

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051047.D
 Acq On : 7 Sep 2018 12:24
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:53:18 AM

Quant Time: Sep 07 23:24:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	620792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	854694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	788343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	424698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	341074	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	7.59	113	326833	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.09	98	1228970	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	424324	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	459284	55.28	ug/l	99
3) Chloromethane	2.06	50	478172	46.66	ug/l	100
4) Vinyl Chloride	2.18	62	475268	48.96	ug/l	99
5) Bromomethane	2.54	94	247308	44.72	ug/l	99
6) Chloroethane	2.69	64	267461	47.69	ug/l	100
7) Trichlorofluoromethane	3.00	101	623196	50.14	ug/l	99
8) Diethyl Ether	3.41	74	222911	52.74	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	384795	49.55	ug/l	98
10) Methyl Iodide	3.95	142	294474	44.07	ug/l	100
11) Tert butyl alcohol	4.80	59	146236	307.28	ug/l	99
12) 1,1-Dichloroethene	3.73	96	351793	50.45	ug/l	97
13) Acrolein	3.61	56	67400	243.07	ug/l	100
14) Allyl chloride	4.32	41	551936	50.80	ug/l	98
15) Acrylonitrile	4.99	53	693847	286.88	ug/l	98
16) Acetone	3.82	43	538545	305.89	ug/l	98
17) Carbon Disulfide	4.05	76	1089206	46.60	ug/l	100
18) Methyl Acetate	4.33	43	398148	56.42	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	977334	55.73	ug/l	100
20) Methylene Chloride	4.55	84	397265	47.16	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	371659	49.28	ug/l	100
22) Diisopropyl ether	5.95	45	1109672	51.25	ug/l	97
23) Vinyl Acetate	5.90	43	3745226	268.59	ug/l	99
24) 1,1-Dichloroethane	5.85	63	664390	47.80	ug/l	100
25) 2-Butanone	6.84	43	818541	271.78	ug/l	99
26) 2,2-Dichloropropane	6.82	77	551731	49.40	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	411653	50.63	ug/l	99
28) Bromochloromethane	7.19	49	261176	44.22	ug/l	96
29) Tetrahydrofuran	7.21	42	517741	299.83	ug/l	98
30) Chloroform	7.37	83	663532	48.20	ug/l	99
31) Cyclohexane	7.65	56	618438	48.96	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	571794	48.36	ug/l	99
36) 1,1-Dichloropropene	7.79	75	519272	51.49	ug/l	99
37) Ethyl Acetate	6.93	43	338195	58.37	ug/l	99
38) Carbon Tetrachloride	7.77	117	516966	50.71	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	601186	55.10	ug/l	98
40) Benzene	8.04	78	1566652	51.51	ug/l	100
41) Methacrylonitrile	7.17	41	176423	56.27	ug/l	99
42) 1,2-Dichloroethane	8.12	62	464159	51.05	ug/l	99
43) Isopropyl Acetate	8.17	43	578204	58.04	ug/l	99
44) Trichloroethene	8.84	130	418278	52.15	ug/l	97
45) 1,2-Dichloropropane	9.12	63	402884	50.40	ug/l	98
46) Dibromomethane	9.21	93	245326	52.23	ug/l	97
47) Bromodichloromethane	9.40	83	506263	51.46	ug/l	98
48) Methyl methacrylate	9.20	41	298235	58.75	ug/l	98
49) 1,4-Dioxane	9.20	88	79375	1146.93	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1702845	286.46	ug/l	99
52) Toluene	10.16	92	973627	54.04	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	529558	54.08	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	607251	54.16	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	358100	53.55	ug/l	99
56) Ethyl methacrylate	10.43	69	464319	53.22	ug/l	99
57) 1,3-Dichloropropane	10.71	76	599353	54.30	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	906764	239.43	ug/l	98
59) 2-Hexanone	10.75	43	1197968	302.72	ug/l	98
60) Dibromochloromethane	10.90	129	406177	54.25	ug/l	99
61) 1,2-Dibromoethane	11.01	107	361547	55.91	ug/l	100
64) Tetrachloroethene	10.63	164	383342	51.20	ug/l	99
65) Chlorobenzene	11.43	112	1071199	51.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	391208	51.89	ug/l	98
67) Ethyl Benzene	11.51	91	1827306	54.55	ug/l	98
68) m/p-Xylenes	11.62	106	1437239	113.03	ug/l	99
69) o-Xylene	11.95	106	689892	56.44	ug/l	98
70) Styrene	11.96	104	1100869	51.07	ug/l	100
71) Bromoform	12.13	173	298108	57.50	ug/l #	99
73) Isopropylbenzene	12.25	105	1819151	51.73	ug/l	100
74) N-amyl acetate	12.07	43	494652	55.98	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	471525	56.45	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	375725m	50.51	ug/l	
77) Bromobenzene	12.53	156	473180	49.51	ug/l	98
78) n-propylbenzene	12.59	91	2065996	52.59	ug/l	99
79) 2-Chlorotoluene	12.67	91	1232627	50.37	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1512122	53.29	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124905	56.76	ug/l	99
82) 4-Chlorotoluene	12.77	91	1243904	51.49	ug/l	100
83) tert-Butylbenzene	12.99	119	1299646	52.89	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1540816	53.98	ug/l	99
85) sec-Butylbenzene	13.17	105	1731085	53.76	ug/l	100
86) p-Isopropyltoluene	13.29	119	1545425	56.32	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	830526	51.21	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	808379	50.64	ug/l	99
89) n-Butylbenzene	13.62	91	1231396	56.11	ug/l	99
90) Hexachloroethane	13.88	117	270920	51.80	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	807648	51.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71363	56.50	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	397656	48.95	ug/l	99
94) Hexachlorobutadiene	15.01	225	279835	60.57	ug/l	99
95) Naphthalene	15.13	128	807027	47.82	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	387938	50.78	ug/l	99

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

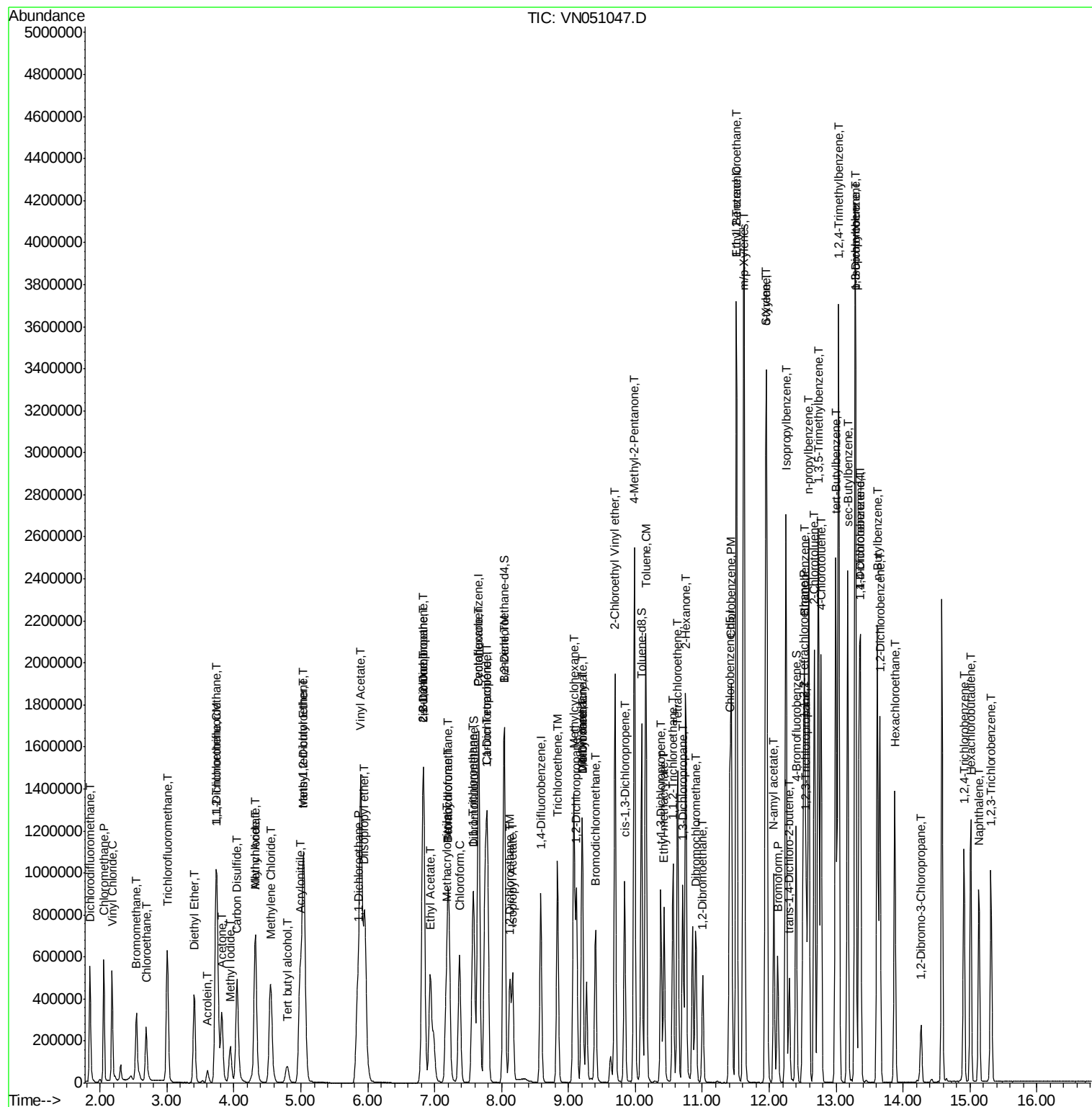
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 620792

Ion Ratio Lower Upper

168 100

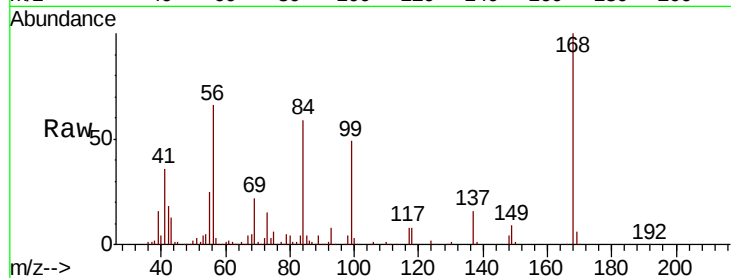
99 49.0 39.6 59.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

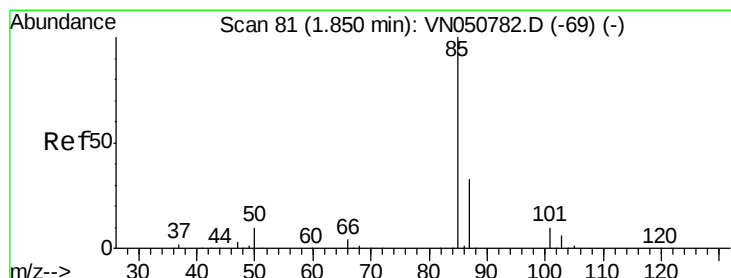
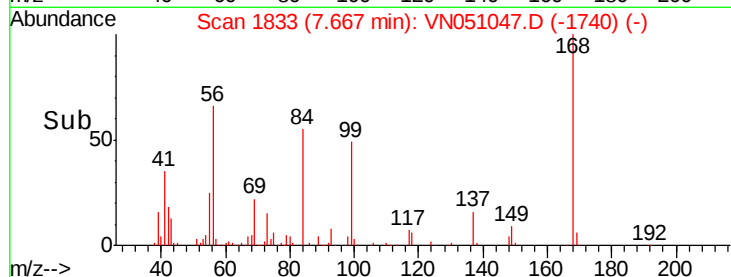
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 55.28 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN051047.D

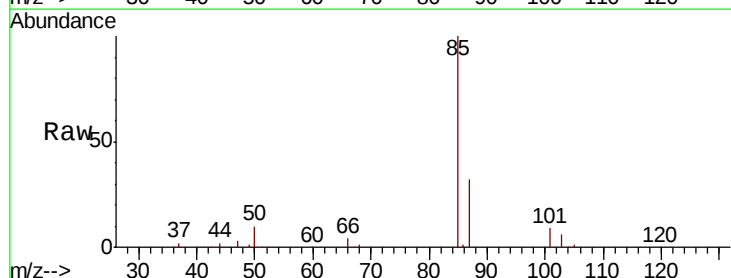
Acq: 7 Sep 2018 12:24

Tgt Ion: 85 Resp: 459284

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

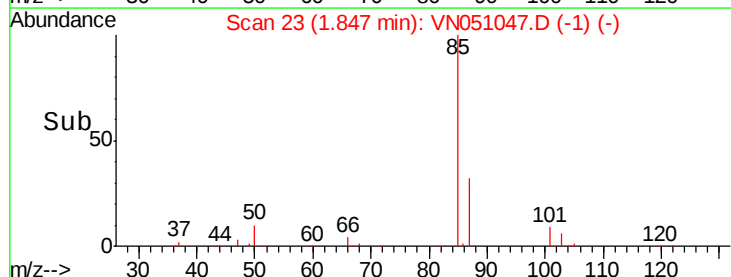
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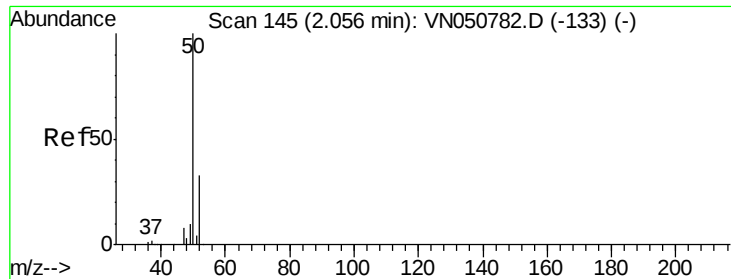
100000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 46.66 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Tot Ion: 50 Resp: 478172

Ion Ratio Lower Upper

50 100

52 33.1 26.3 39.5

Instrument :

MSVOA_N

ClientSampleId :

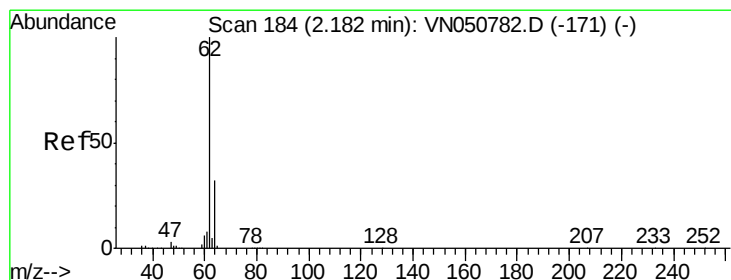
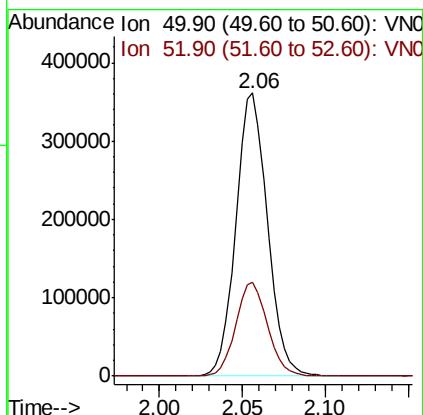
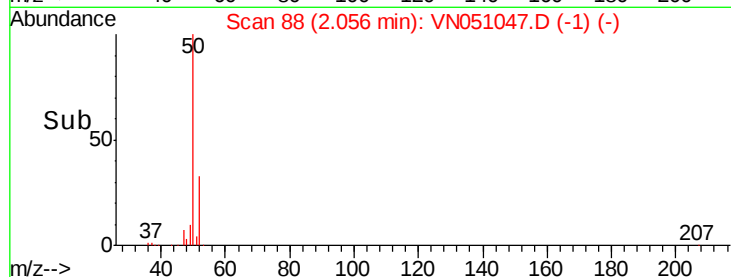
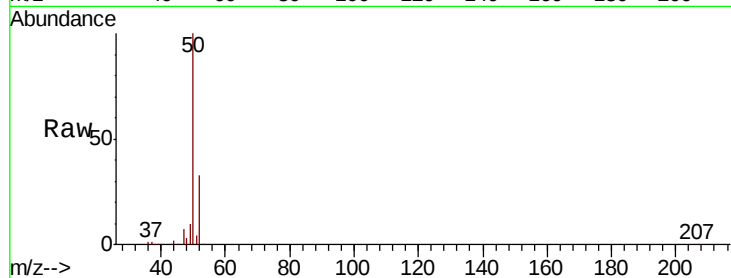
VSTDCCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.96 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN051047.D

