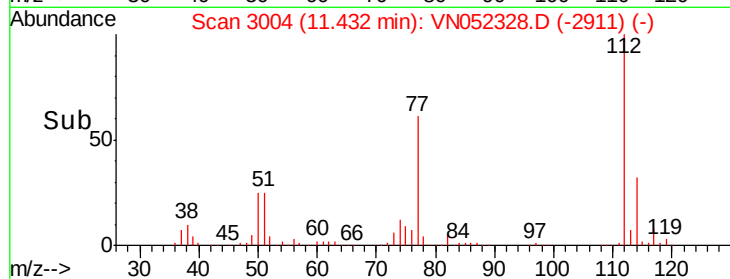
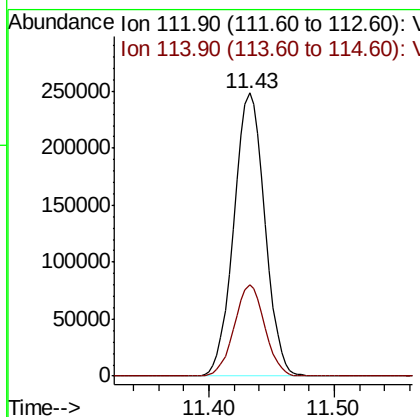
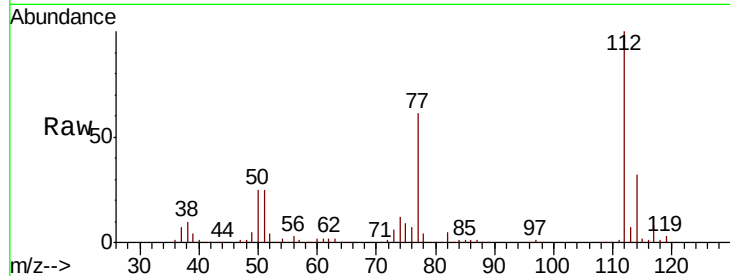
#65
Chlorobenzene
Concen: 49.461 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 426402
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9

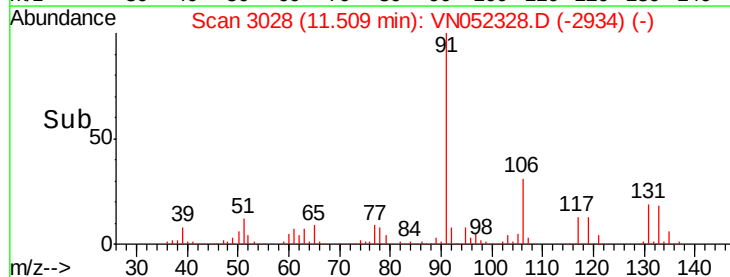
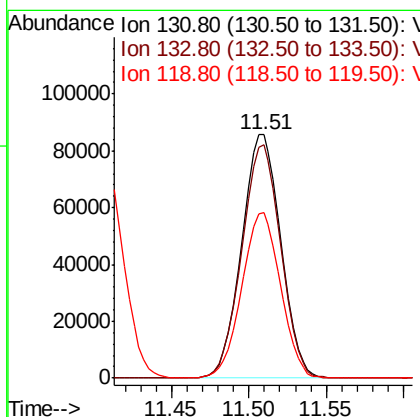
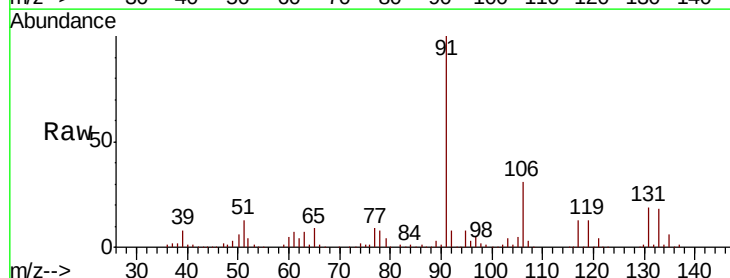
Manual Integrations
APPROVED

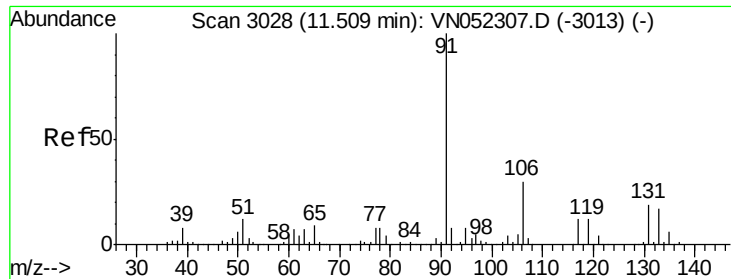
MMDadoda
11/20/2018 2:53:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.304 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion:131 Resp: 150826
Ion Ratio Lower Upper
131 100
133 95.7 47.4 142.3
119 67.5 33.3 99.9





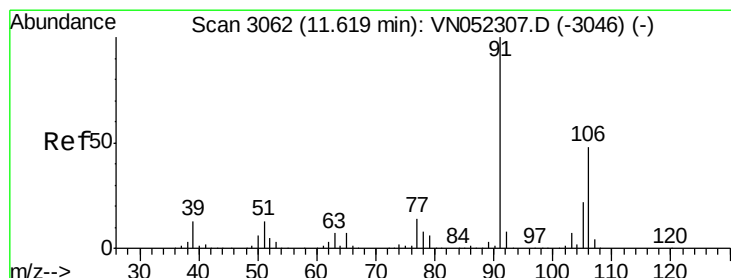
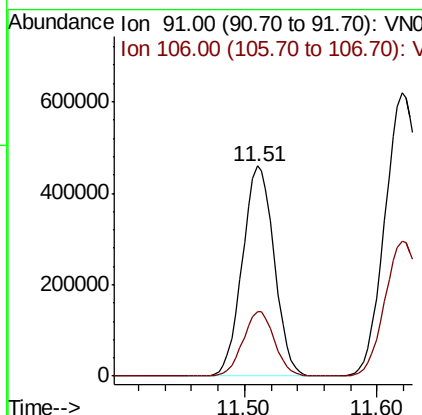
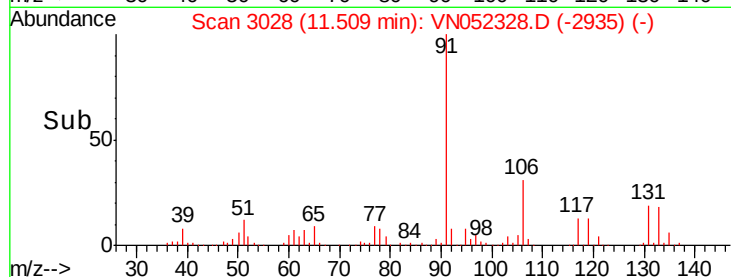
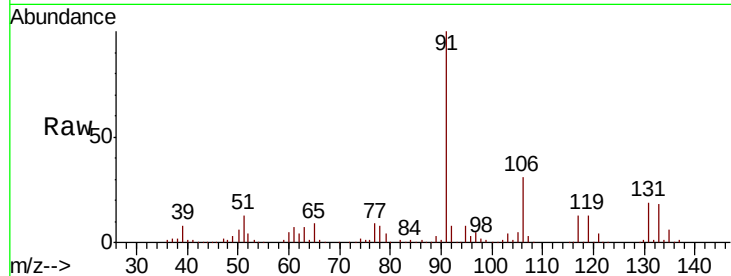
#67
Ethyl Benzene
Concen: 51.043 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 763742
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.2

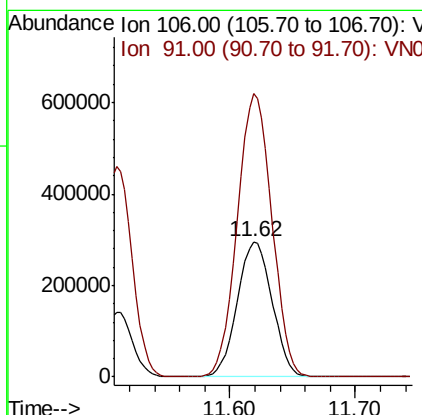
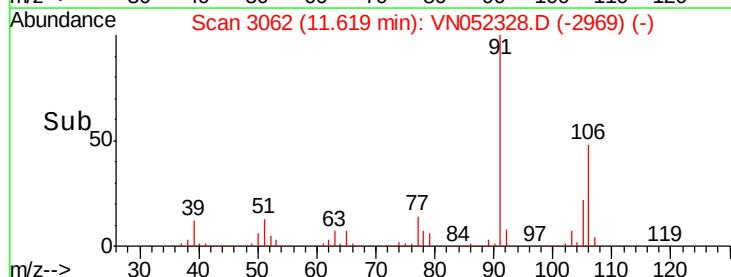
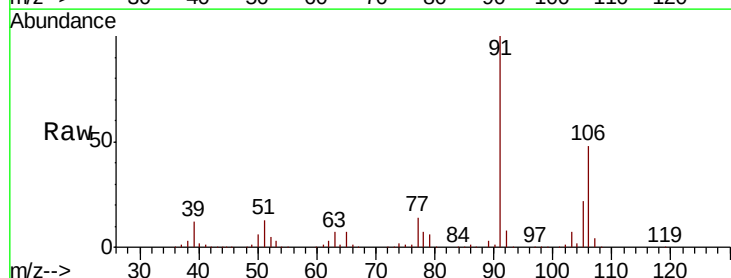
Manual Integrations
APPROVED

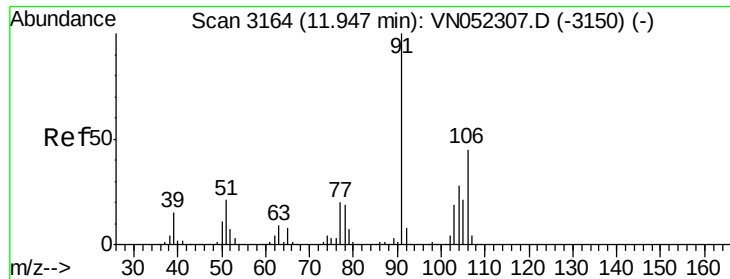
MMDadoda
11/20/2018 2:53:29 PM



#68
m/p-Xylenes
Concen: 104.145 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion: 106 Resp: 569367
Ion Ratio Lower Upper
106 100
91 207.9 165.5 248.3