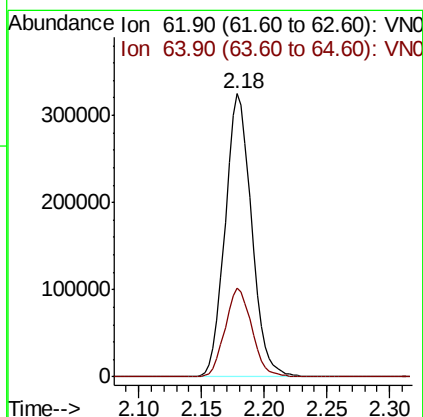
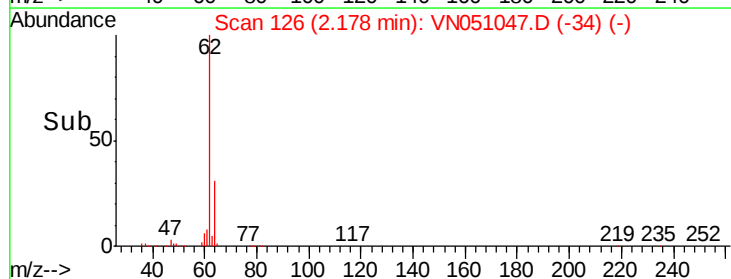
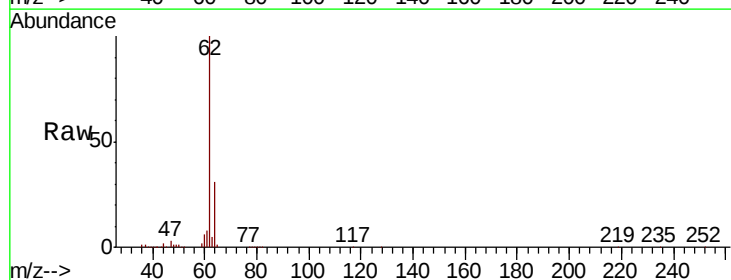
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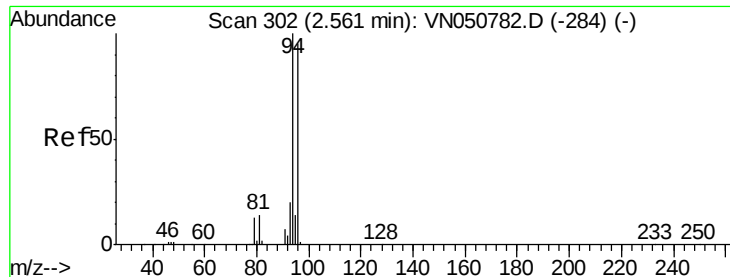
Tgt Ion: 62 Resp: 475268

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 44.72 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 247308

Ion Ratio Lower Upper

94 100

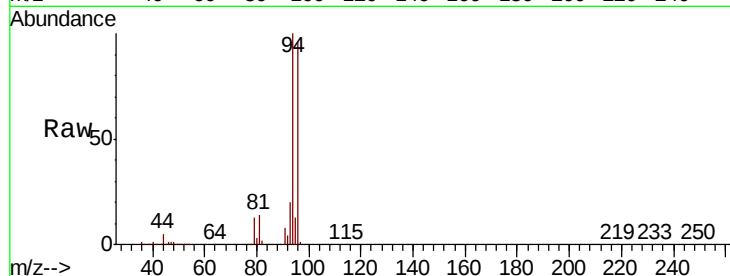
96 96.0 76.2 114.2

Manual Integrations

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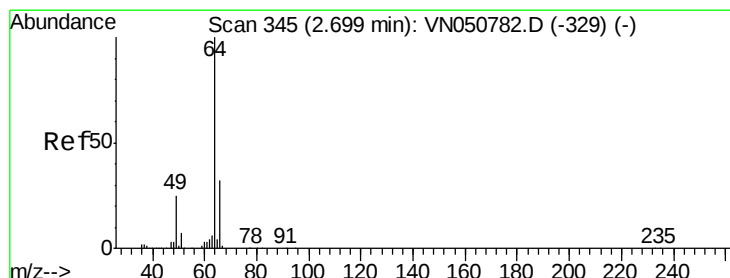
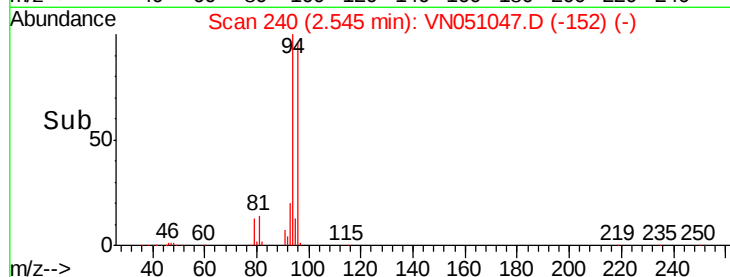
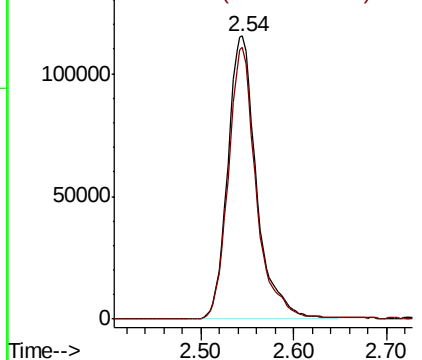
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.69 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN051047.D

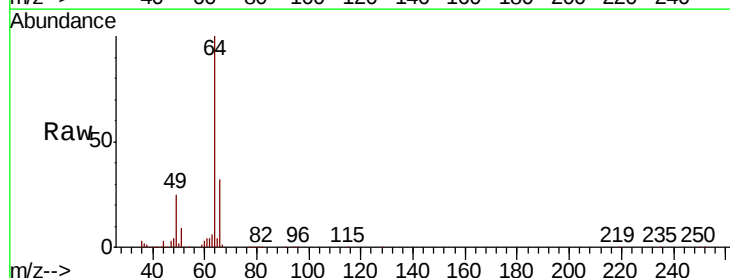
Acq: 7 Sep 2018 12:24

Tgt Ion: 64 Resp: 267461

Ion Ratio Lower Upper

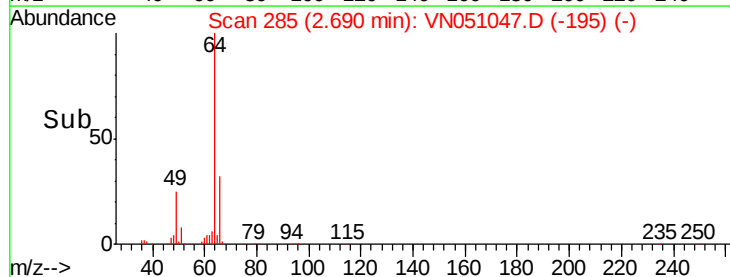
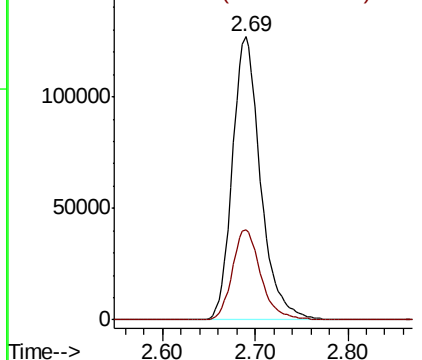
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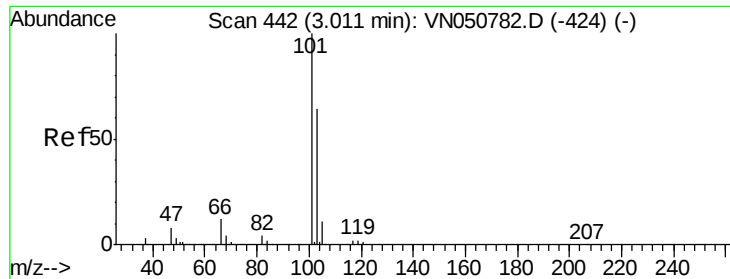
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

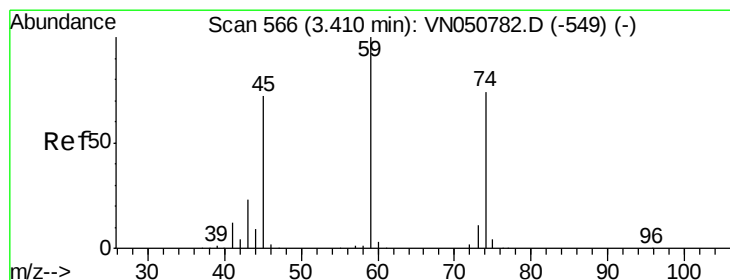
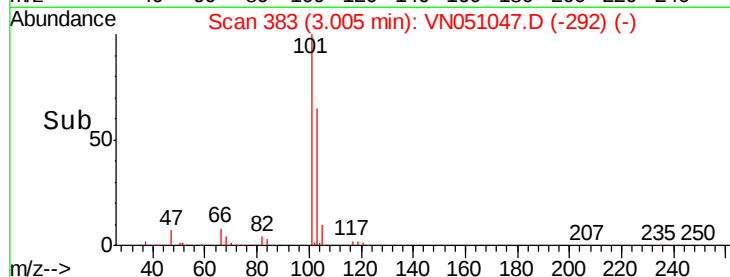
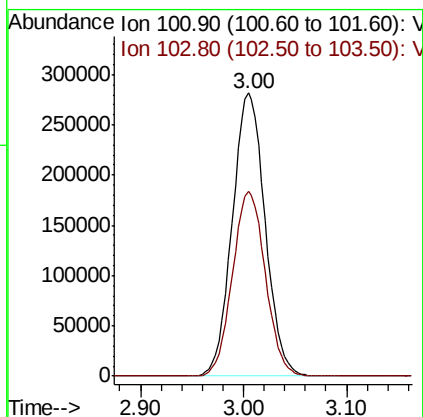
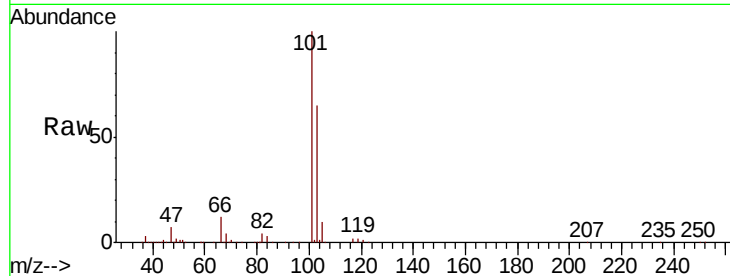
Trichlorofluoromethane
Concen: 50.14 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.6	77.4

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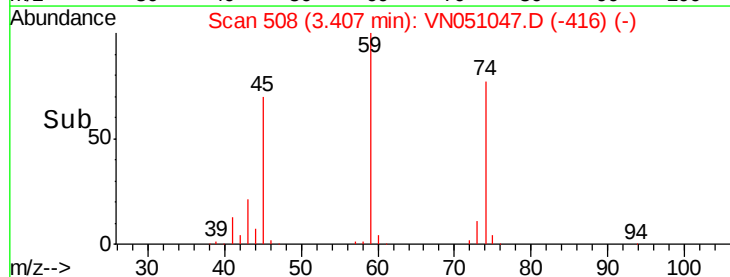
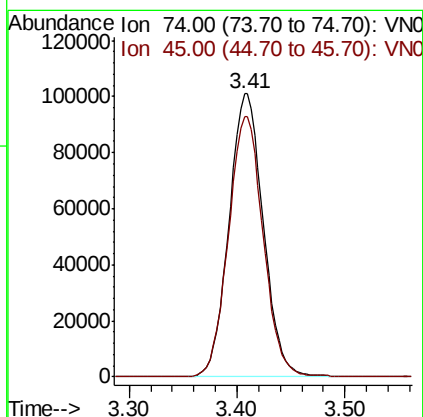
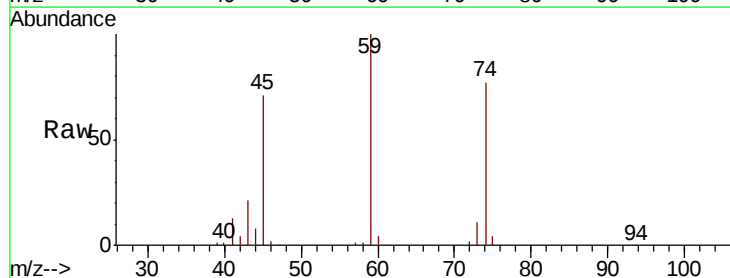
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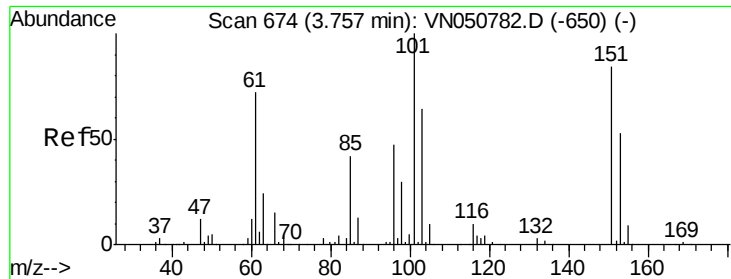


#8

Diethyl Ether
Concen: 52.74 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.55 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN051047.D

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MSVOA_N

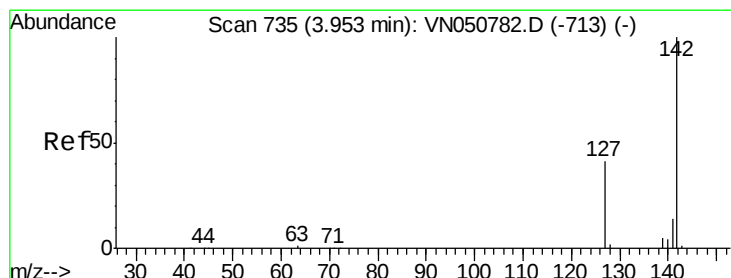
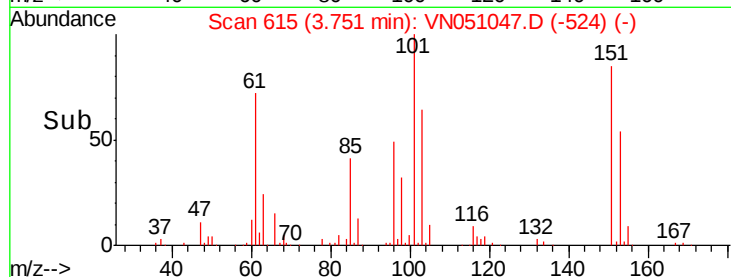
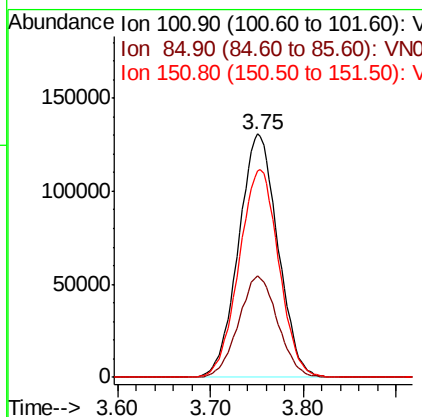
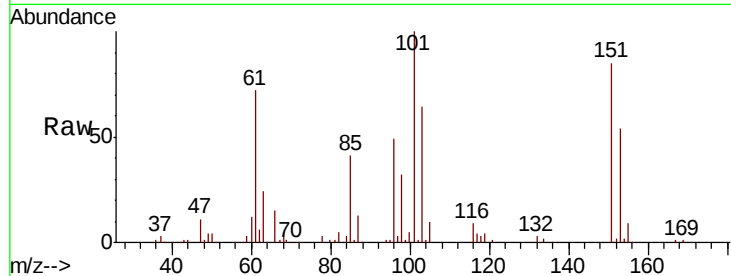
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	384795
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.7	50.5
151	86.4	67.4	101.2

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#10

Methyl Iodide

Concen: 44.07 ug/l

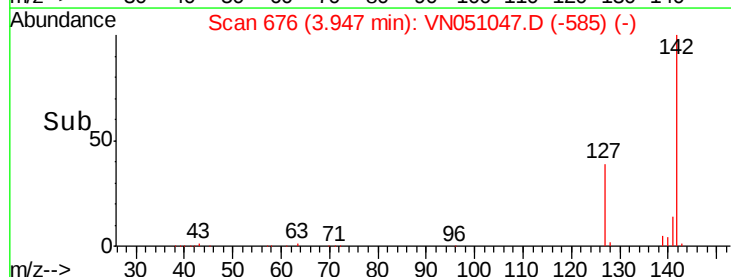
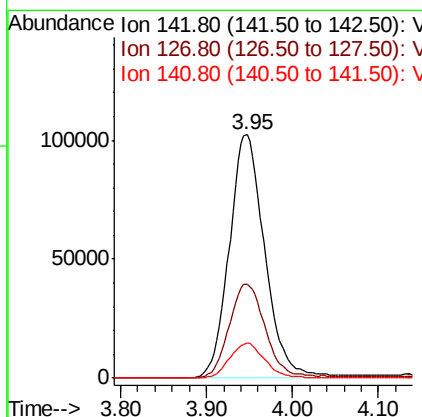
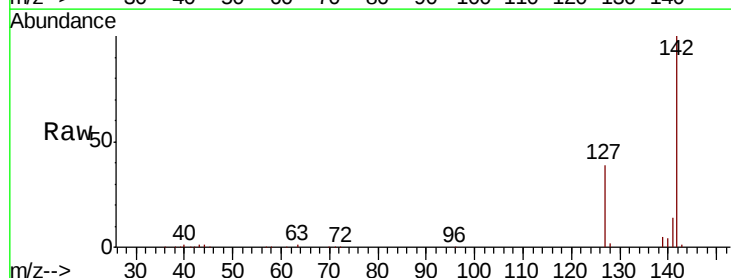
RT: 3.95 min Scan# 676

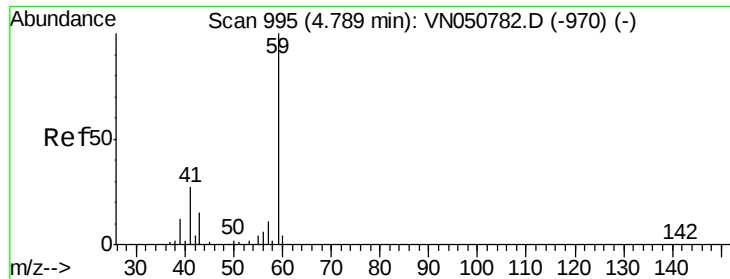
Delta R.T. -0.01 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Tgt Ion:	142	Resp:	294474
Ion Ratio	Lower	Upper	
142	100		
127	39.2	31.7	47.5
141	14.1	11.4	17.0





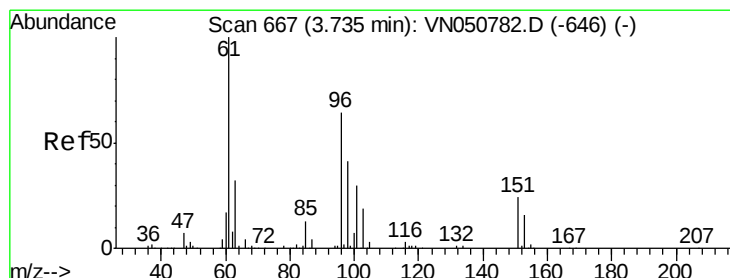
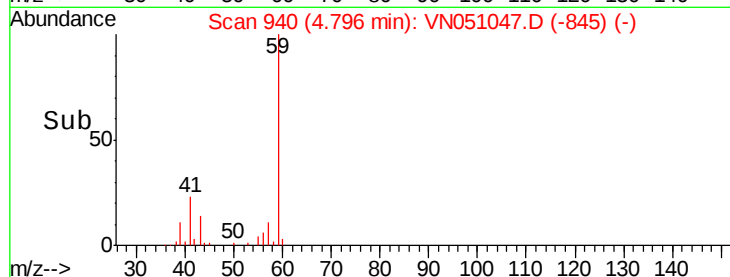
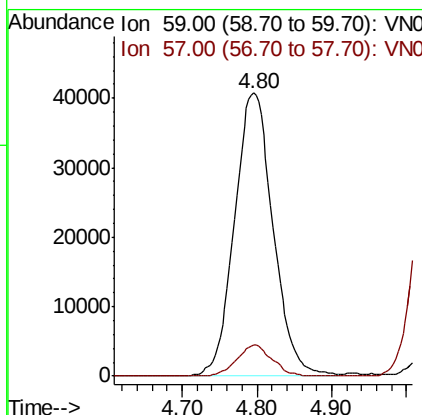
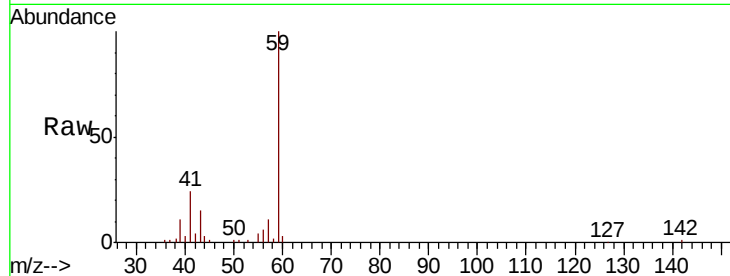
#11
Tert butyl alcohol
Concen: 307.28 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59.00	Resp	146236
Ion Ratio	100	Lower	Upper
59	100	8.3	12.5
57	10.0		

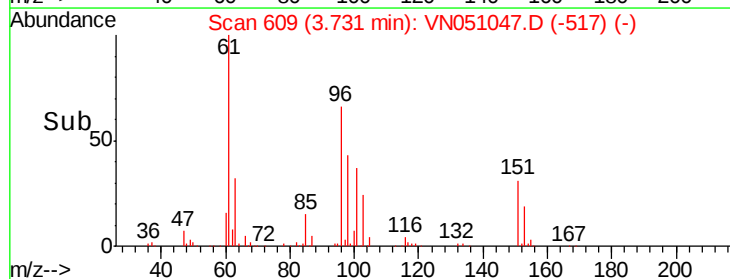
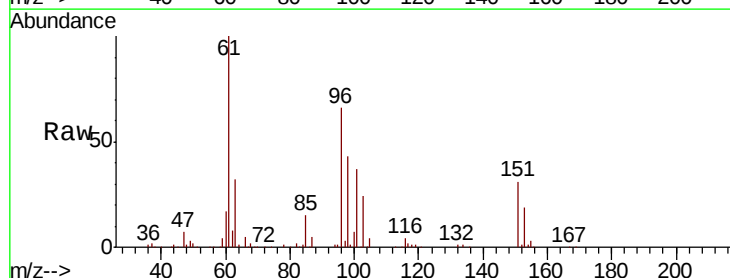
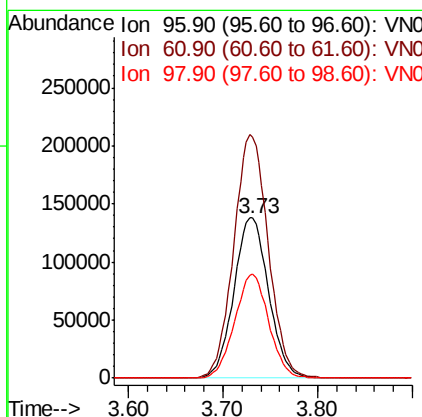
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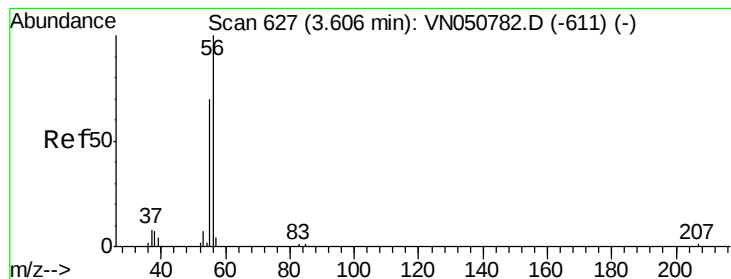
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.45 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	96	Resp	351793
Ion Ratio	100	Lower	Upper
96	100	124.9	187.3
61	150.9	51.1	76.7
98	65.0		





#13

Acrolein

Concen: 243.07 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 67400

Ion Ratio Lower Upper

56 100

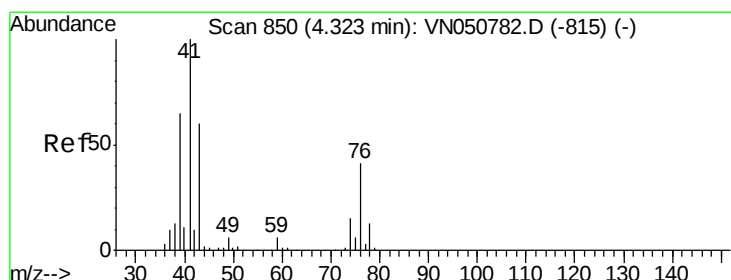
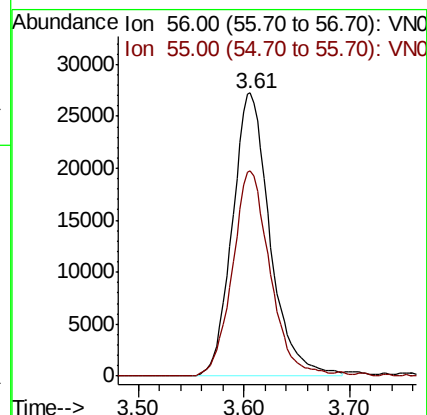
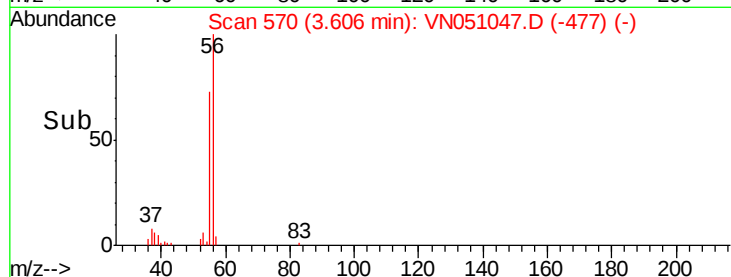
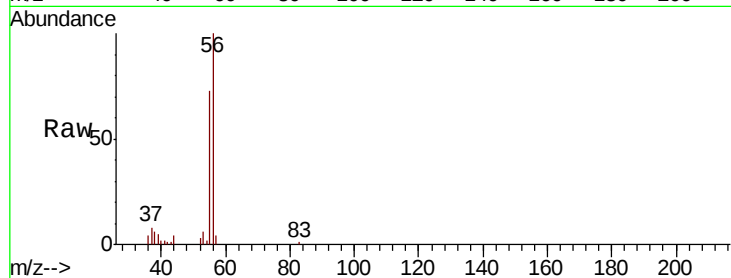
55 72.3 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 50.80 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

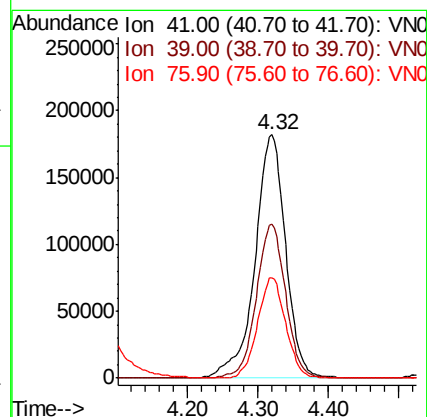
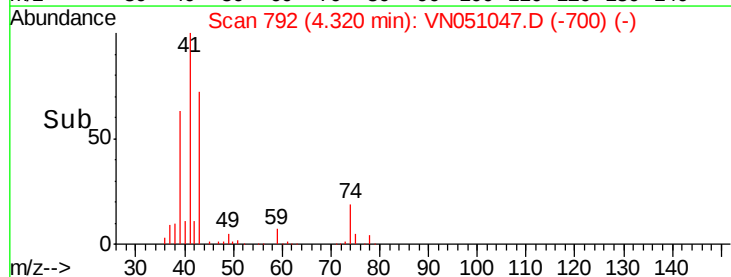
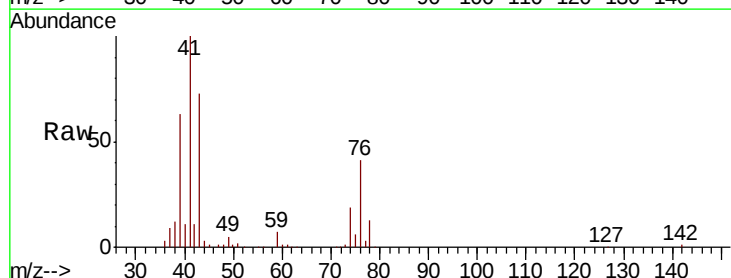
Tgt Ion: 41 Resp: 551936

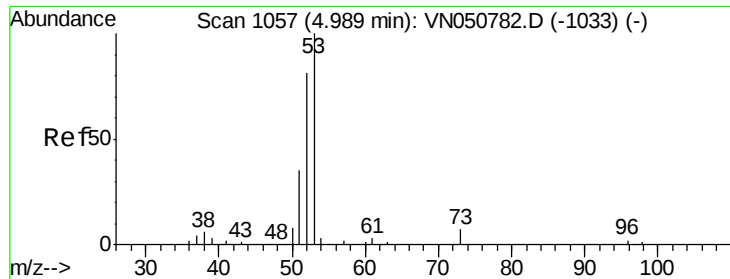
Ion Ratio Lower Upper

41 100

39 60.6 50.2 75.2

76 37.5 29.8 44.8





#15

Acrylonitrile

Concen: 286.88 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

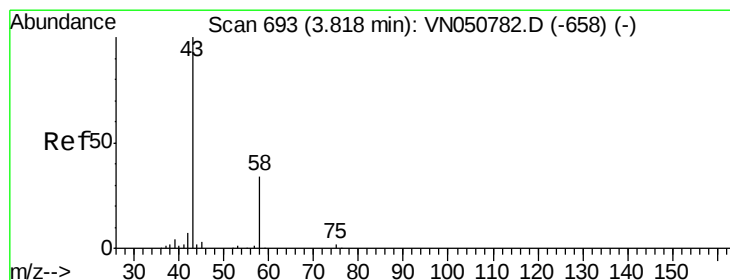
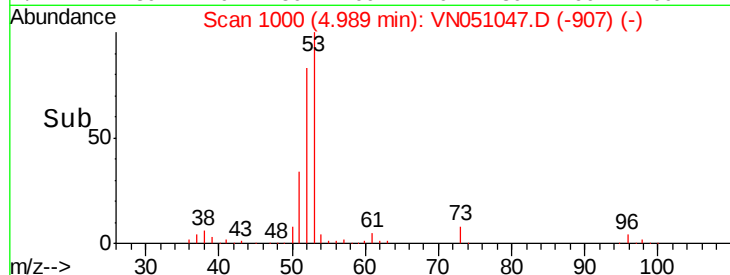
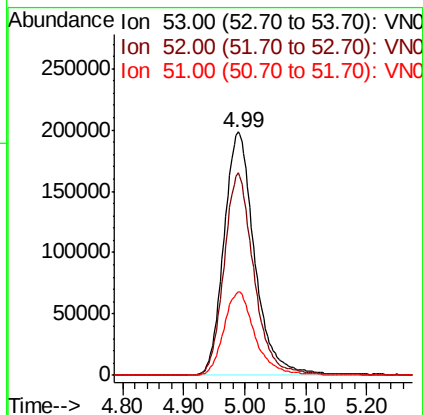
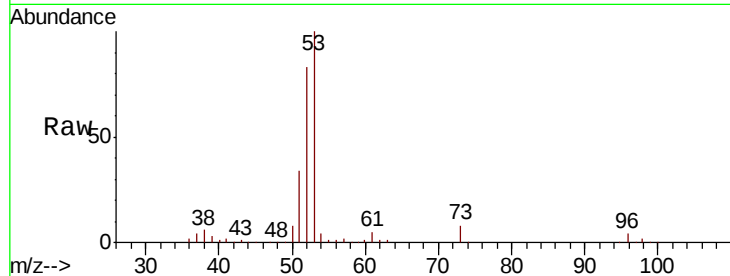
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	693847
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.9	98.9
51	34.8	28.6	43.0

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#16

Acetone

Concen: 305.89 ug/l

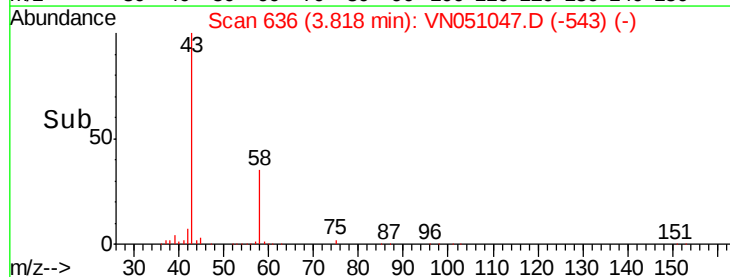
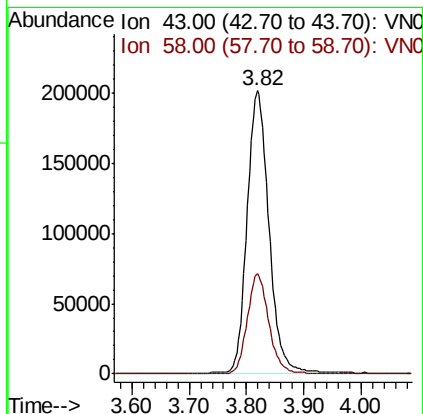
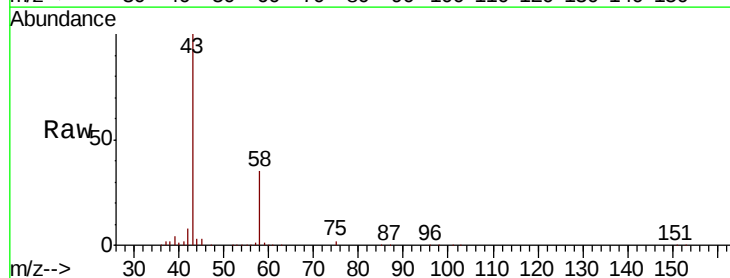
RT: 3.82 min Scan# 636

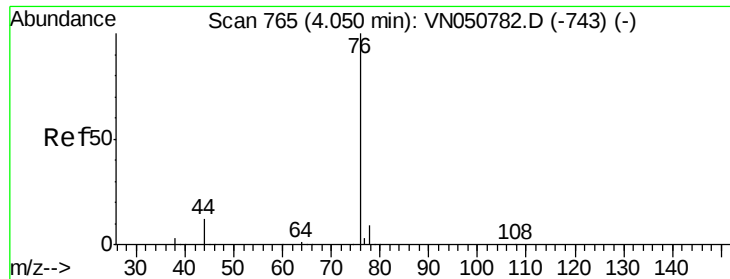
Delta R.T. 0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Tgt Ion:	43	Resp:	538545
Ion Ratio	Lower	Upper	
43	100		
58	35.1	27.2	40.8