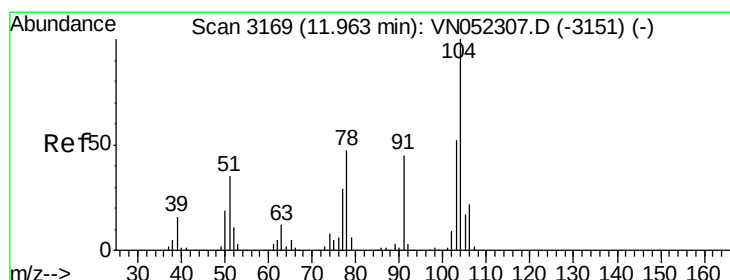
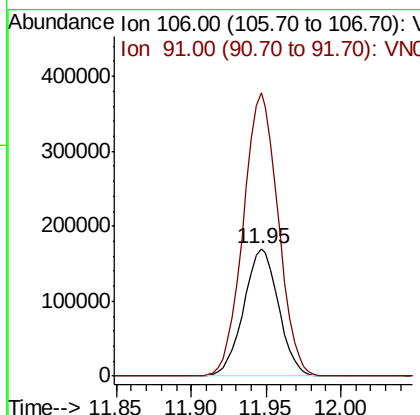
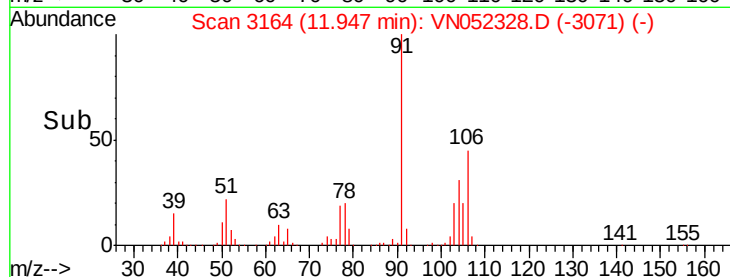
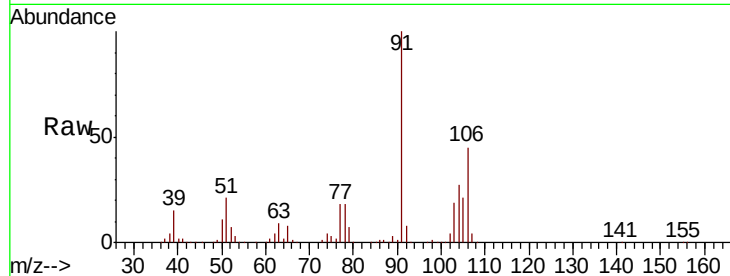
#69
o-Xylene
Concen: 52.485 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 275054
Ion Ratio Lower Upper
106 100
91 222.9 110.0 330.0

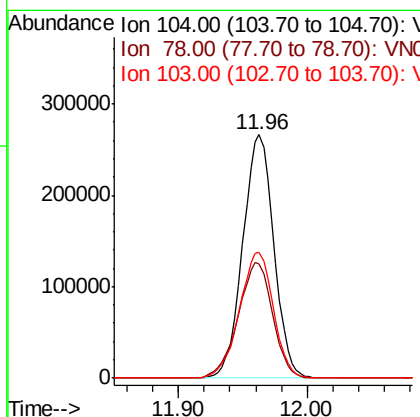
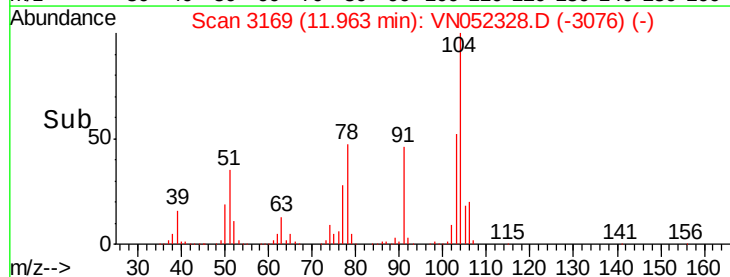
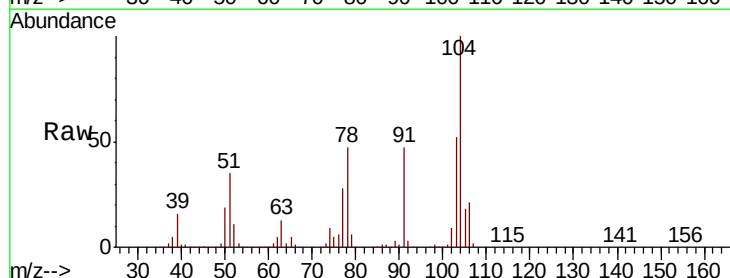
Manual Integrations
APPROVED

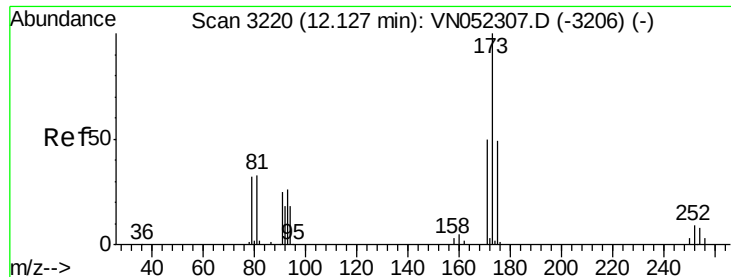
MMDadoda
11/20/2018 2:53:29 PM



#70
Styrene
Concen: 53.238 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion:104 Resp: 446737
Ion Ratio Lower Upper
104 100
78 52.8 42.7 64.1
103 56.5 45.4 68.0





#71

Bromoform

Concen: 52.436 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 91016

Ion Ratio Lower Upper

173 100

175 48.1 25.0 75.0

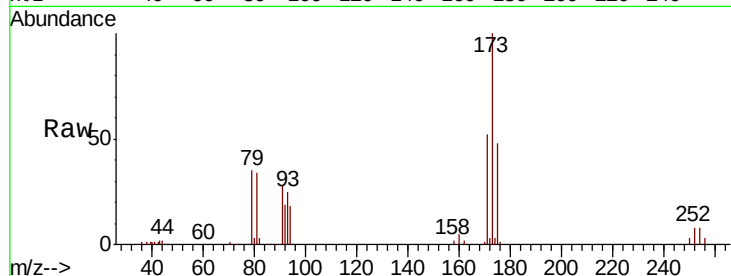
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

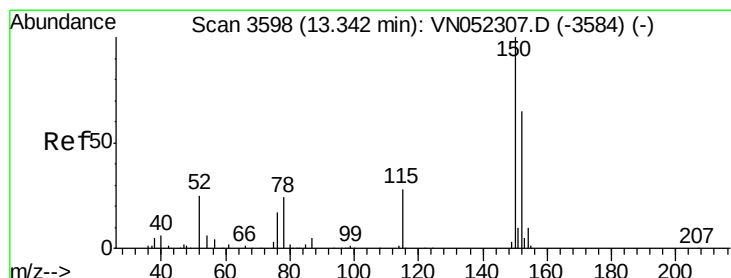
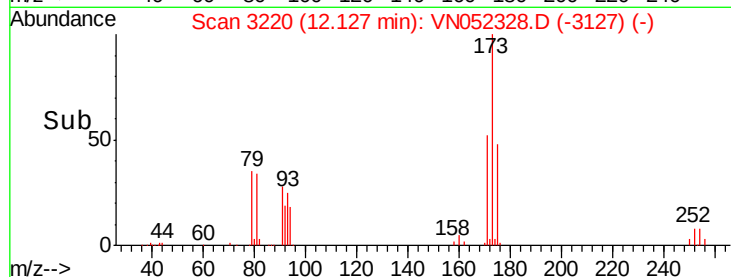
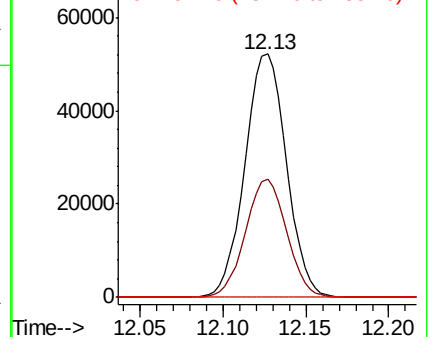
11/20/2018 2:53:29 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

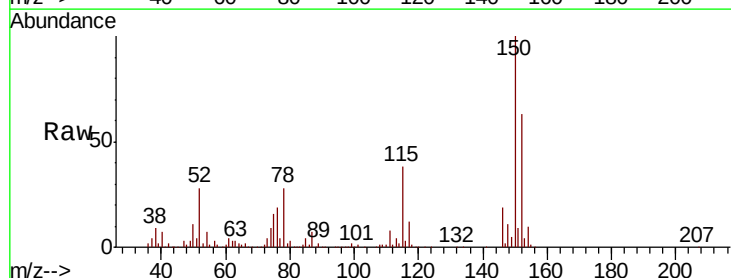
Tgt Ion:152 Resp: 187891

Ion Ratio Lower Upper

152 100

115 59.2 30.3 91.0

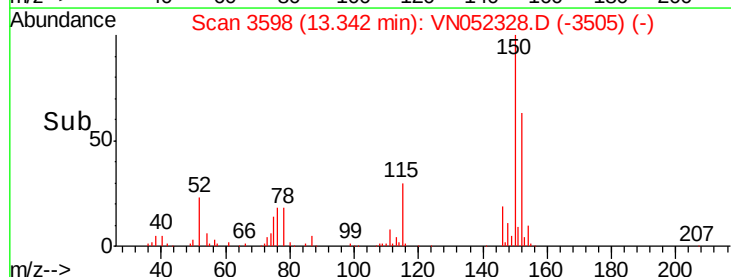
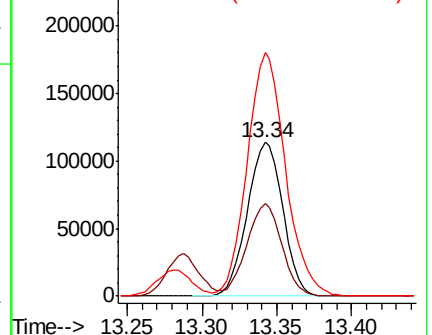
150 170.9 0.0 348.2

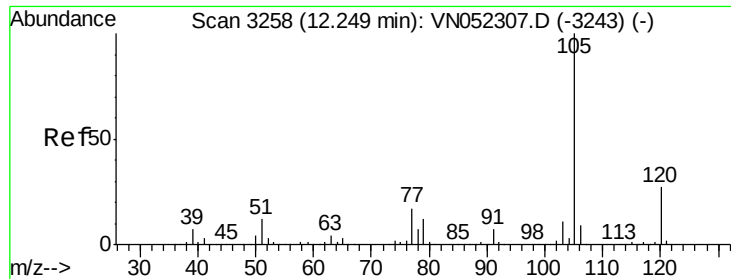


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.236 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 743778