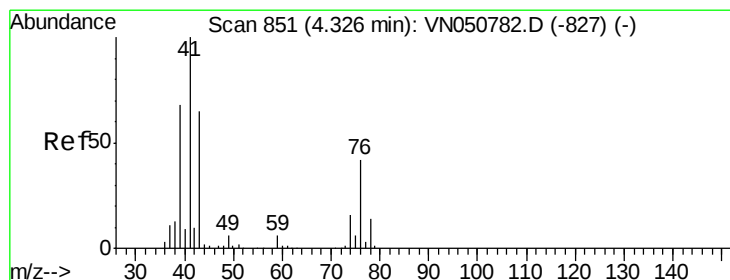
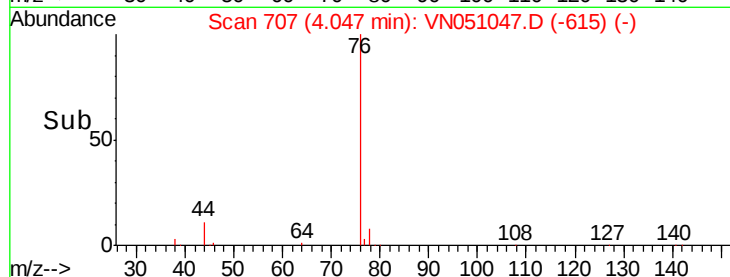
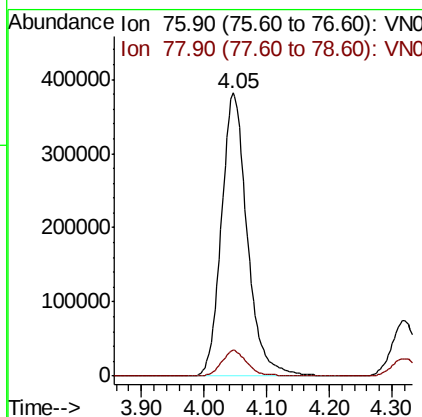
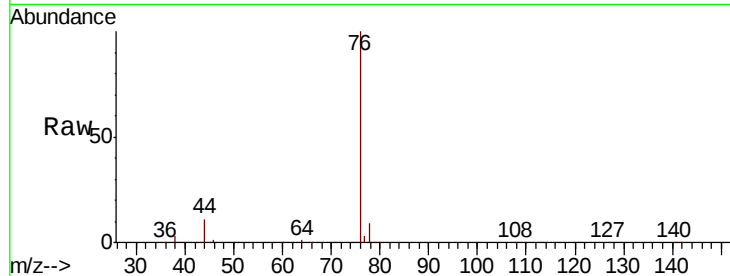
#17
Carbon Disulfide
Concen: 46.60 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1089206
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

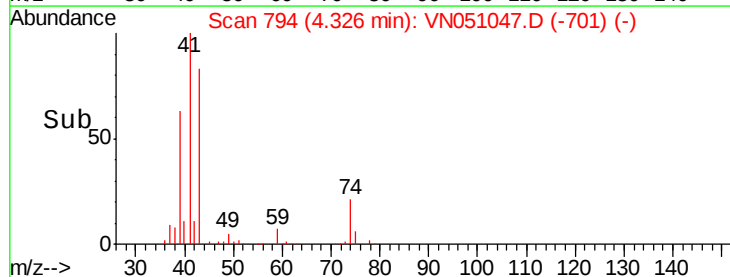
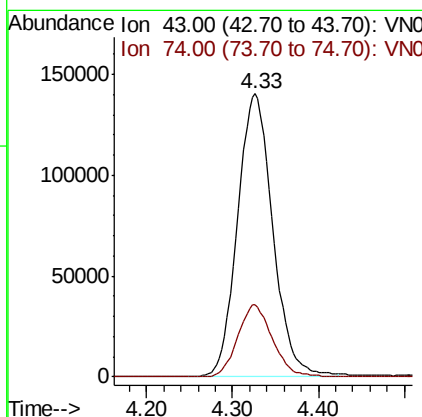
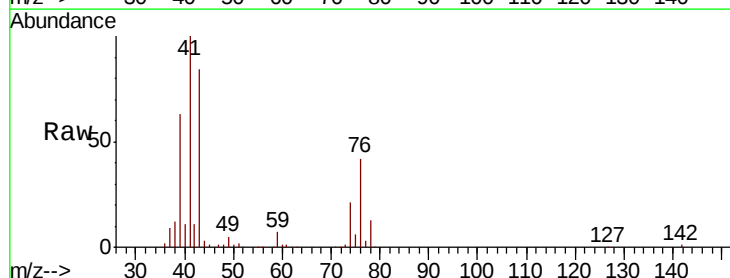
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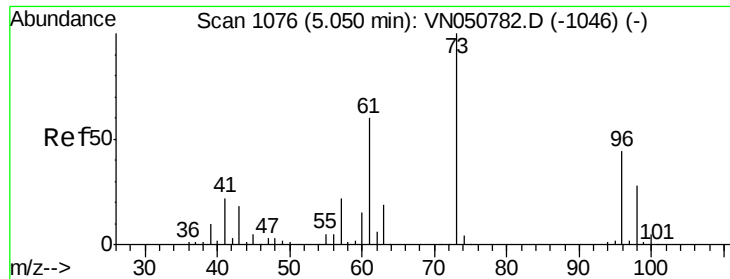
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#18
Methyl Acetate
Concen: 56.42 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion: 43 Resp: 398148
Ion Ratio Lower Upper
43 100
74 25.2 19.8 29.8





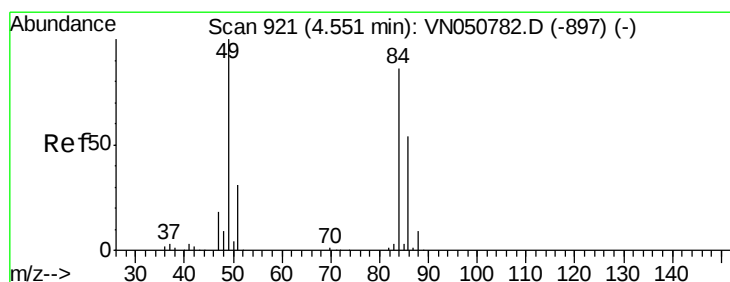
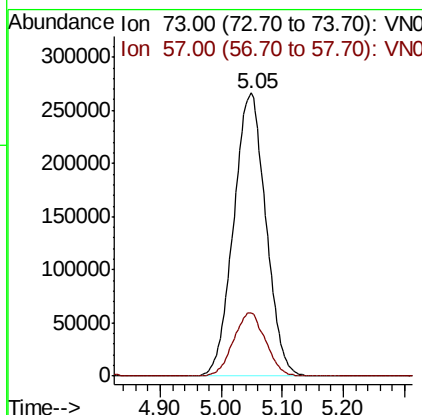
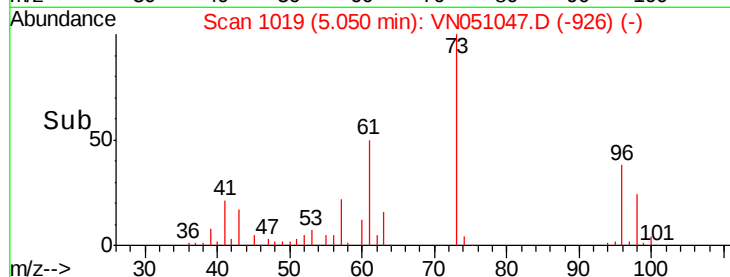
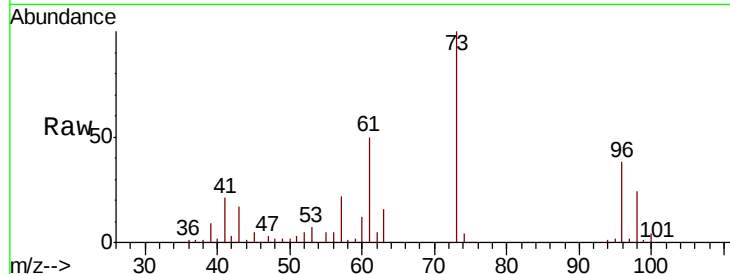
#19
Methvl tert-butvl Ether
Concen: 55.73 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 977334
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

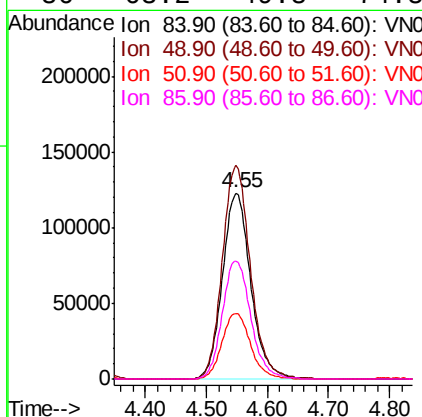
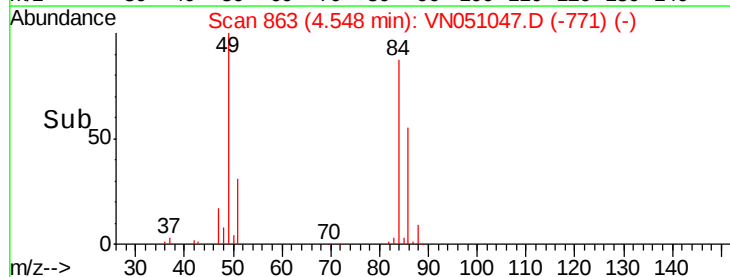
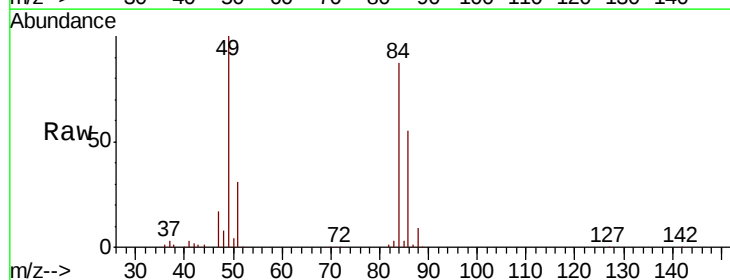
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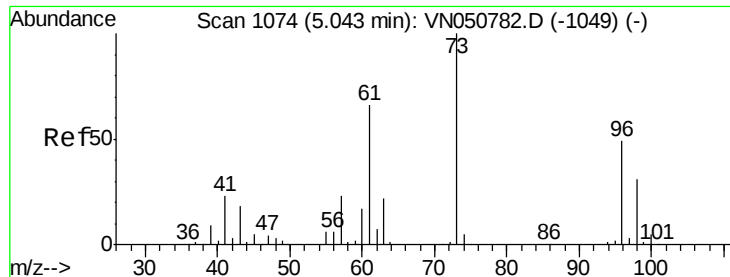
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#20
Methylene Chloride
Concen: 47.16 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion: 84 Resp: 397265
Ion Ratio Lower Upper
84 100
49 114.7 93.2 139.8
51 35.2 29.0 43.6
86 63.2 49.8 74.8





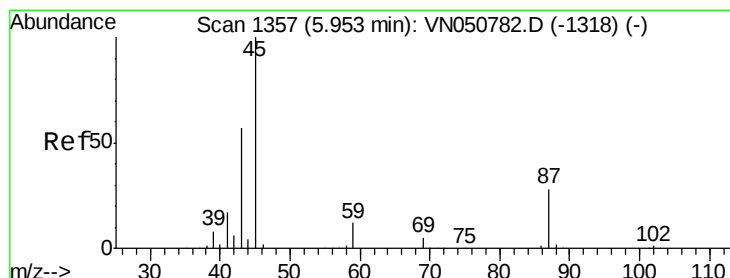
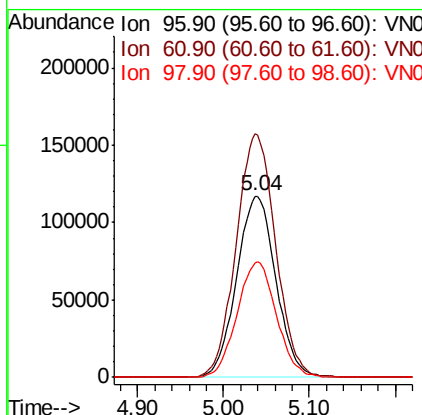
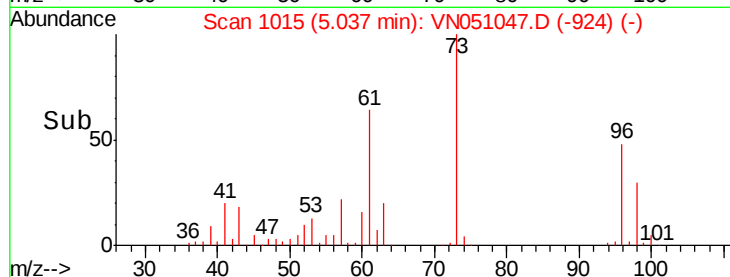
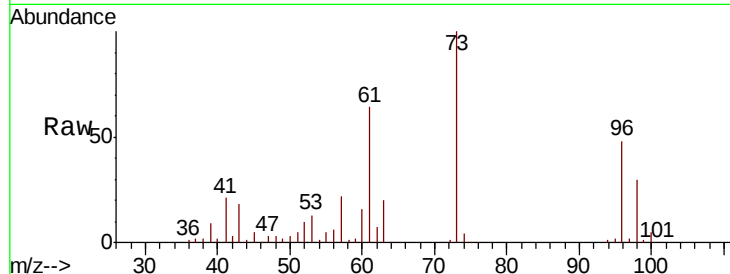
#21
trans-1,2-Dichloroethene
Concen: 49.28 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	107.4	161.0
98	62.9	50.7	76.1

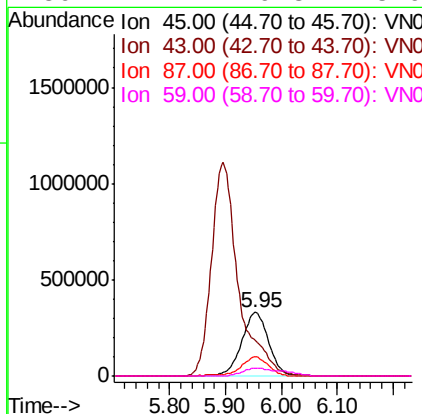
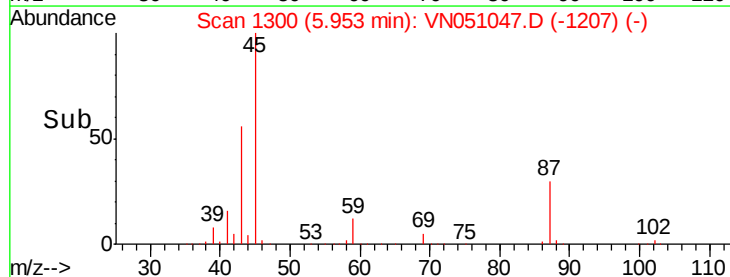
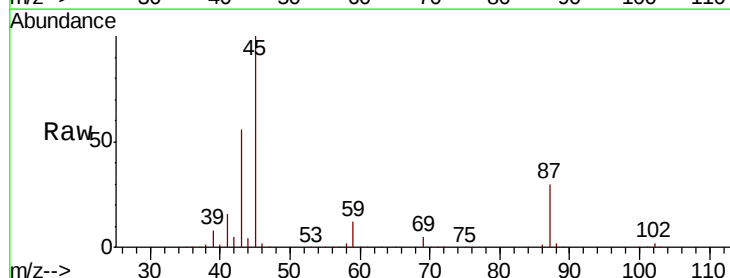
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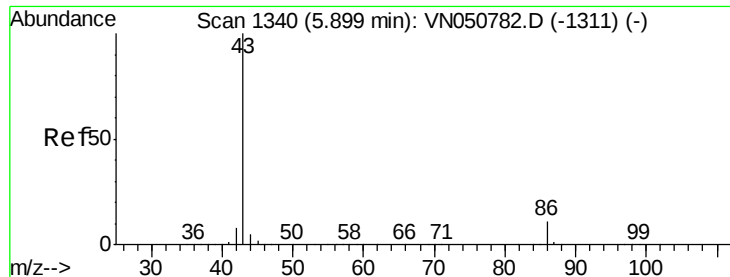
MMDadoda
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#22
Diisopropyl ether
Concen: 51.25 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.9	45.9	68.9
87	29.8	22.7	34.1
59	12.1	9.3	13.9





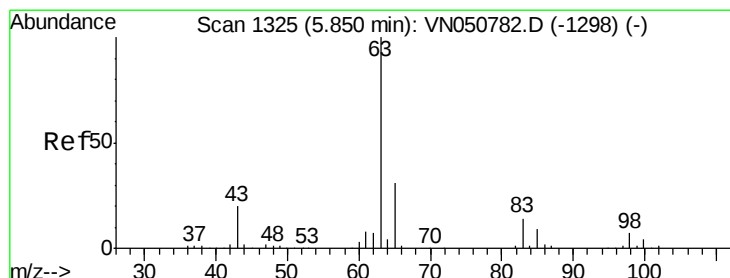
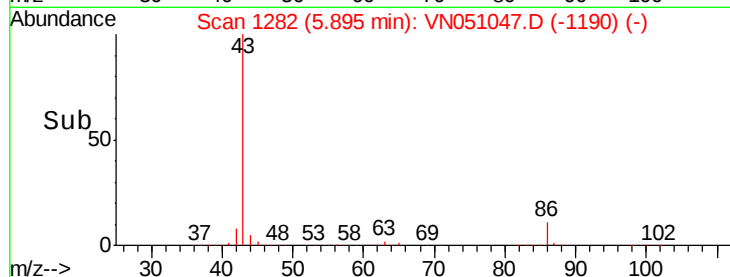
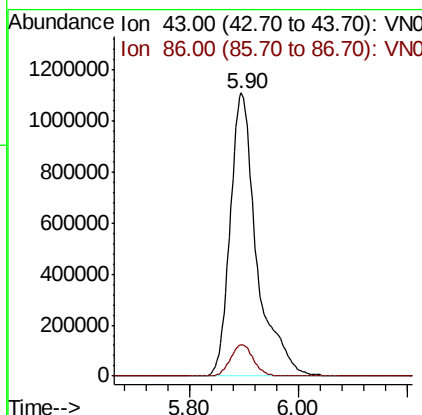
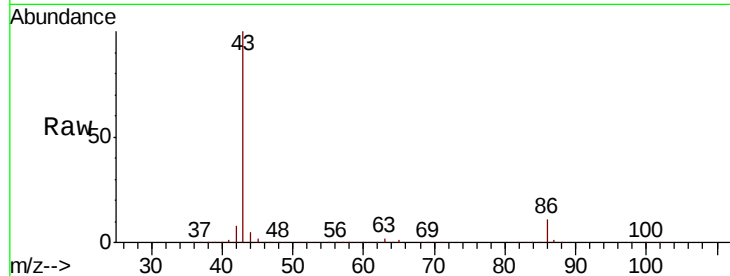
#23
 Vinyl Acetate
 Concen: 268.59 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3745226
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.7 13.1

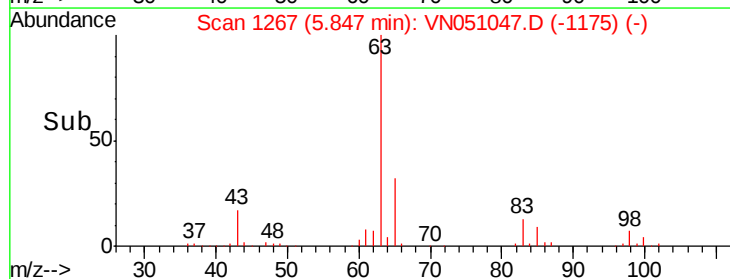
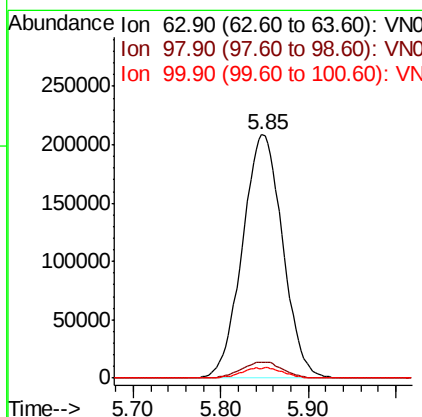
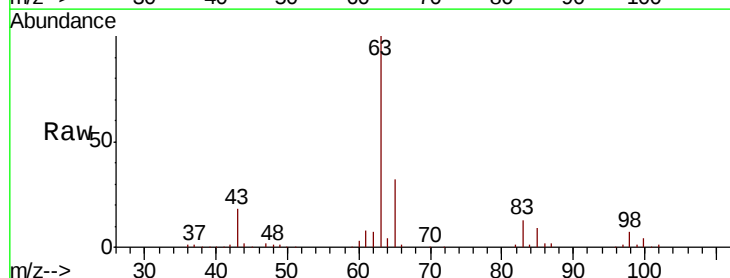
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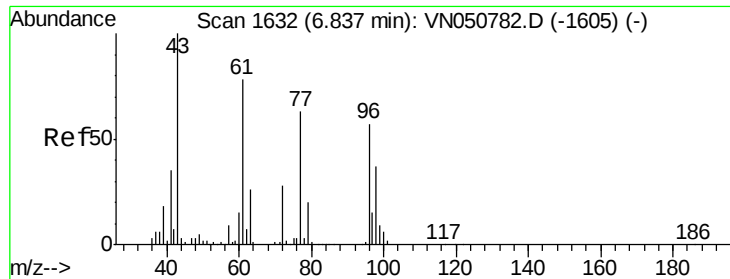
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#24
 1,1-Dichloroethane
 Concen: 47.80 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Tgt Ion: 63 Resp: 664390
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 271.78 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 818541

Ion Ratio Lower Upper

43 100

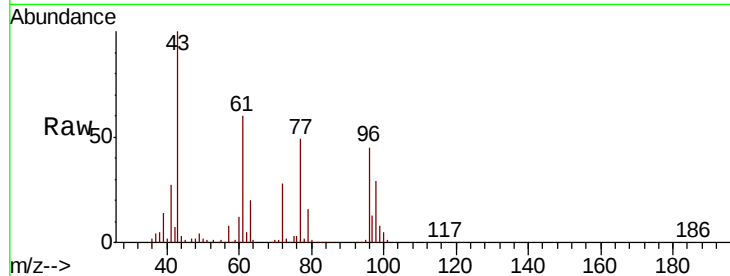
72 28.3 22.3 33.5

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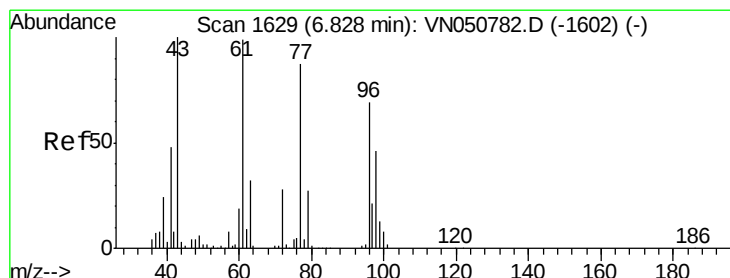
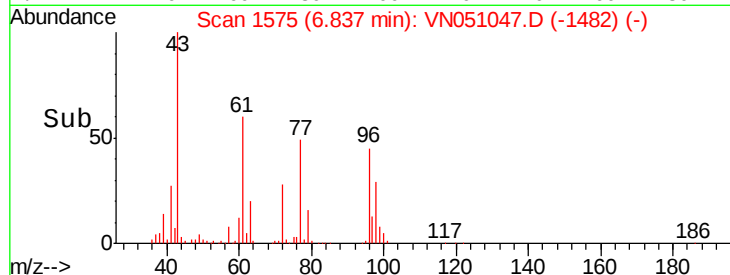
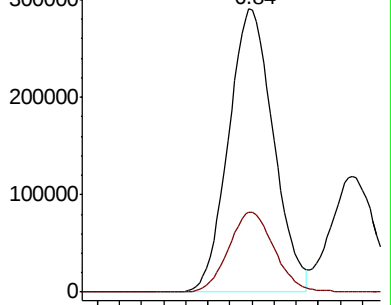
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.40 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN051047.D

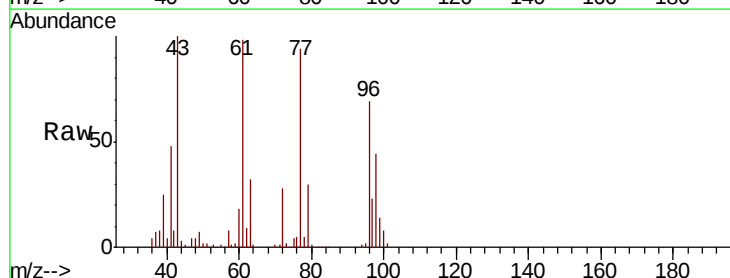
Acq: 7 Sep 2018 12:24

Tgt Ion: 77 Resp: 551731

Ion Ratio Lower Upper

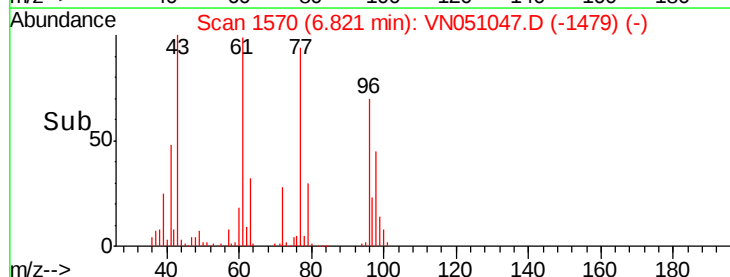
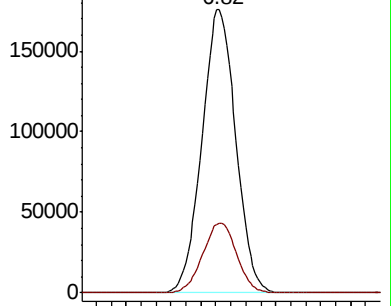
77 100

97 24.7 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.63 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

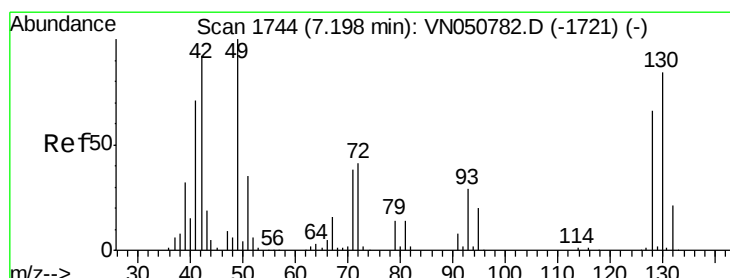
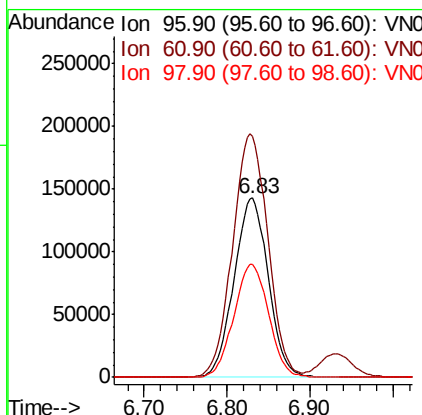
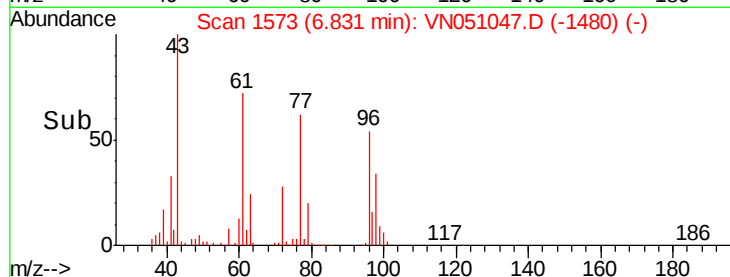
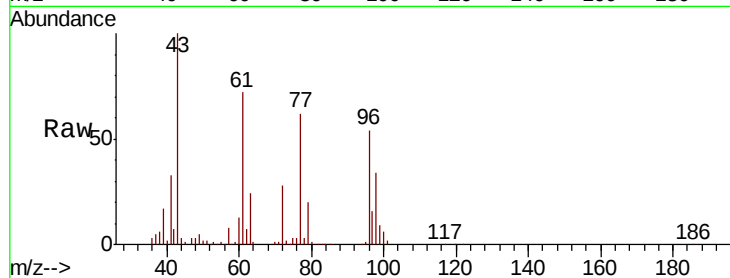
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	411653
Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	283.4
98	64.0	0.0	129.8

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#28

Bromochloromethane

Concen: 44.22 ug/l

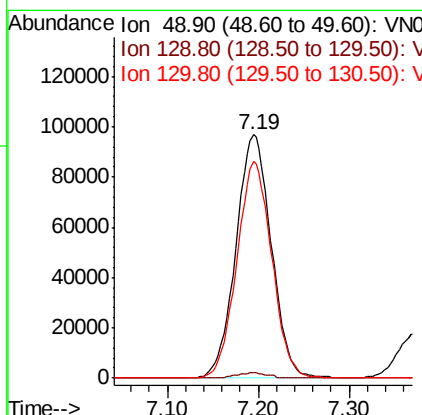
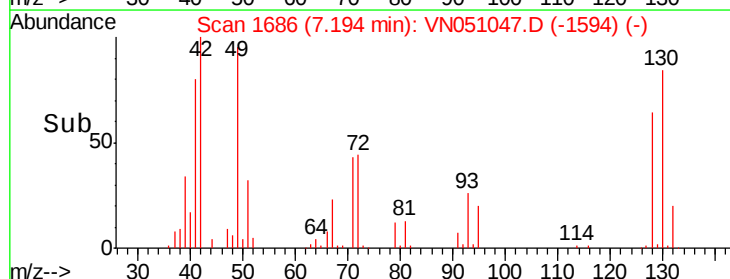
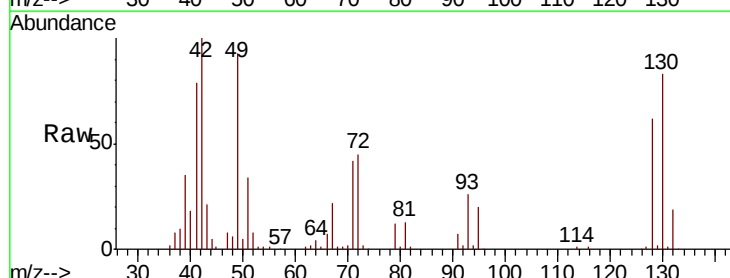
RT: 7.19 min Scan# 1686

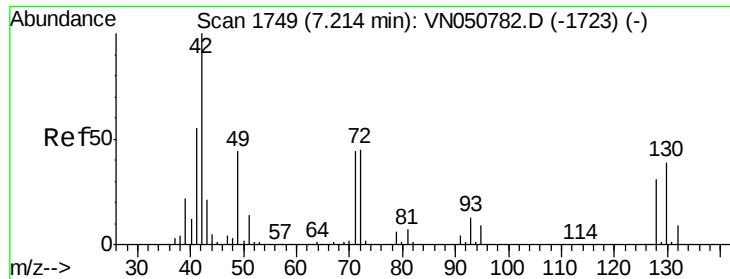
Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Tgt Ion:	49	Resp:	261176
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	87.9	67.1	100.7





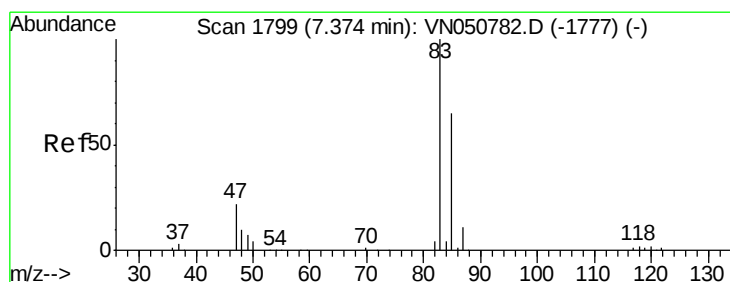
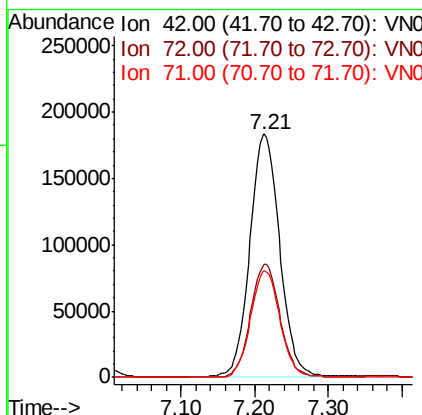
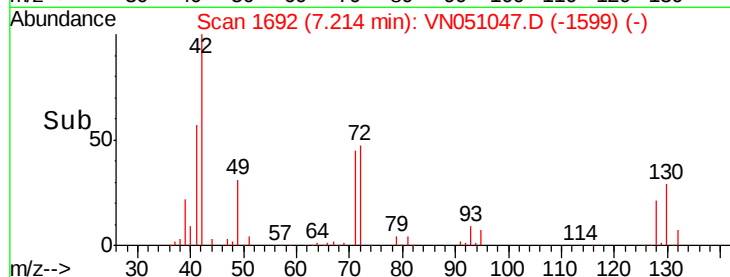
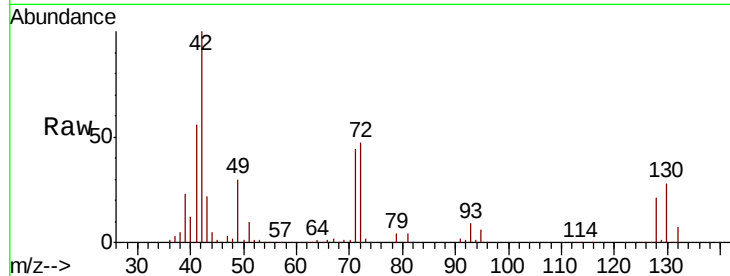
#29
Tetrahydrofuran
Concen: 299.83 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	35.5	53.3
71	43.3	33.7	50.5

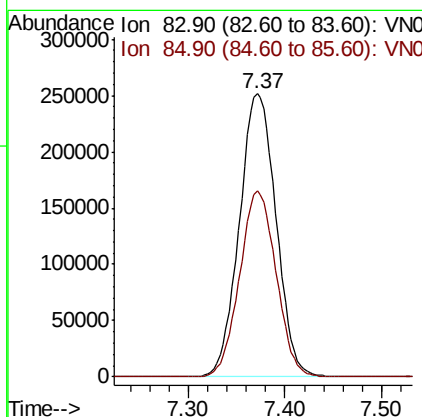
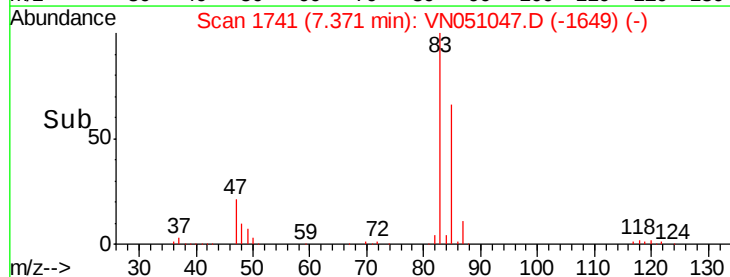
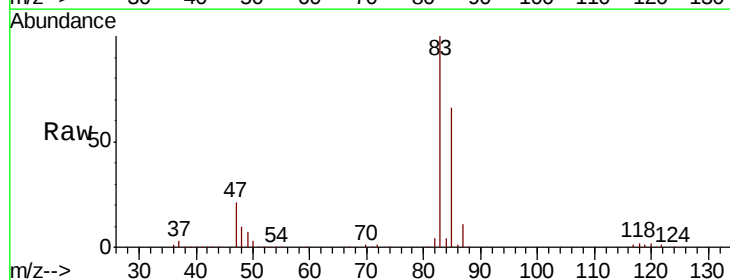
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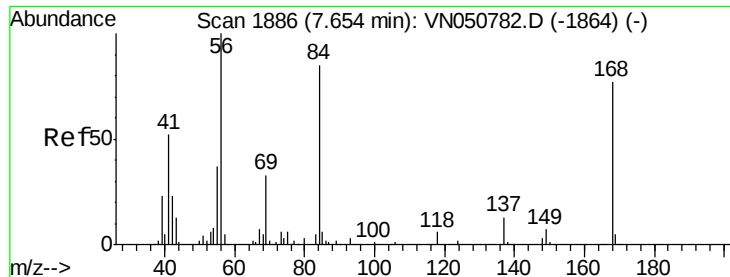
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#30
Chloroform
Concen: 48.20 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.4