Ion Ratio Lower Upper

105 100

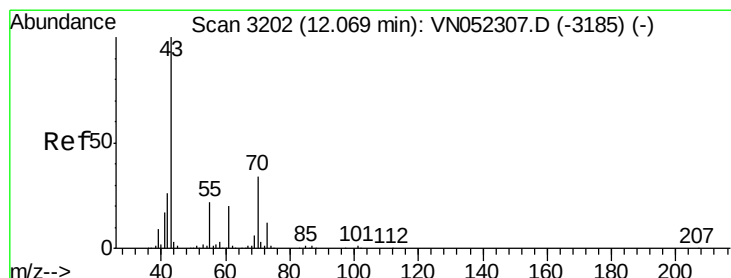
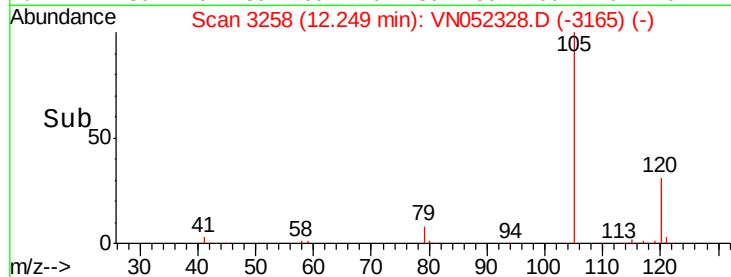
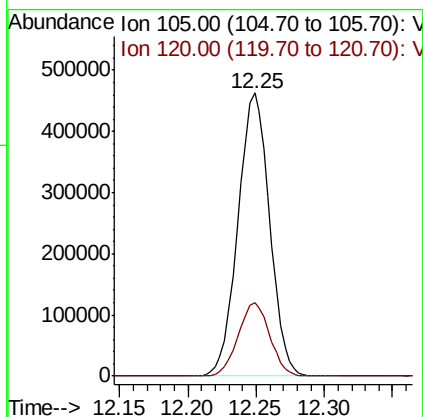
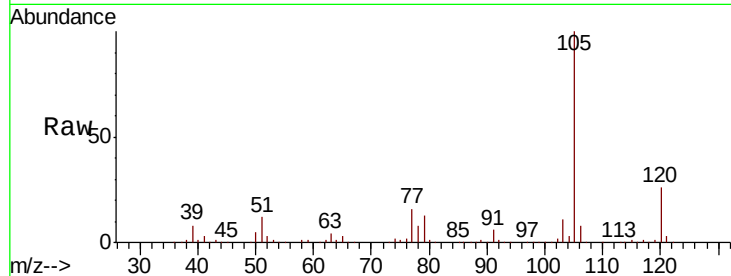
120 25.9 13.4 40.1

Manual Integrations

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MMDadoda

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#74

N-ethyl acetate

Concen: 53.559 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Tgt Ion: 43 Resp: 288177

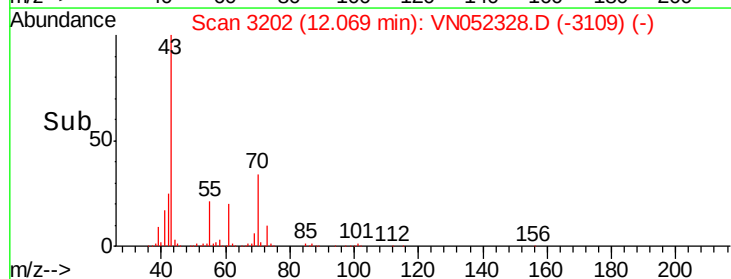
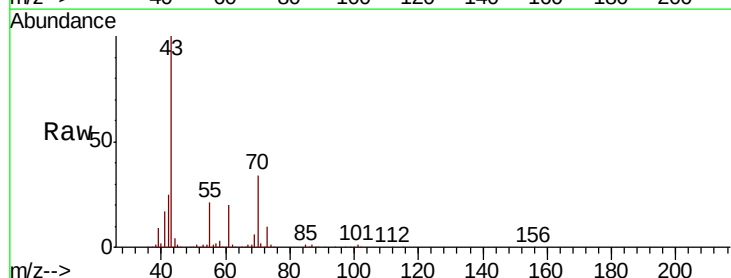
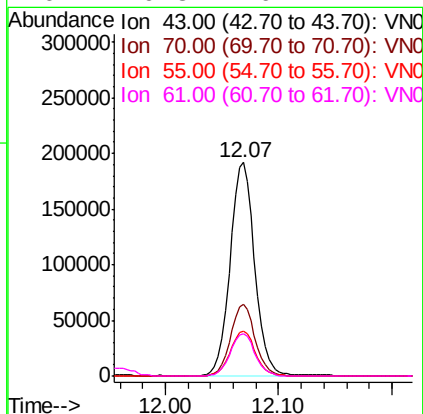
Ion Ratio Lower Upper

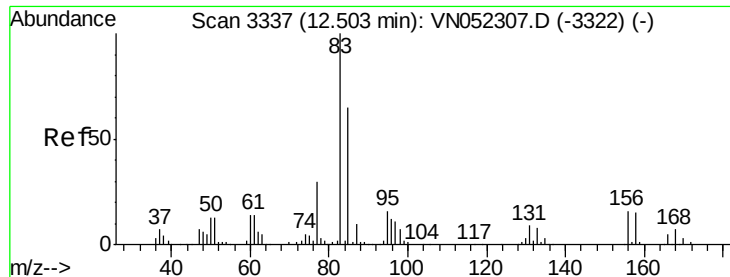
43 100

70 33.7 27.1 40.7

55 21.5 17.4 26.0

61 20.3 16.1 24.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.355 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

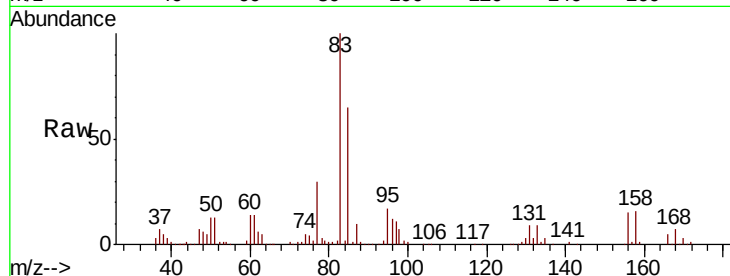
ClientSampleId :

VSTDCCC050EC

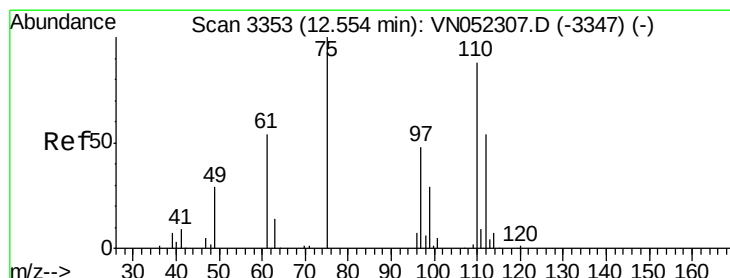
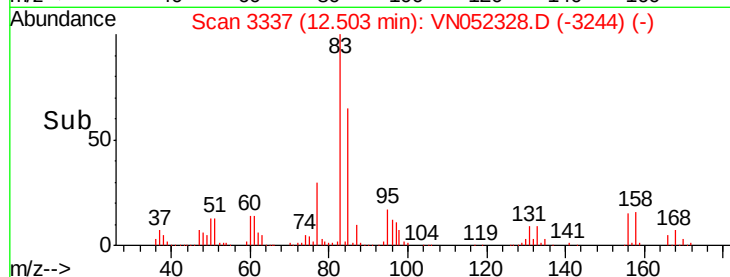
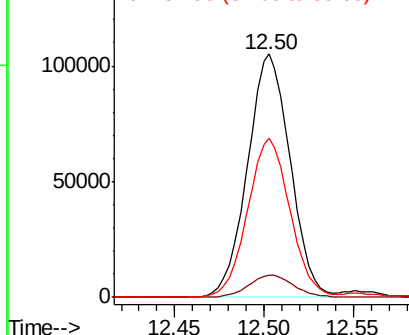
Tot Ion:	83	Resp:	176580
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.1
85	64.8	32.4	97.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 49.077 ug/l m

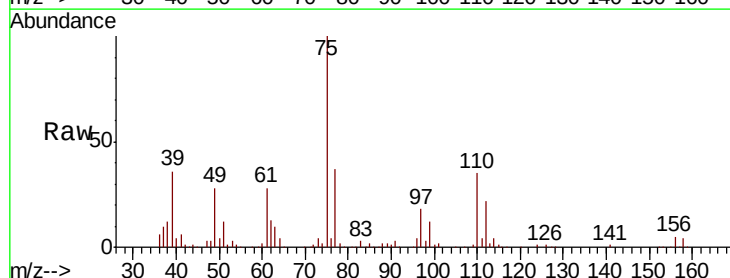
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

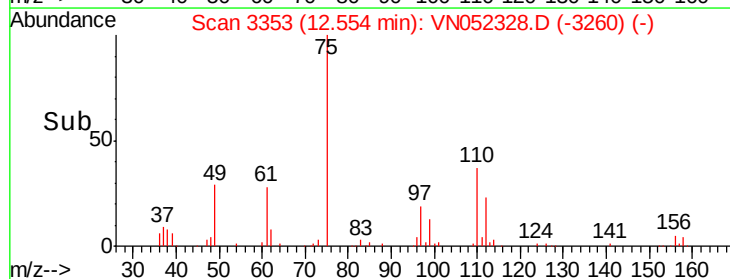
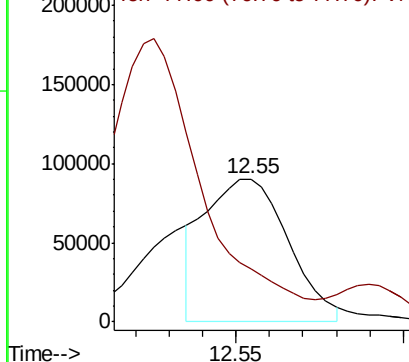
Lab File: VN052328.D

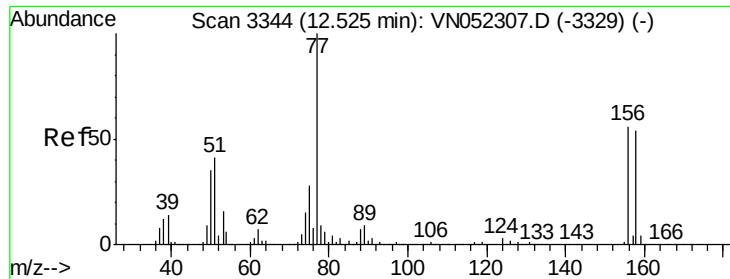
Acq: 14 Nov 2018 22:02

Tgt Ion:	75	Resp:	156466
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 49.390 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