#31

Cyclohexane

Concen: 48.96 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

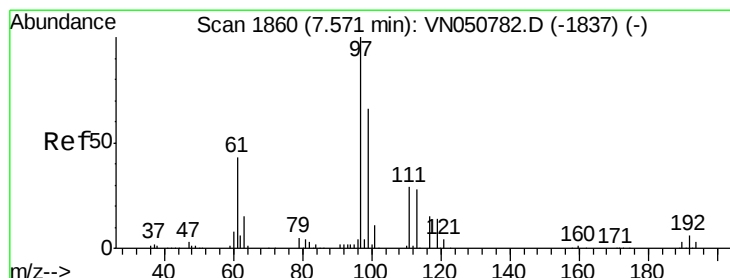
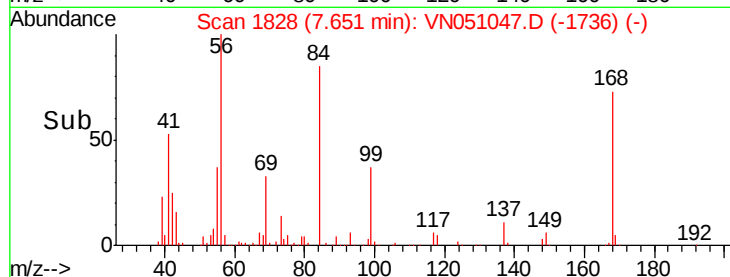
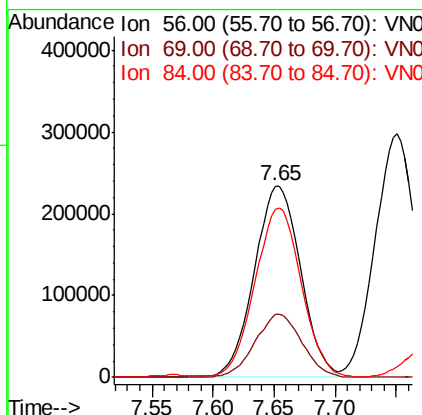
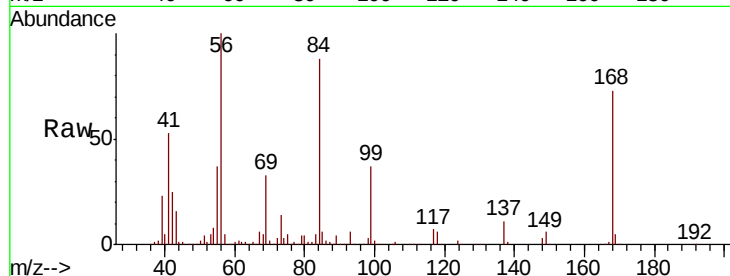
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	618438
Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.2	39.4
84	86.5	68.3	102.5

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#32

1,1,1-Trichloroethane

Concen: 48.36 ug/l

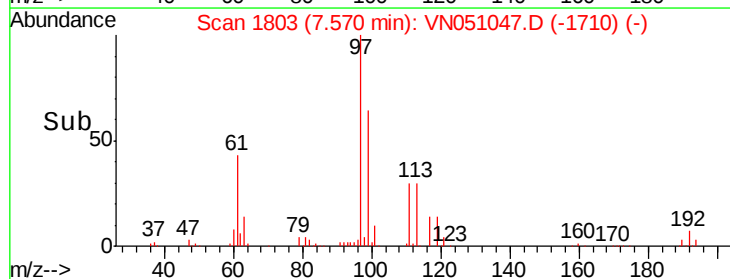
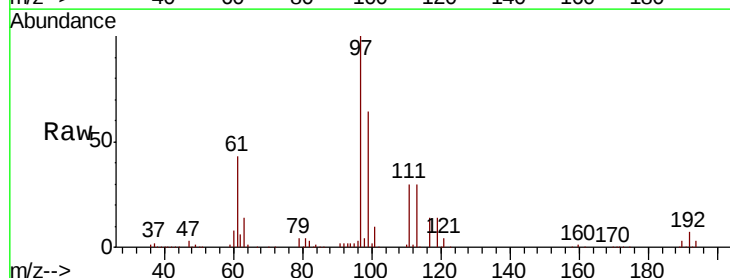
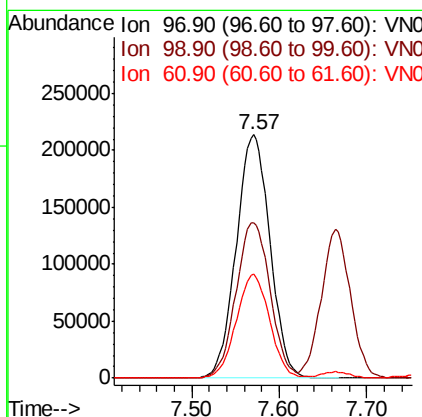
RT: 7.57 min Scan# 1803

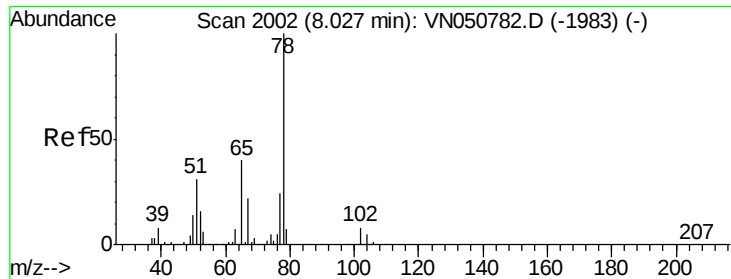
Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Tgt Ion:	97	Resp:	571794
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	42.3	34.9	52.3





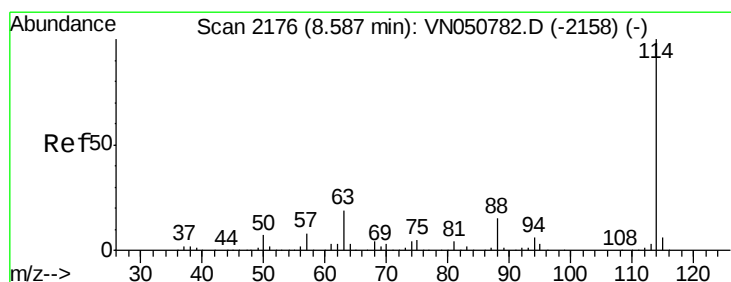
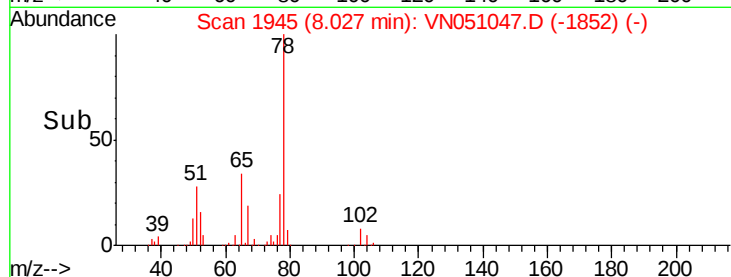
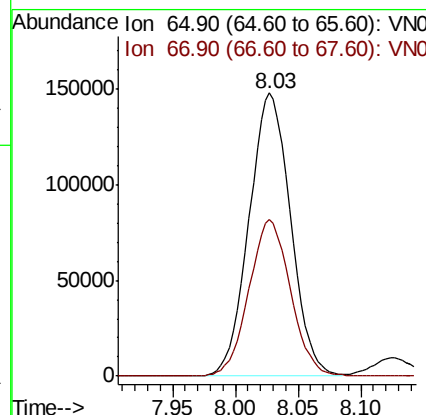
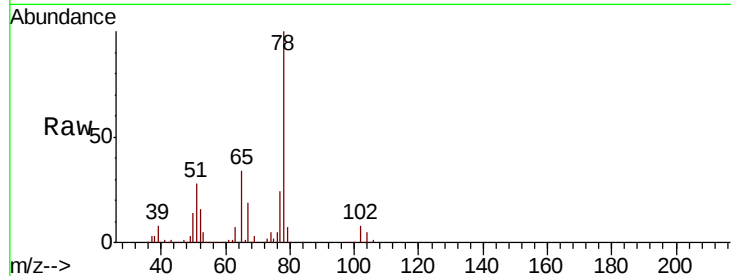
#33
 1,2-Dichloroethane-d4
 Concen: 45.64 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	341074		
67	55.4	0.0	110.4	

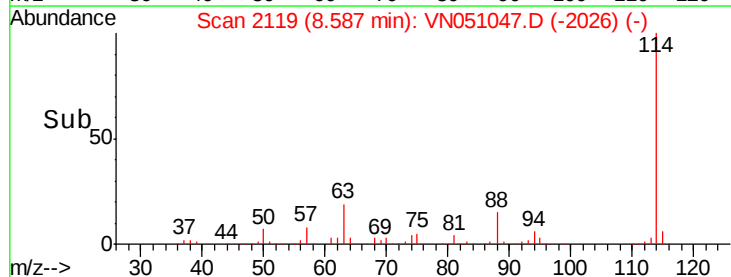
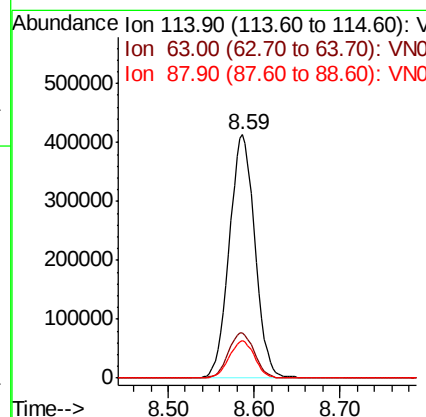
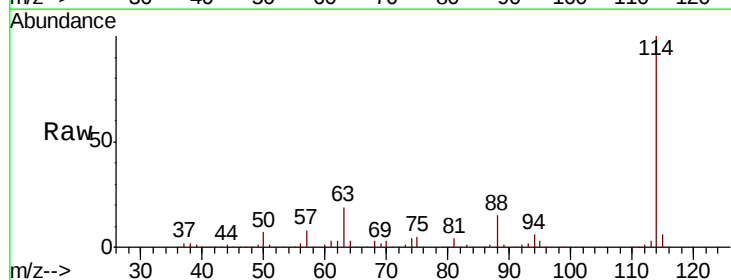
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	854694		
63	18.6	0.0	38.6	
88	15.5	0.0	30.6	





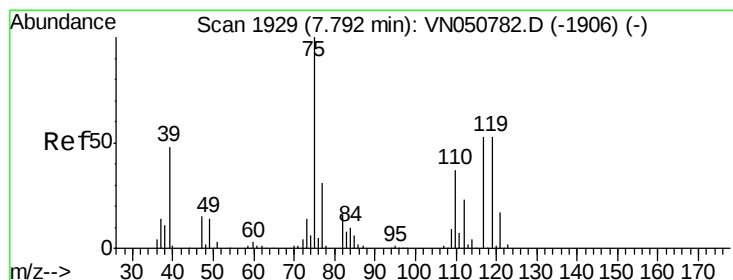
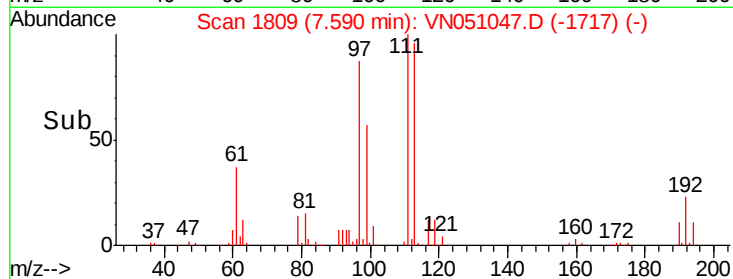
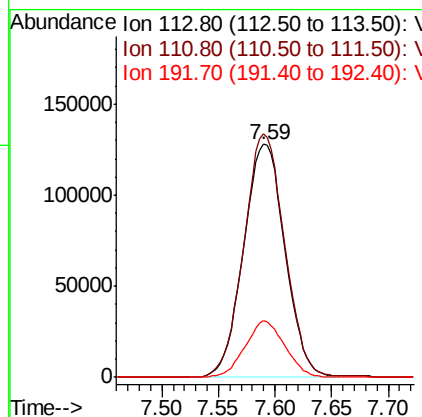
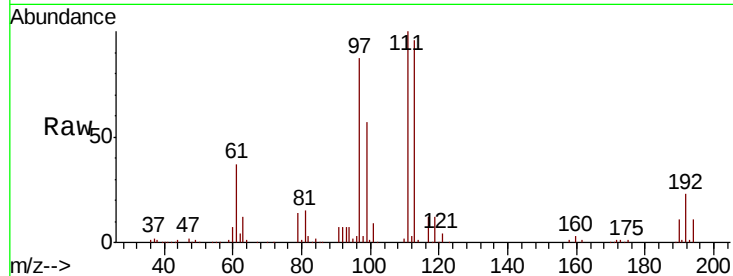
#35
 Dibromofluoromethane
 Concen: 48.07 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	82.6	123.8	
192	23.2	18.0	27.0	

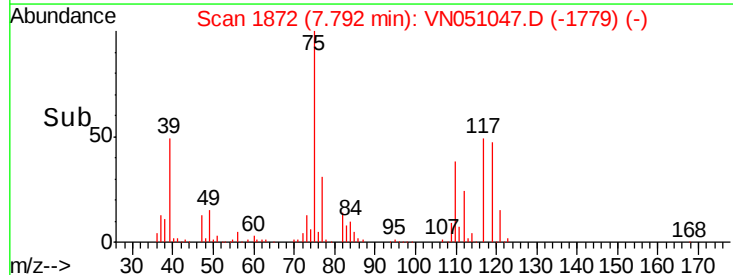
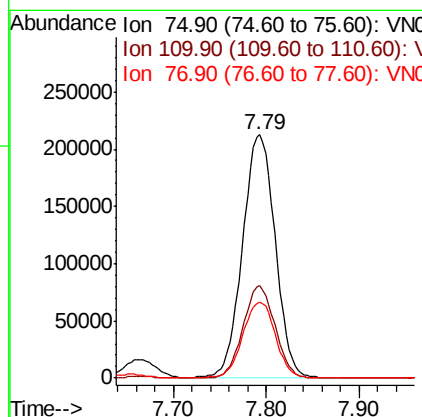
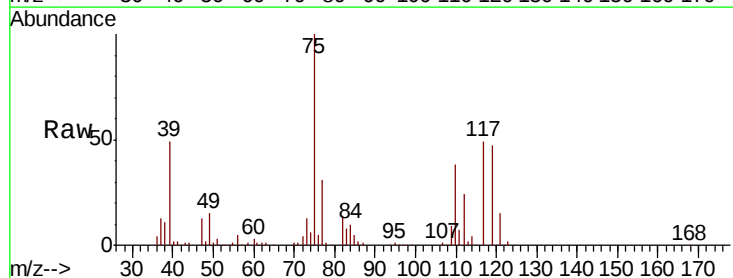
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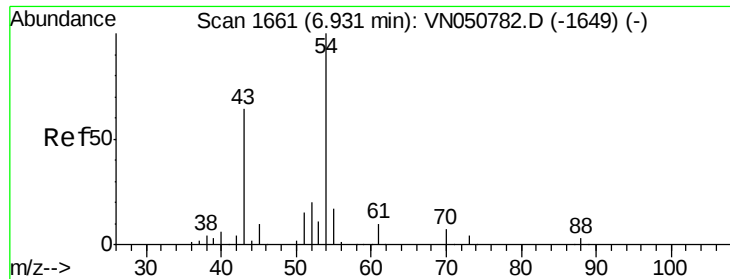
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#36
 1,1-Dichloropropene
 Concen: 51.49 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	18.1	54.4	
77	31.6	24.8	37.2	