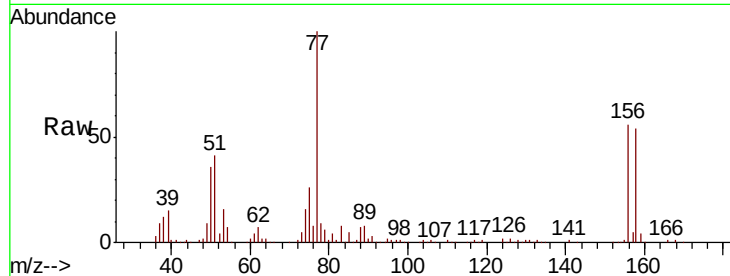
ClientSampleId :

VSTDCCC050EC

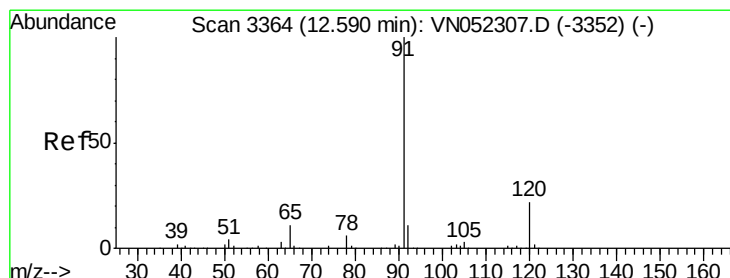
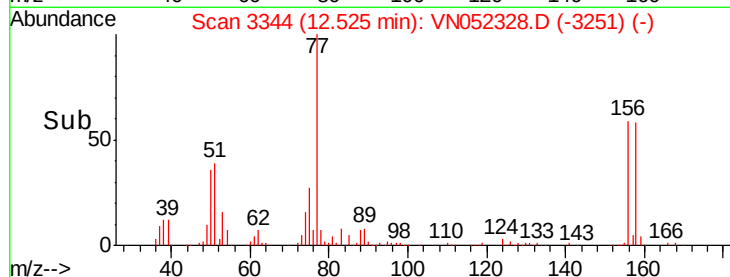
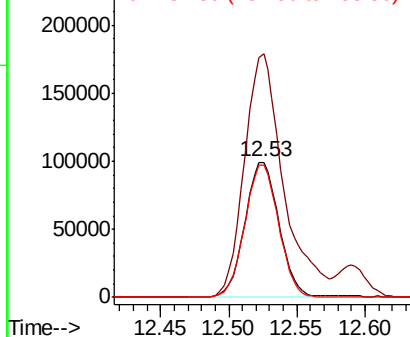
Tot Ion:	156	Resp:	173602
Ion Ratio	Lower	Upper	
156	100		
77	205.4	103.6	310.9
158	96.6	48.1	144.4

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.494 ug/l

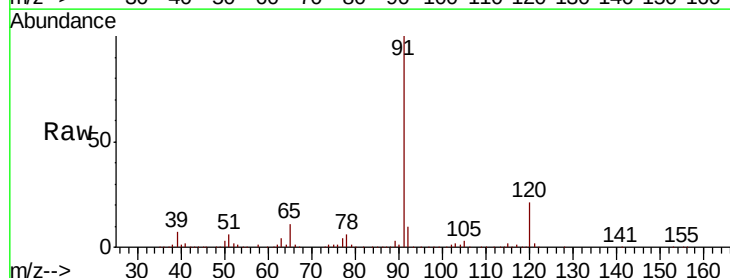
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

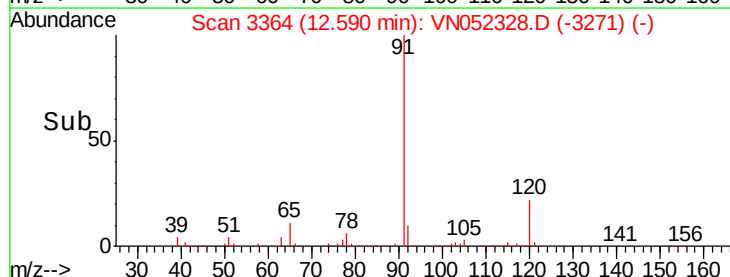
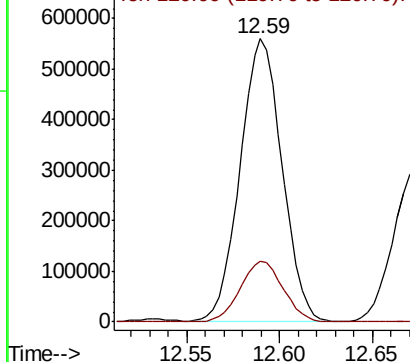
Lab File: VN052328.D

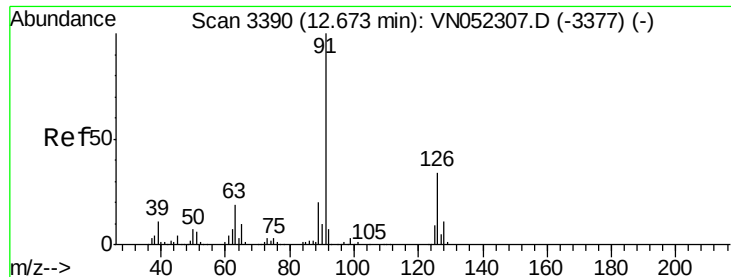
Acq: 14 Nov 2018 22:02

Tgt Ion:	91	Resp:	874426
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.019 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 505918

Ion Ratio Lower Upper

91 100

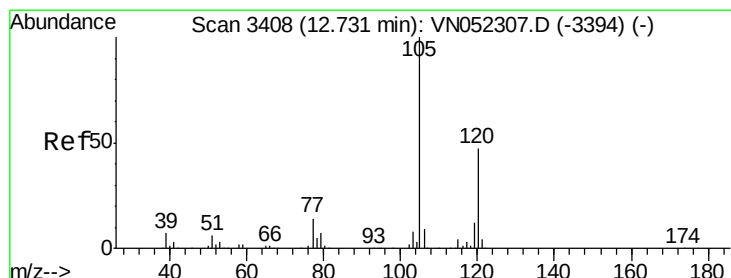
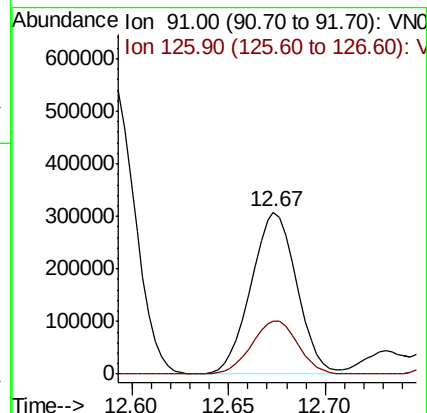
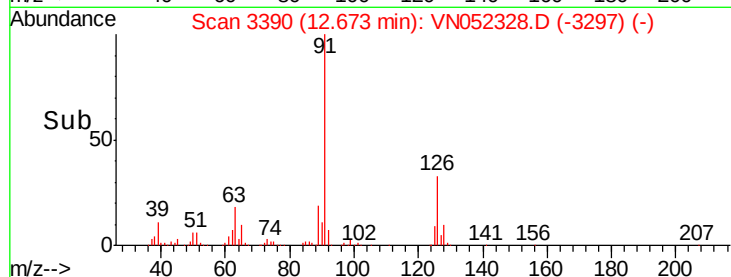
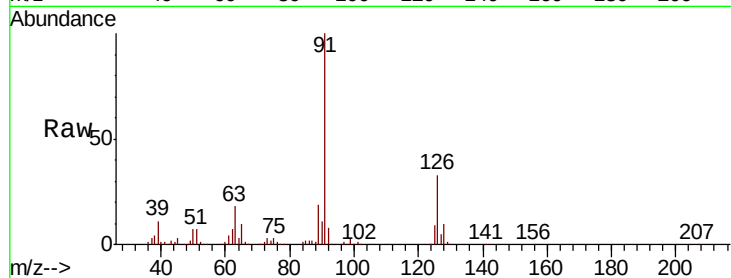
126 33.4 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 50.268 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052328.D

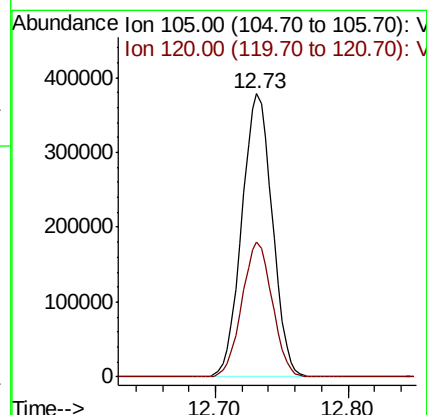
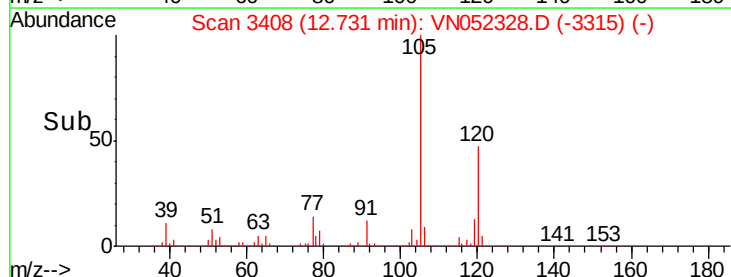
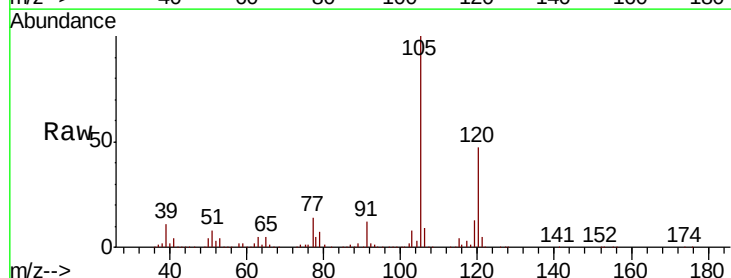
Acq: 14 Nov 2018 22:02