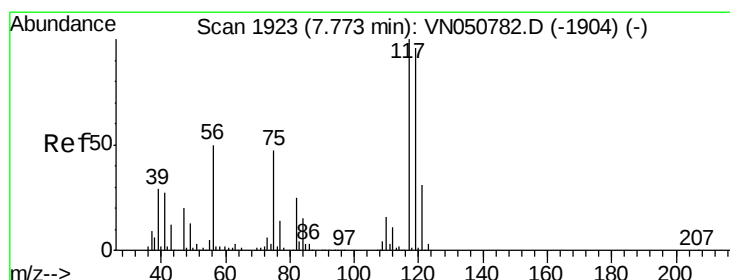
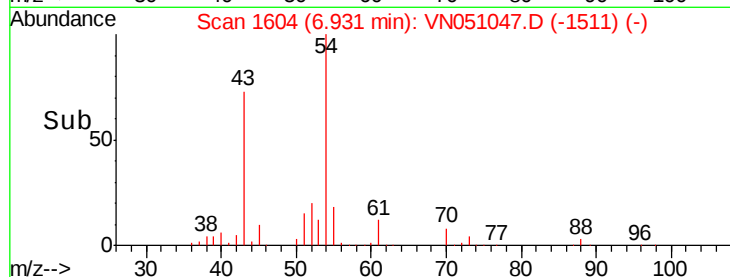
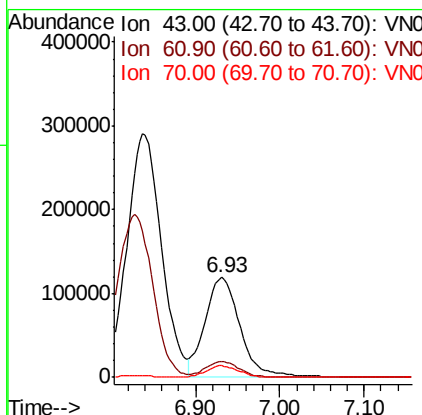
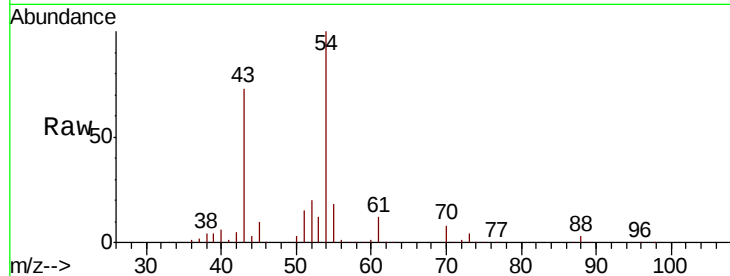
#37
Ethyl Acetate
Concen: 58.37 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.0	18.0
70	11.0	8.6	13.0

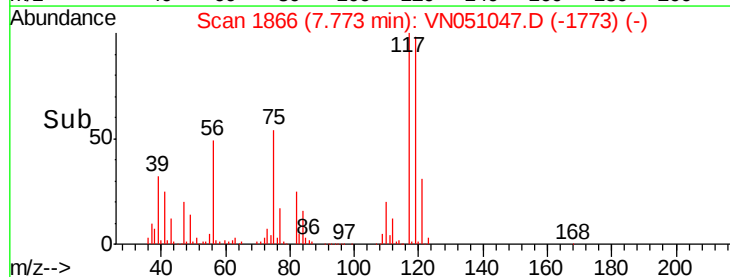
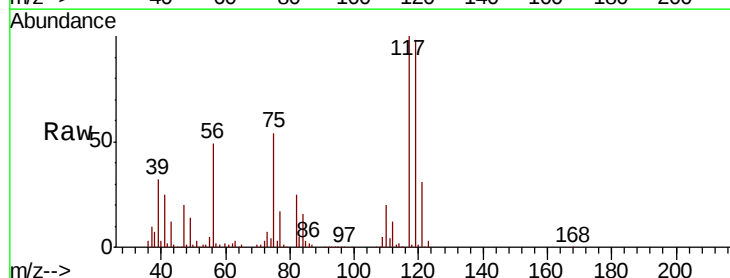
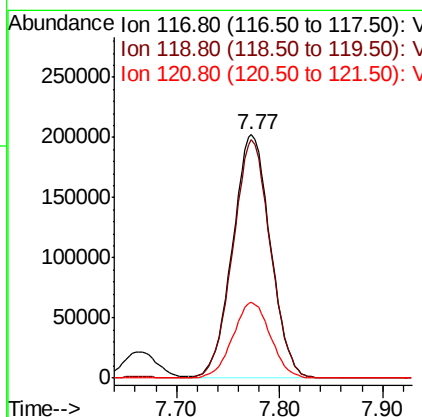
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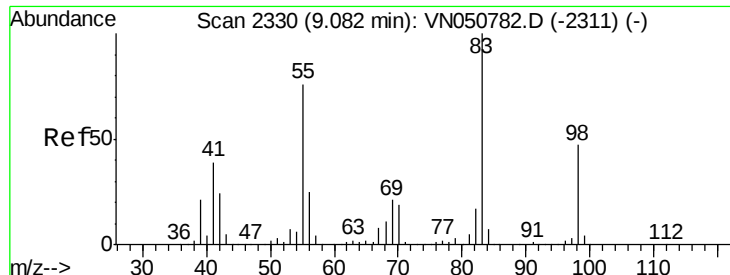
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#38
Carbon Tetrachloride
Concen: 50.71 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.3	114.5
121	31.0	24.6	36.8





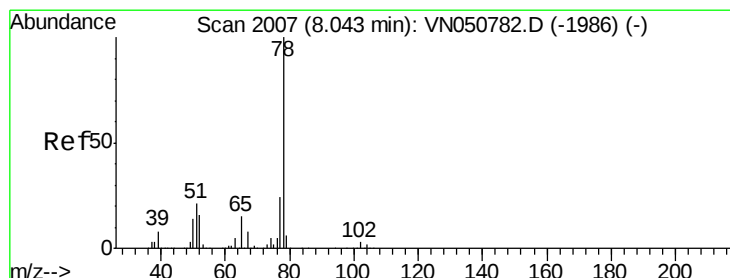
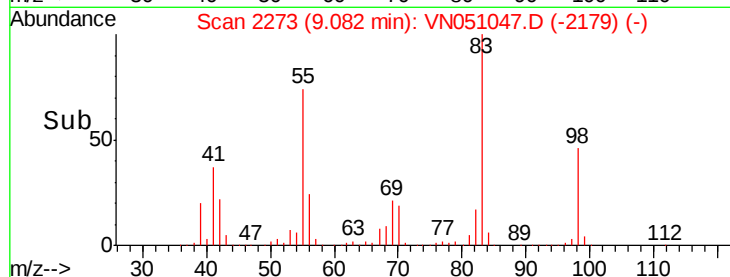
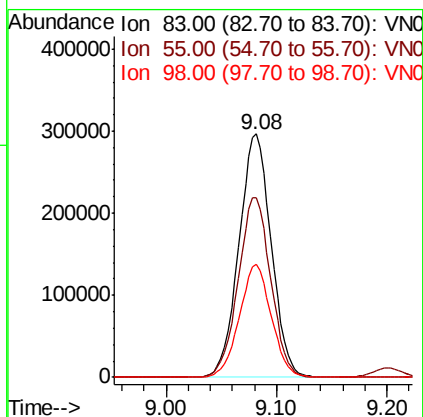
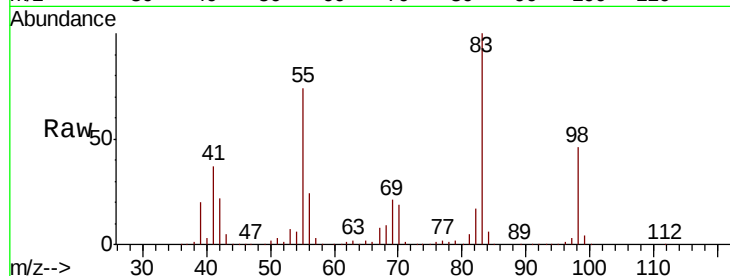
#39
Methvlcvclohexane
Concen: 55.10 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	61.0	91.4
98	46.3	37.5	56.3

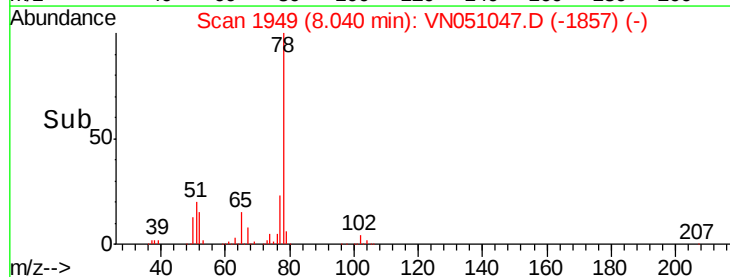
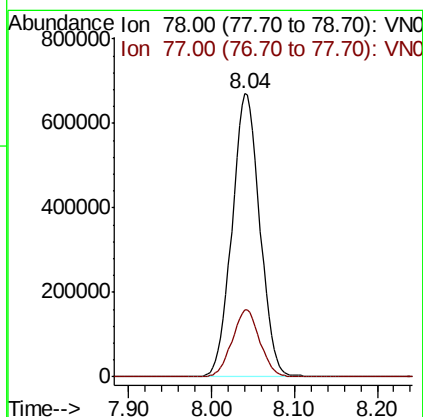
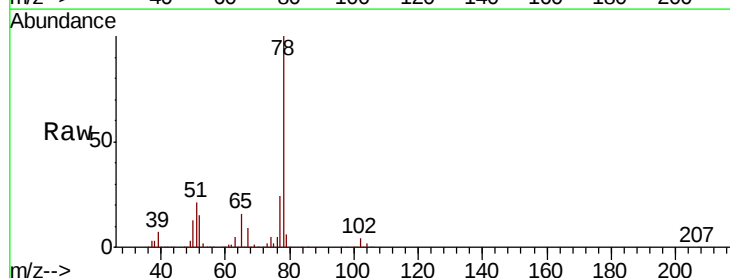
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#40
Benzene
Concen: 51.51 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





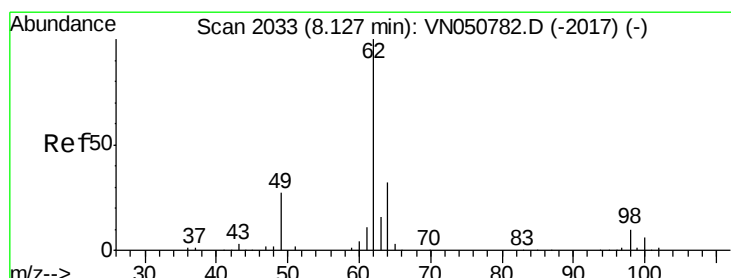
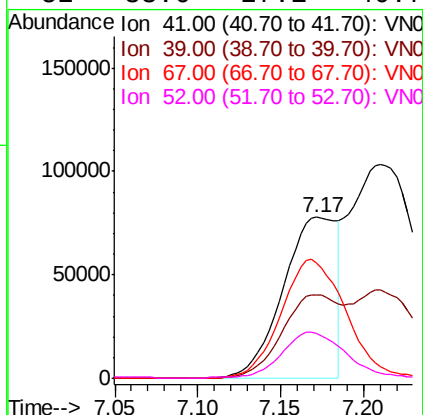
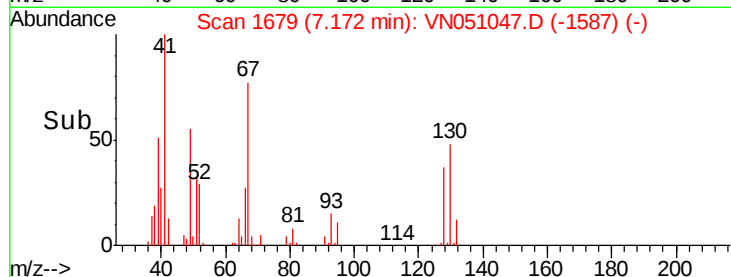
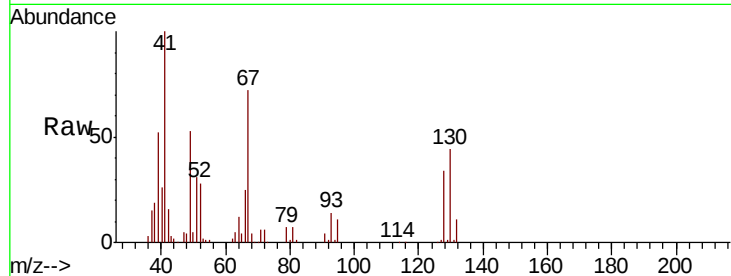
#41
Methacrylonitrile
Concen: 56.27 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	176423
Ion	Ratio	Lower	Upper
41	100		
39	55.5	45.4	68.0
67	89.1	70.6	106.0
52	33.6	27.1	40.7

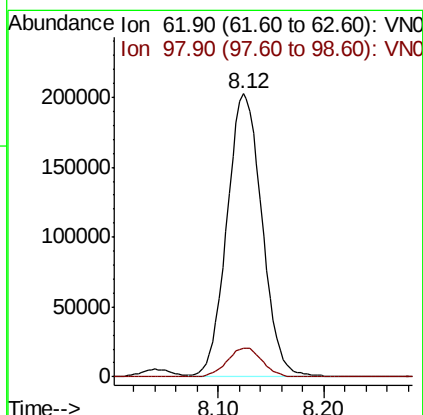
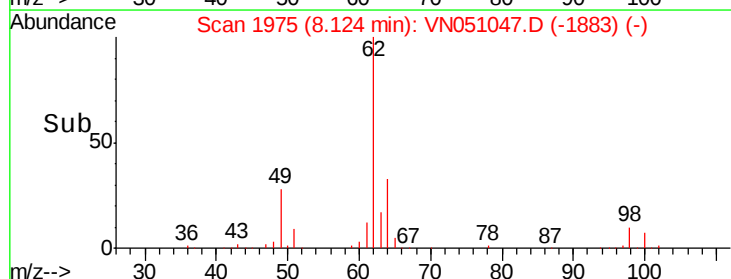
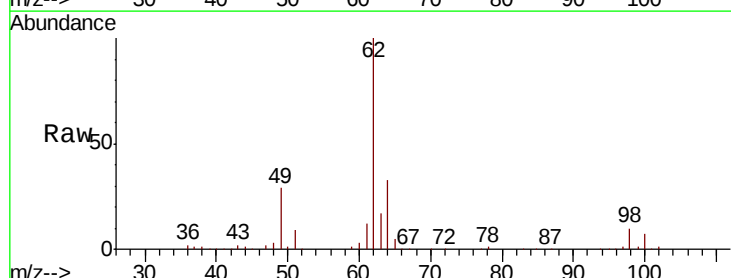
Manual Integrations
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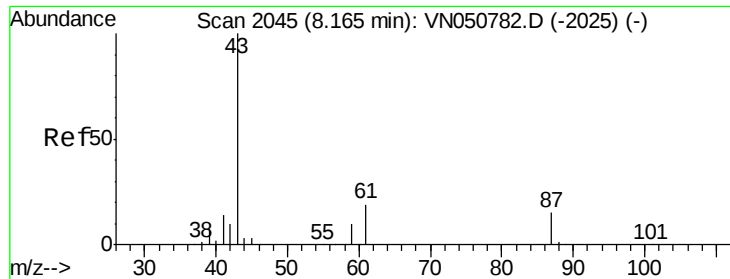
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#42
1,2-Dichloroethane
Concen: 51.05 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	62	Resp	464159
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





#43

Isopropyl Acetate

Concen: 58.04 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

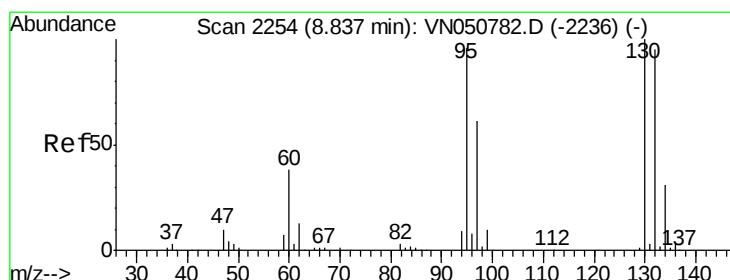
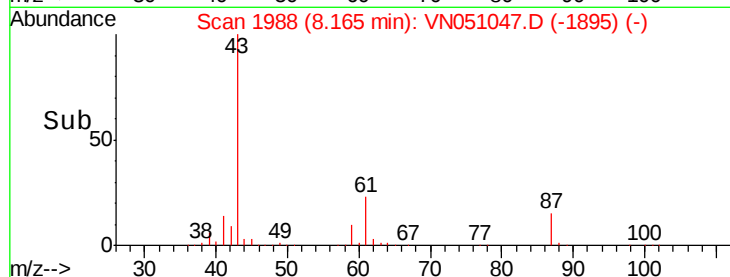
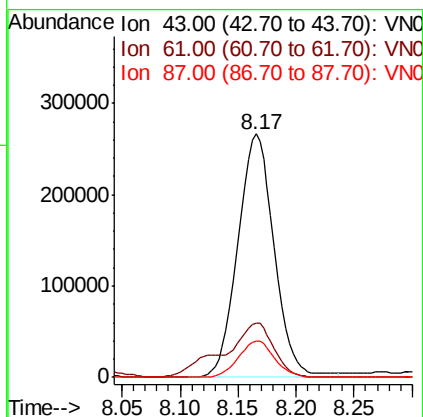
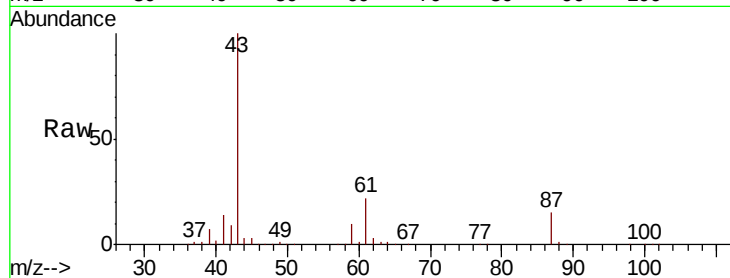
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	578204
Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.5	26.3
87	14.8	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 52.15 ug/l