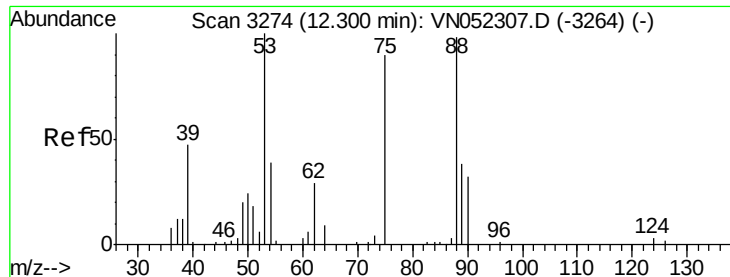
Tgt Ion: 105 Resp: 603872

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1





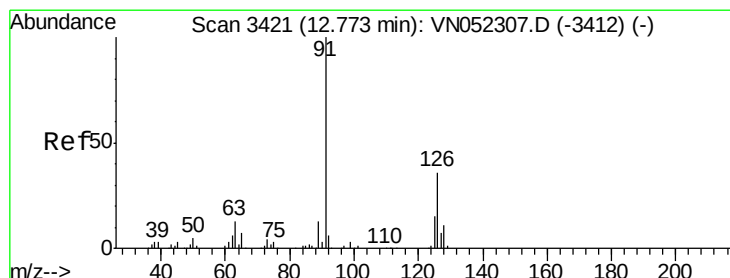
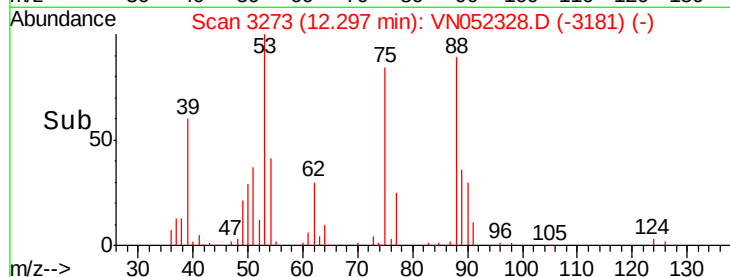
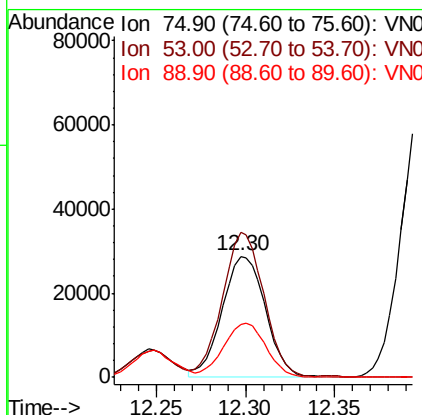
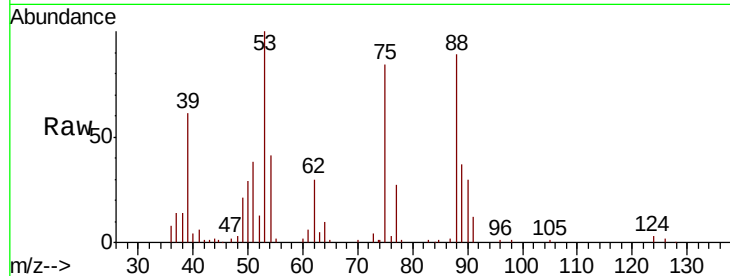
#81
trans-1,4-Dichloro-2-butene
Concen: 49.551 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.3	90.2	135.2
89	44.1	35.4	53.0

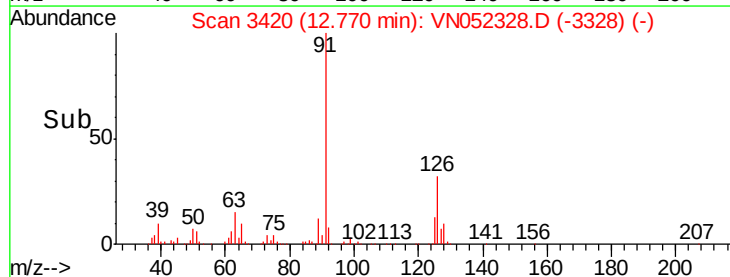
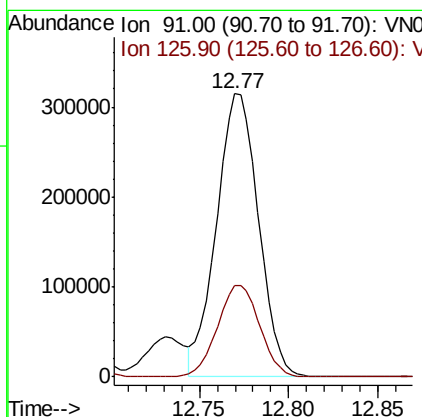
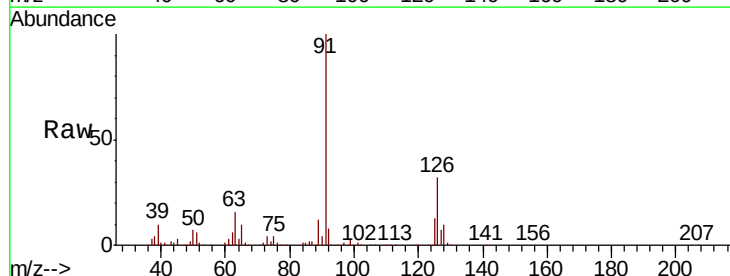
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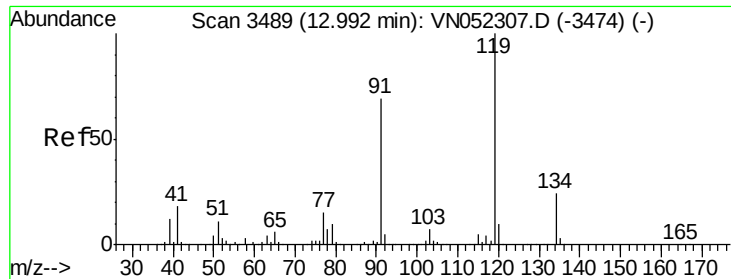
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#82
4-Chlorotoluene
Concen: 48.551 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.0	50.9





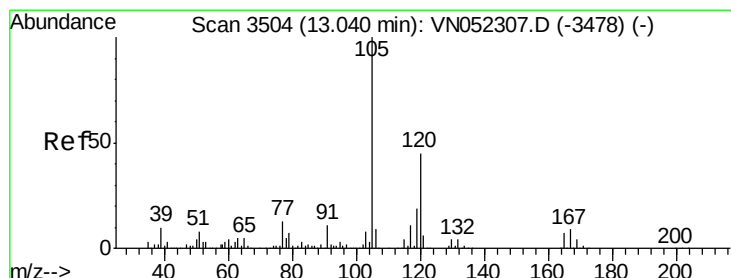
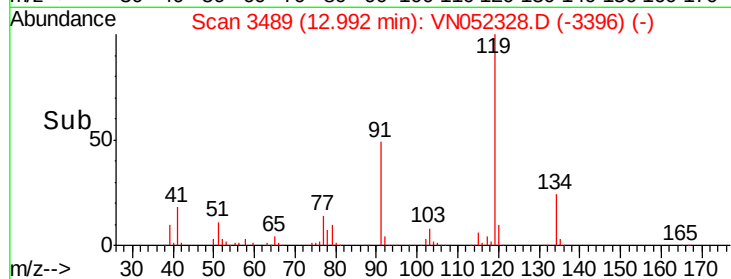
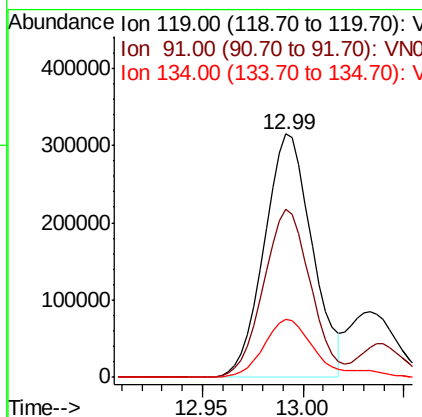
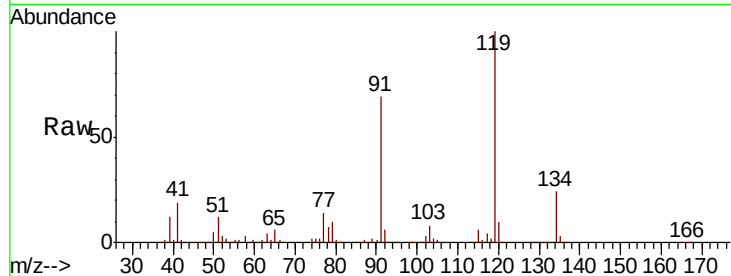
#83
tert-Butylbenzene
Concen: 48.947 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	33.8	101.3
134	26.1	11.9	35.9

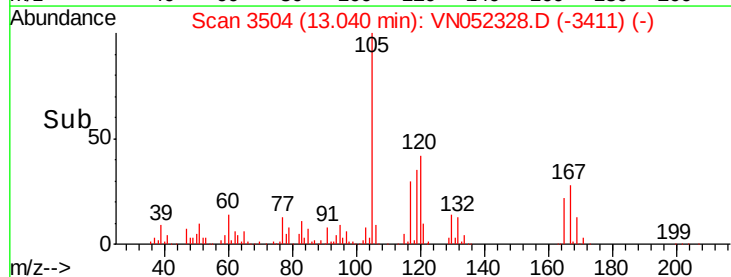
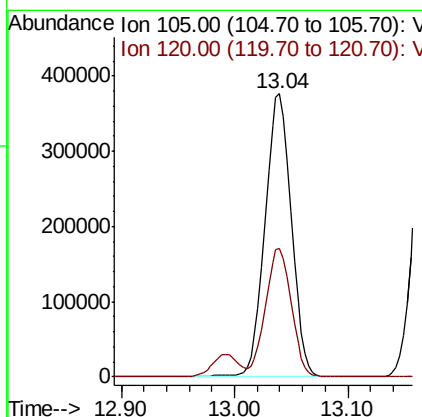
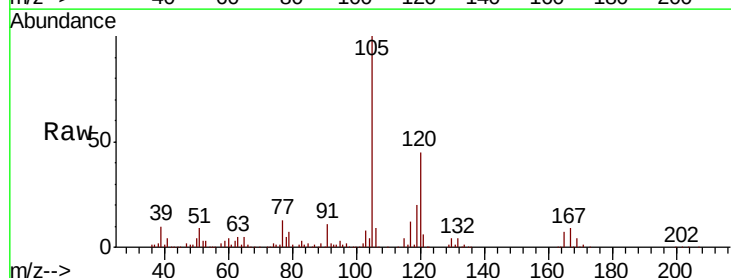
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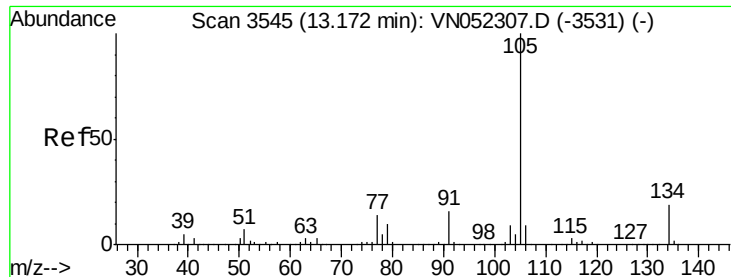
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#84
1,2,4-Trimethylbenzene
Concen: 50.323 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.5	67.5





#85

sec-Butylbenzene

Concen: 50.204 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 725318

Ion Ratio Lower Upper

105 100

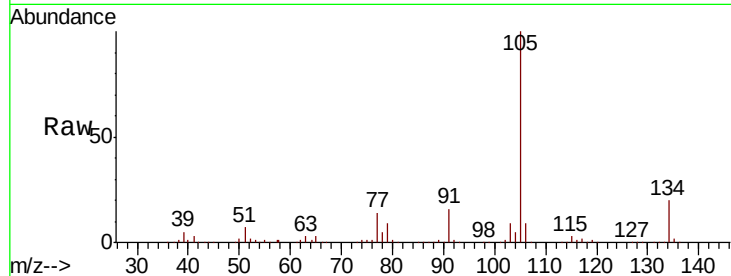
134 19.5 9.5 28.5

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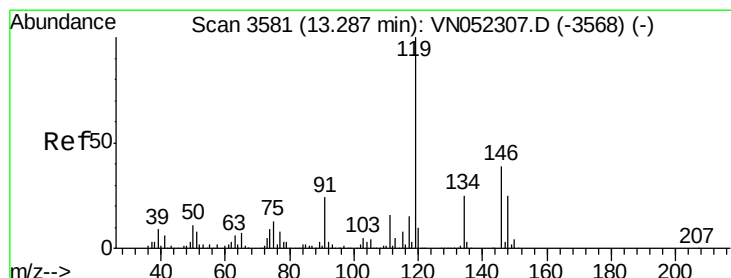
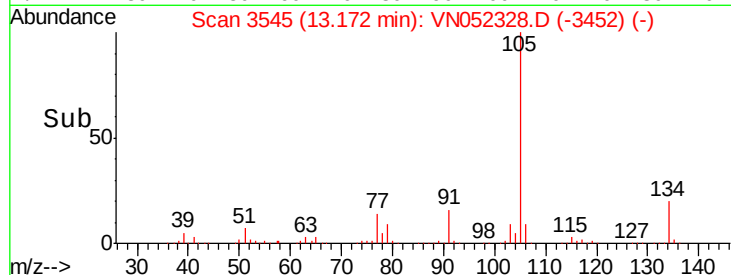
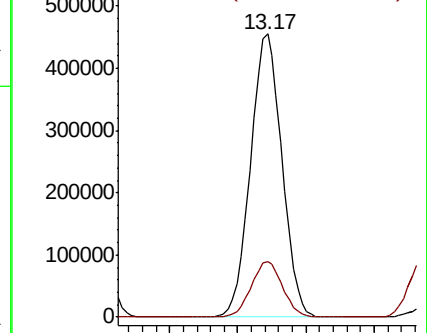
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.030 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

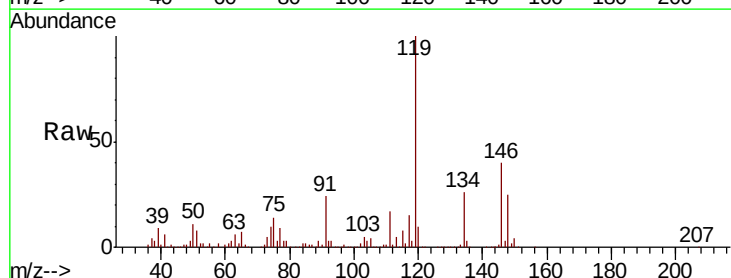
Tgt Ion:119 Resp: 612281

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

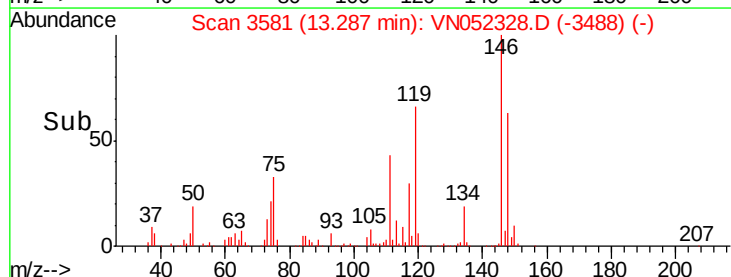
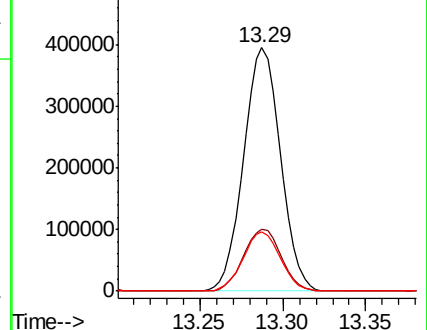
91 24.4 12.4 37.0

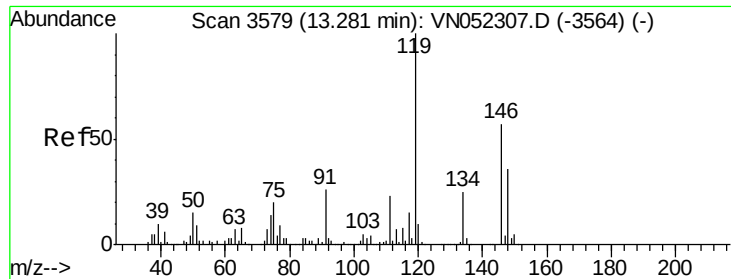


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





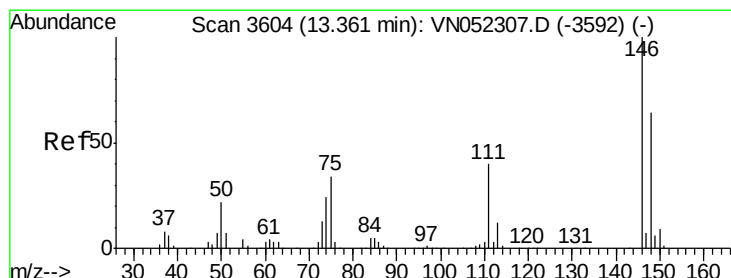
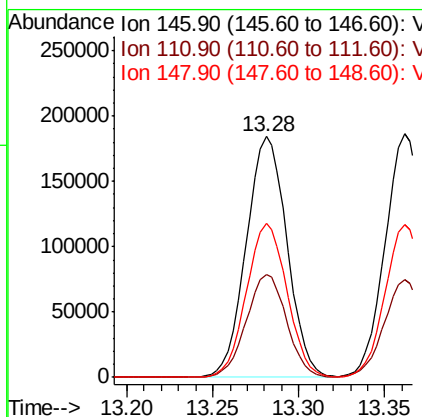
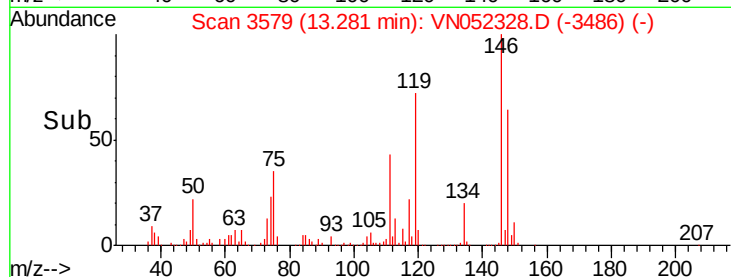
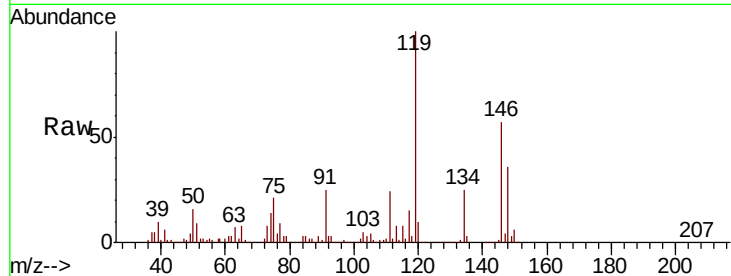
#87
 1,3-Dichlorobenzene
 Concen: 48.555 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.3	61.0
148	63.6	31.8	95.4

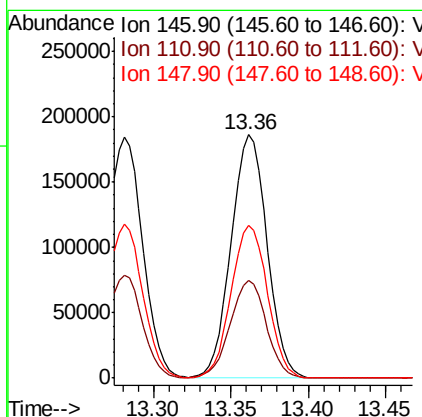
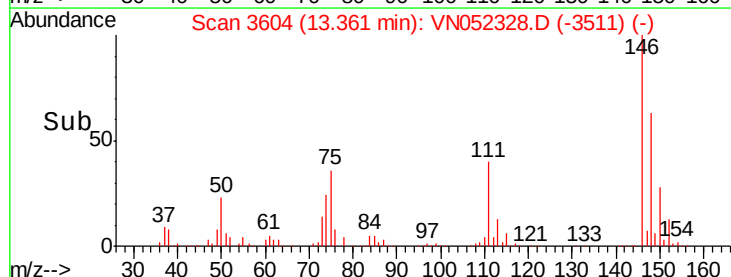
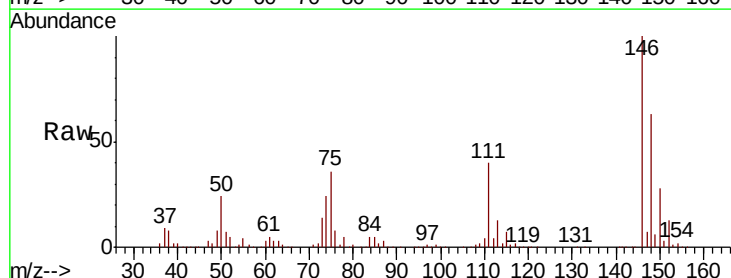
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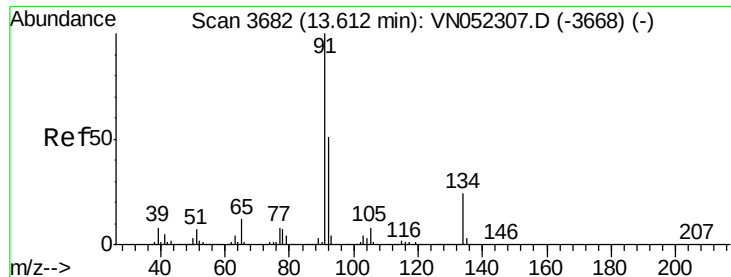
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#88
 1,4-Dichlorobenzene
 Concen: 48.502 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.8
148	63.4	32.4	97.2





#89

n-Butylbenzene

Concen: 51.392 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

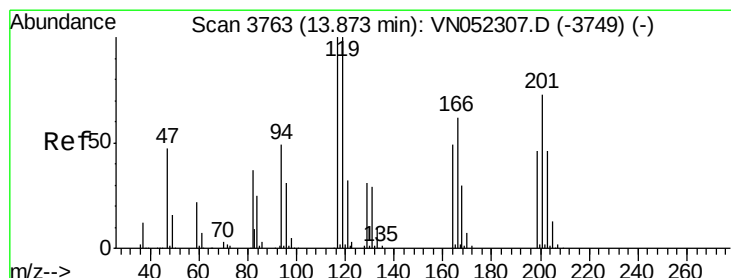
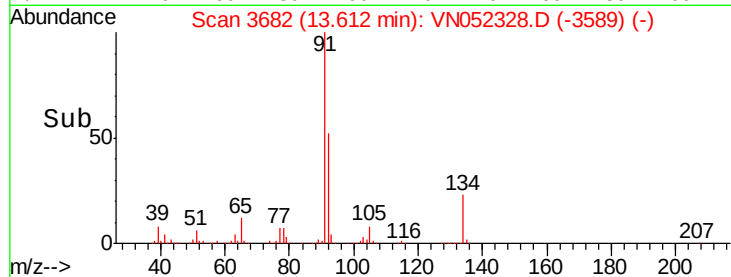
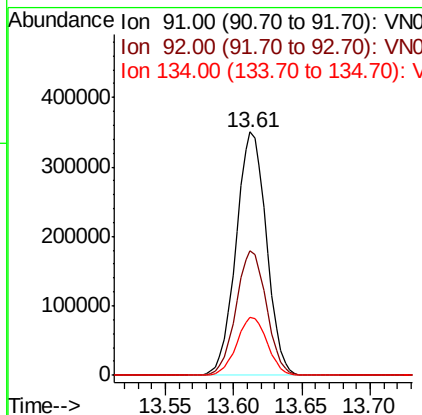
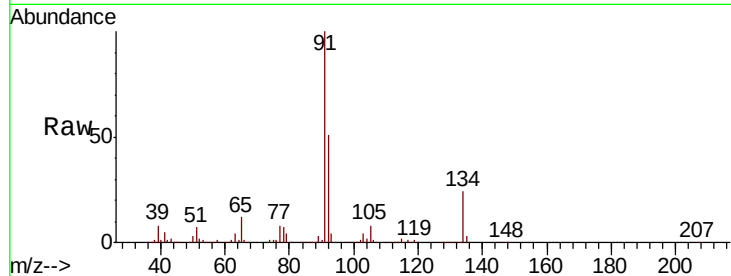
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	540176
Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.4	76.2
134	24.1	12.2	36.4

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#90

Hexachloroethane

Concen: 49.503 ug/l

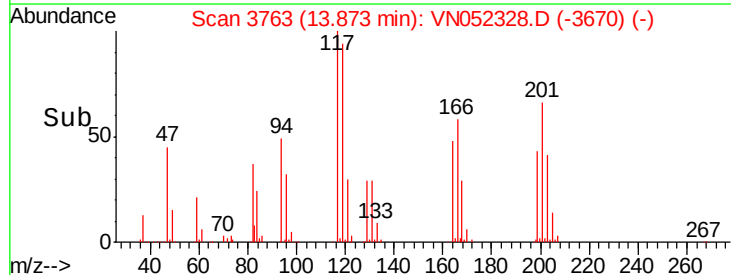
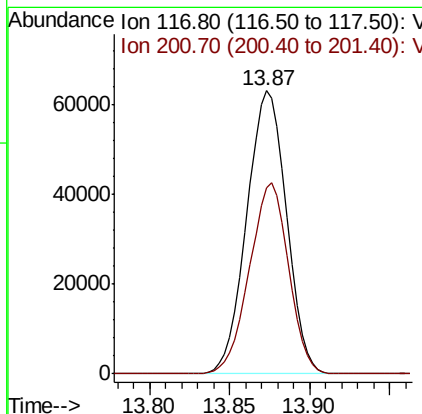
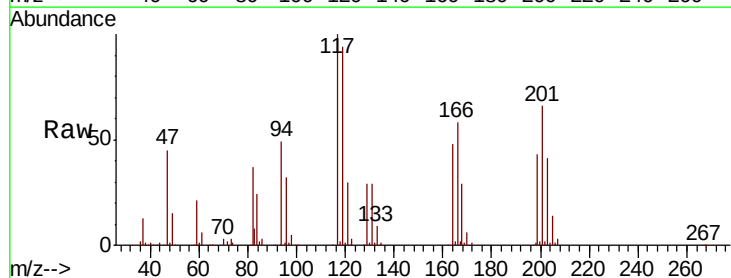
RT: 13.87 min Scan# 3763

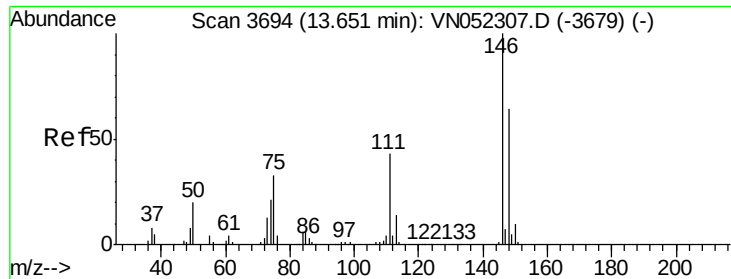
Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Tgt Ion:	117	Resp:	107303
Ion	Ratio	Lower	Upper
117	100		
201	66.7	35.3	105.9





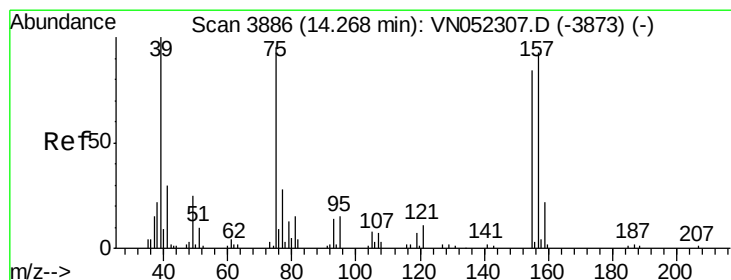
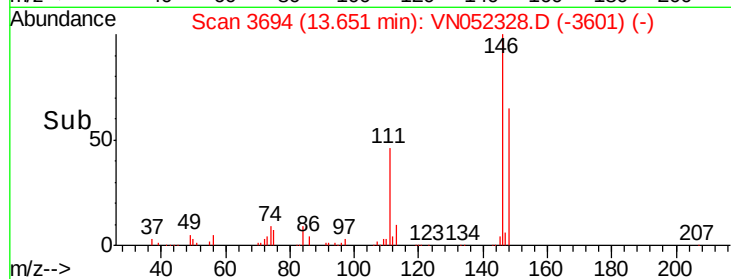
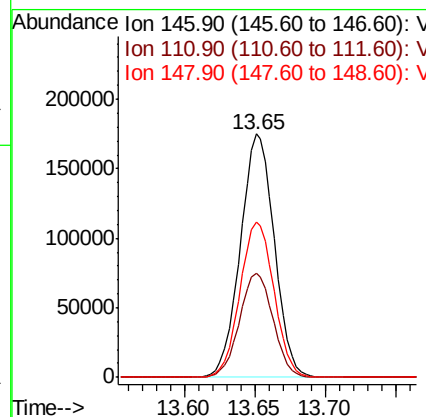
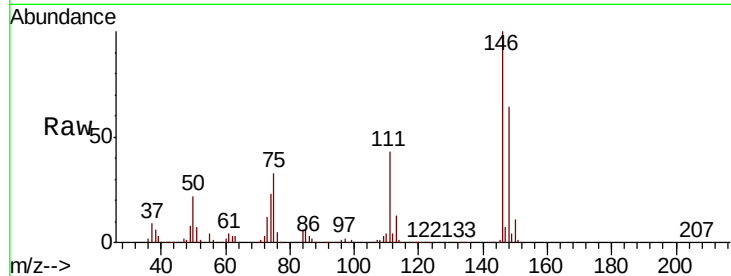
#91
 1,2-Dichlorobenzene
 Concen: 48.729 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.9
148	64.0	31.6	94.8

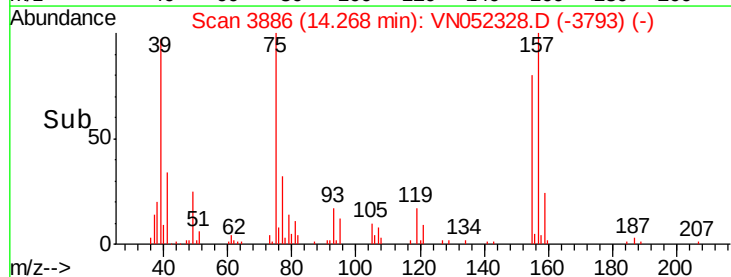
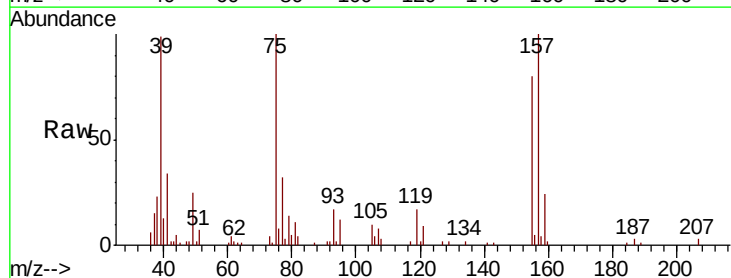
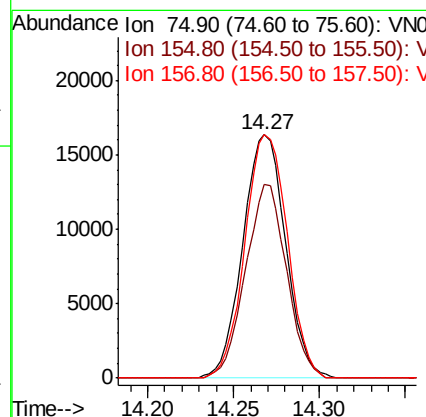
Manual Integrations
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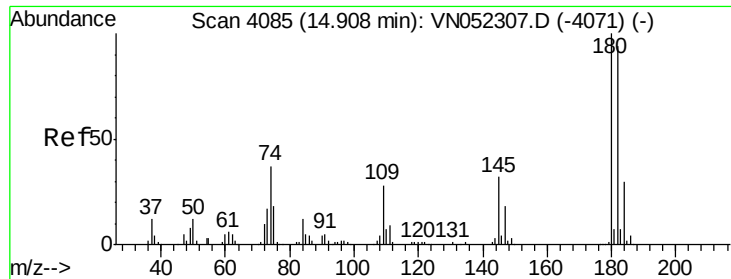
MMDadoda
 11/20/2018 2:53:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.477 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052328.D
 Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.1	42.4	127.3
157	99.1	49.6	149.0





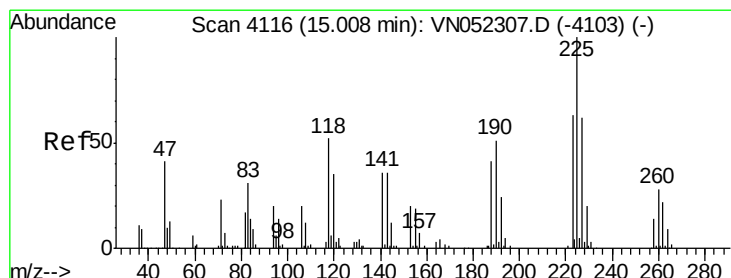
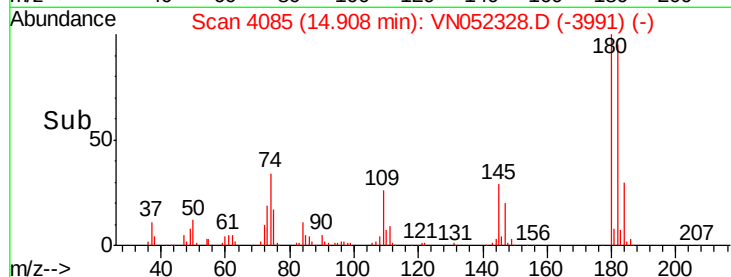
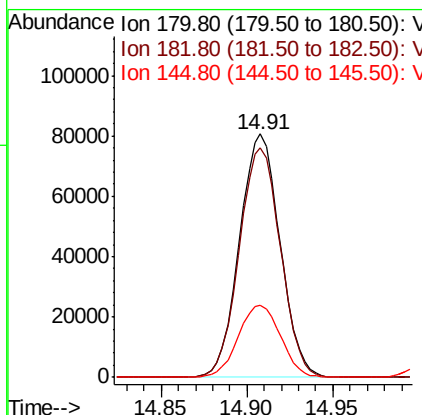
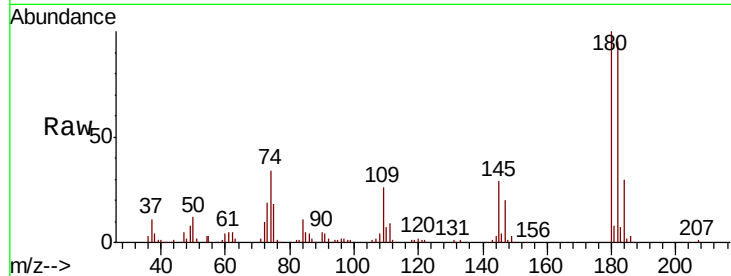
#93
1,2,4-Trichlorobenzene
Concen: 47.039 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.6	142.9
145	31.0	15.5	46.5

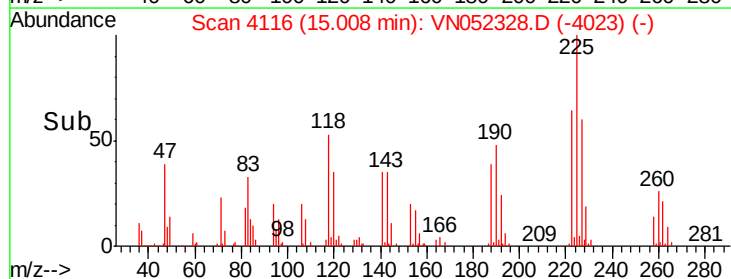
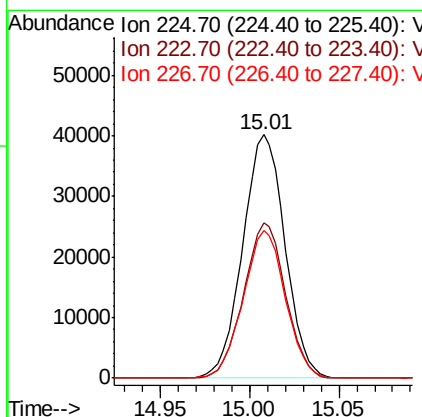
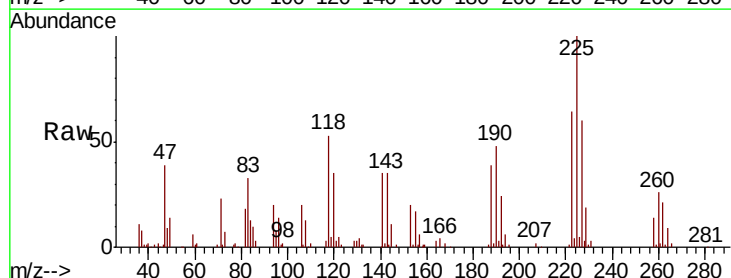
Manual Integrations
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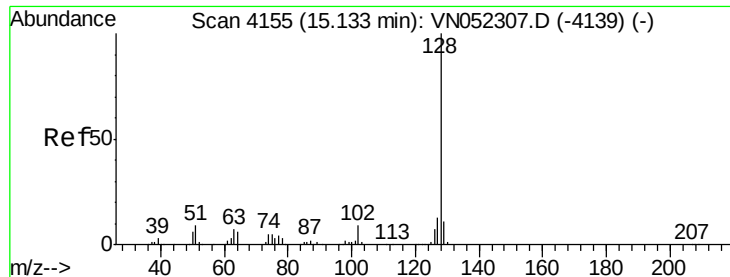
MMDadoda
11/20/2018 2:53:29 PM



#94
Hexachlorobutadiene
Concen: 47.976 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN052328.D
Acq: 14 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.5
227	60.5	31.6	95.0





#95

Naphthalene

Concen: 47.518 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Instrument :

MSVOA_N

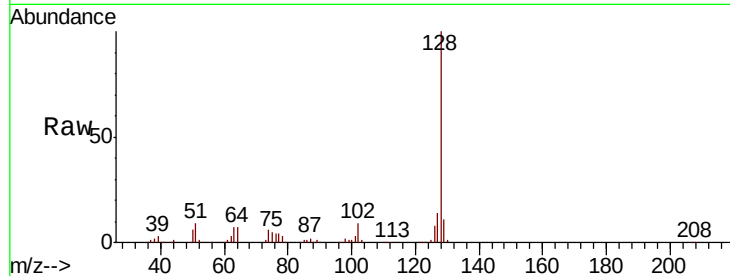
ClientSampleId :

VSTDCCC050EC

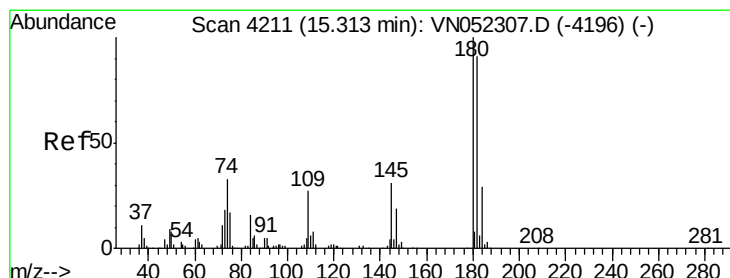
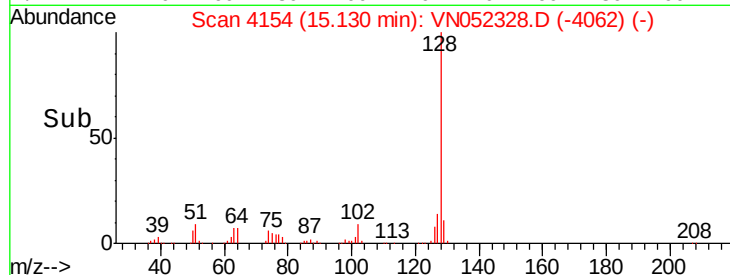
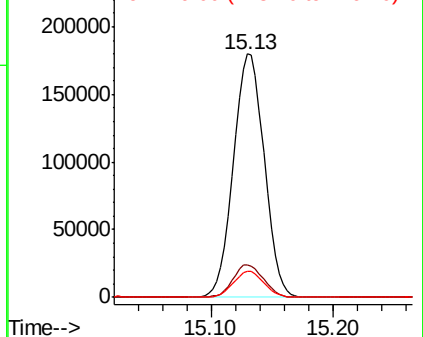
Tot Ion:	128	Resp:	315143
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.4	15.6
129	10.6	8.6	13.0

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



#96

1,2,3-Trichlorobenzene

Concen: 52.272 ug/l

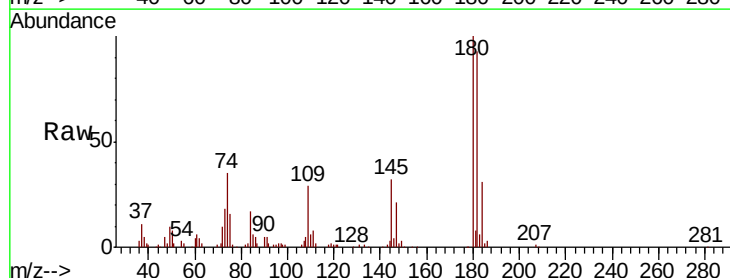
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052328.D

Acq: 14 Nov 2018 22:02

Tgt Ion:	180	Resp:	120125
Ion Ratio	Lower	Upper	
180	100		
182	93.2	46.5	139.3
145	33.1	16.4	49.2



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