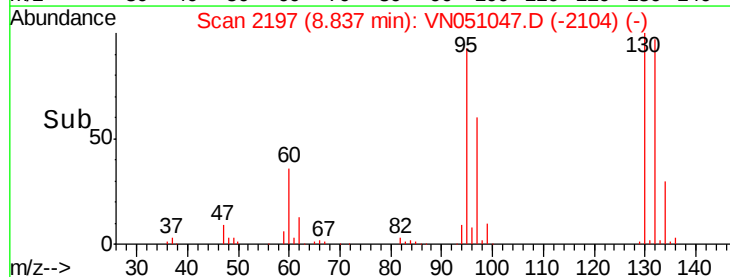
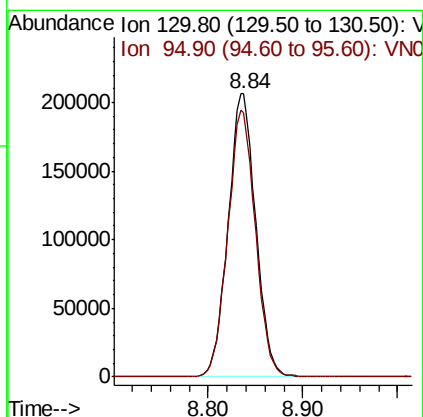
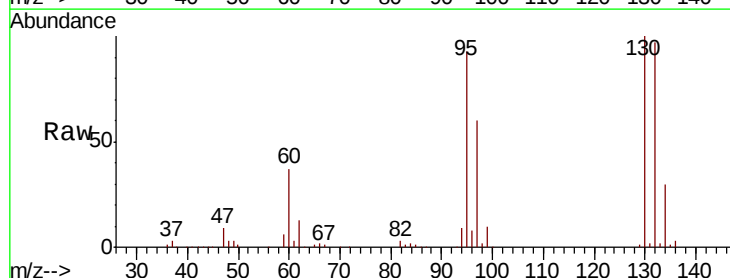
RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Tgt Ion:	130	Resp:	418278
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	193.0





#45

1,2-Dichloropropane

Concen: 50.40 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 402884

Ion Ratio Lower Upper

63 100

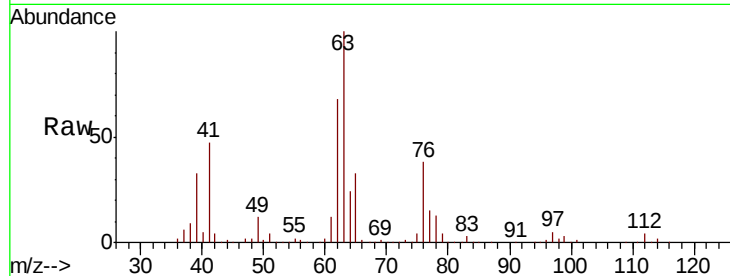
65 32.4 25.0 37.6

Manual Integrations

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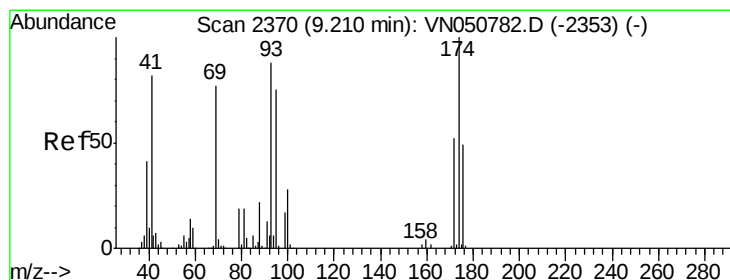
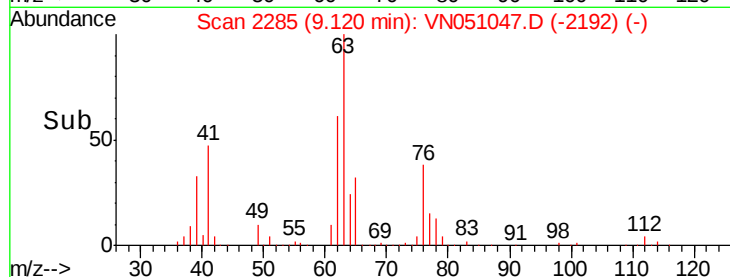
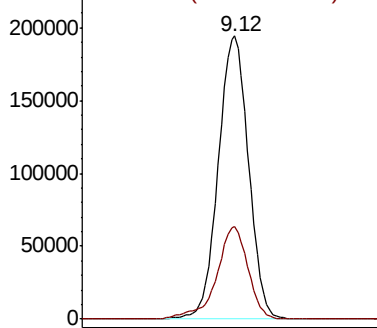
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 52.23 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

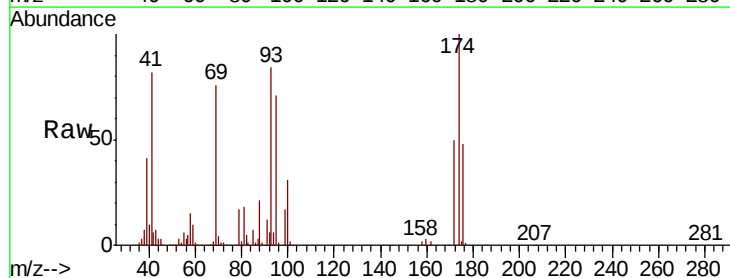
Tgt Ion: 93 Resp: 245326

Ion Ratio Lower Upper

93 100

95 84.0 66.7 100.1

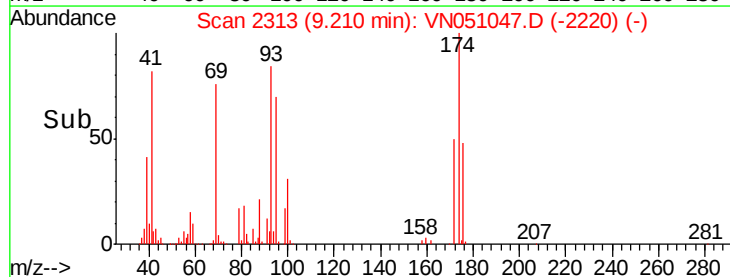
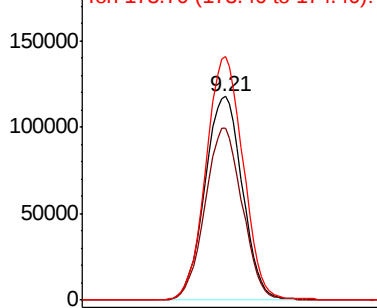
174 118.1 89.8 134.6

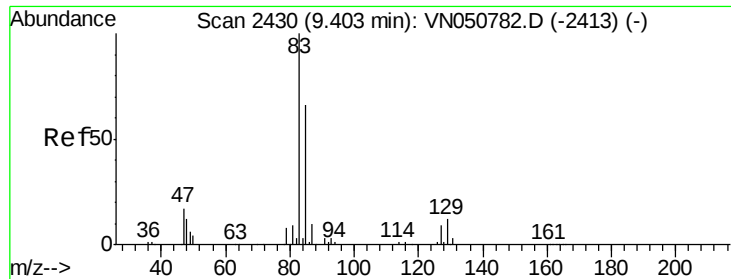


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





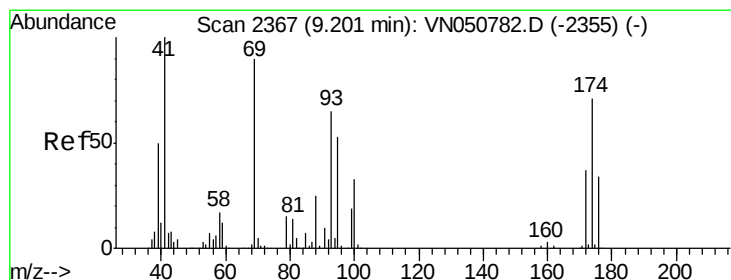
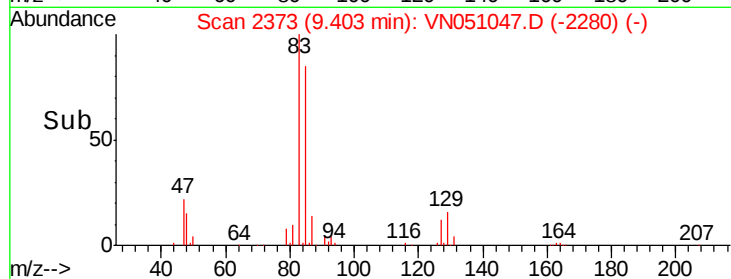
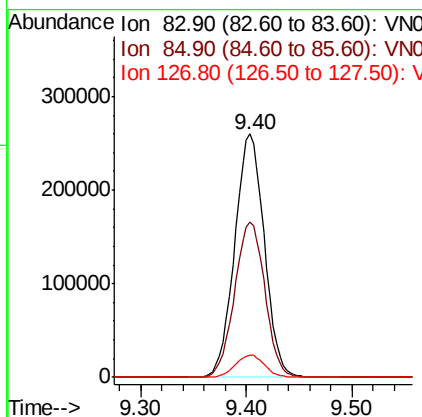
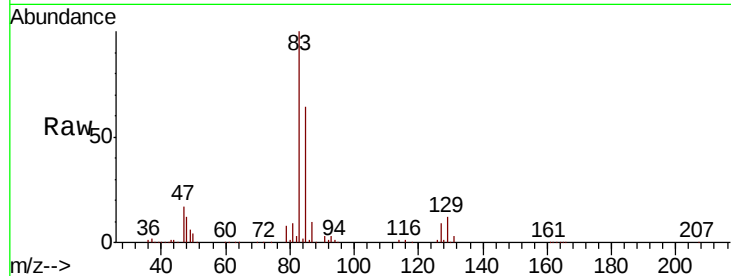
#47
Bromodichloromethane
Concen: 51.46 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.6	78.8
127	9.1	7.2	10.8

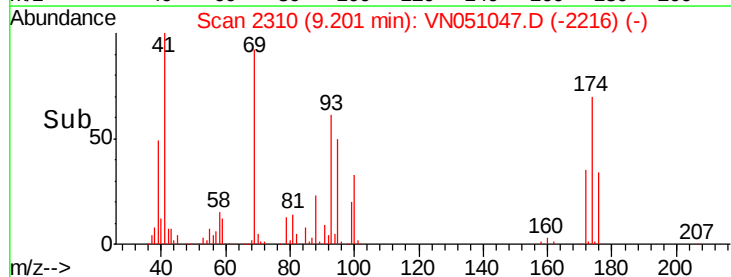
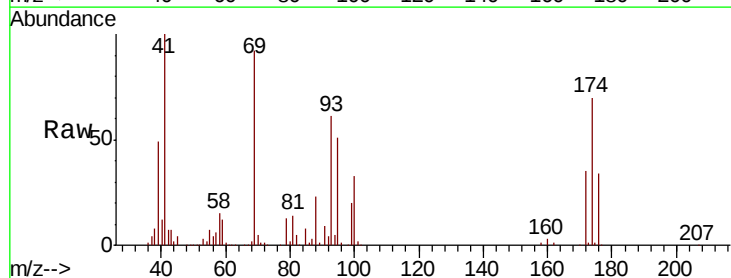
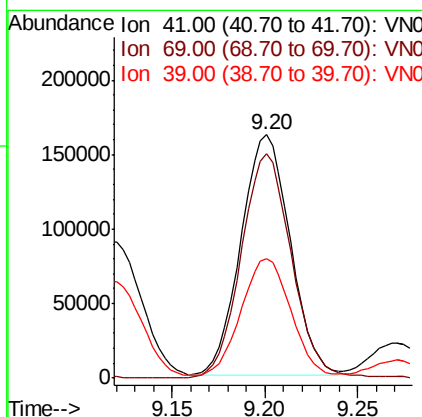
Manual Integrations
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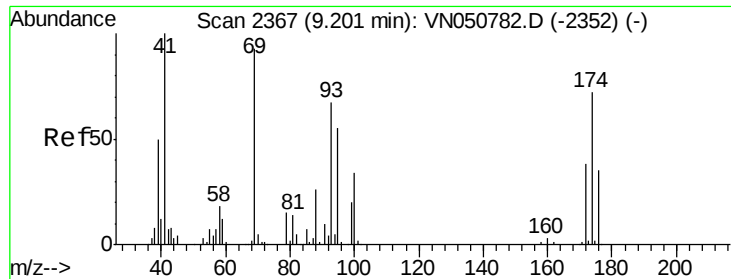
MMDadoda
9/10/2018 11:53:18 AM



#48
Methyl methacrylate
Concen: 58.75 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.7	74.7	112.1
39	51.0	42.2	63.2





#49

1,4-Dioxane

Concen: 1146.93 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

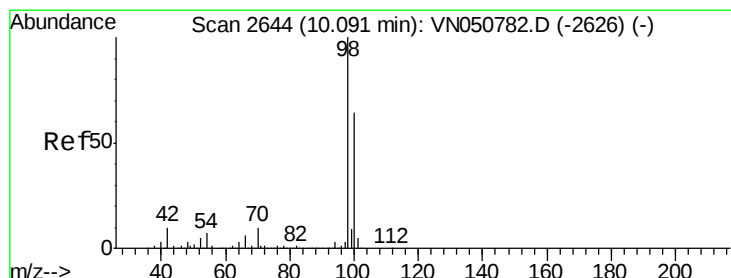
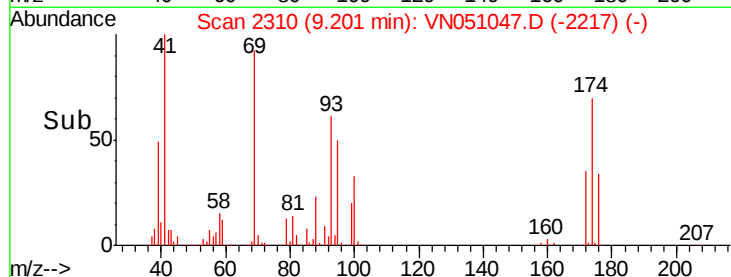
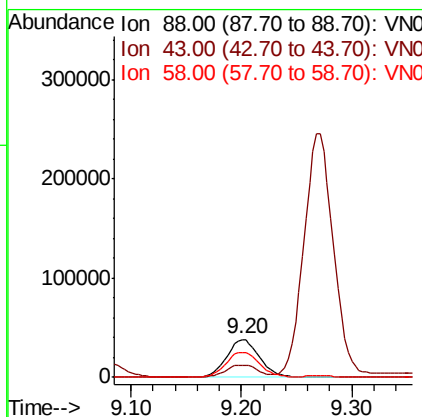
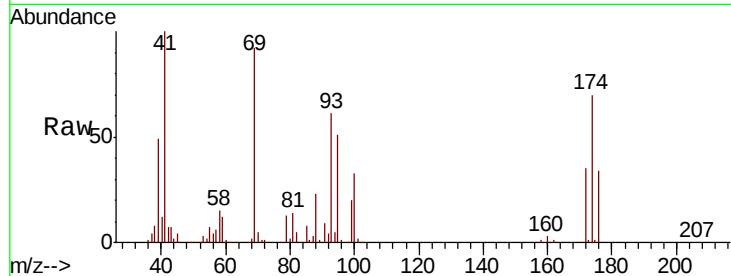
ClientSampleId :

VSTDCCC050

Tot Ion	88	Resp	79375
Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.9	38.9
58	67.2	55.0	82.4

Manual Integrations
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#50

Toluene-d8

Concen: 48.34 ug/l

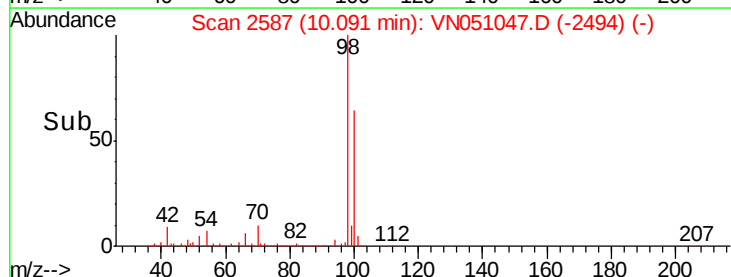
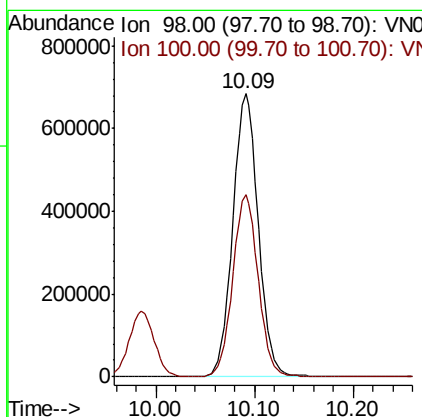
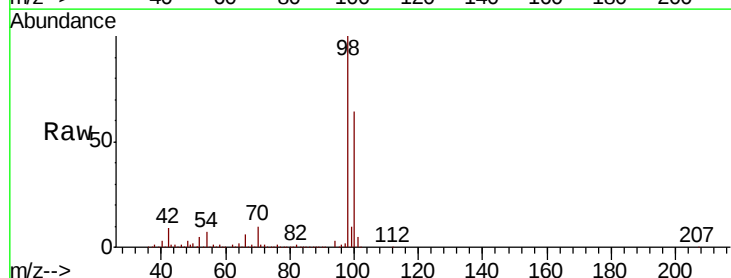
RT: 10.09 min Scan# 2587

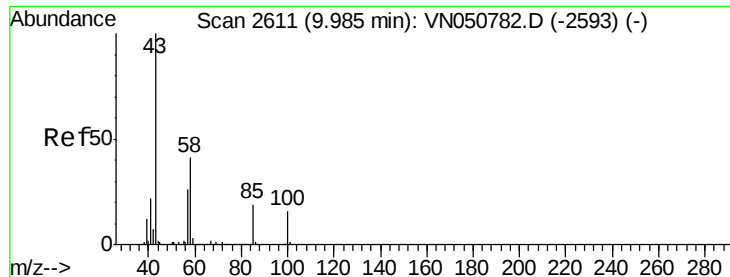
Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Tgt Ion	98	Resp	1228970
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 286.46 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1702845

Ion Ratio Lower Upper

43 100

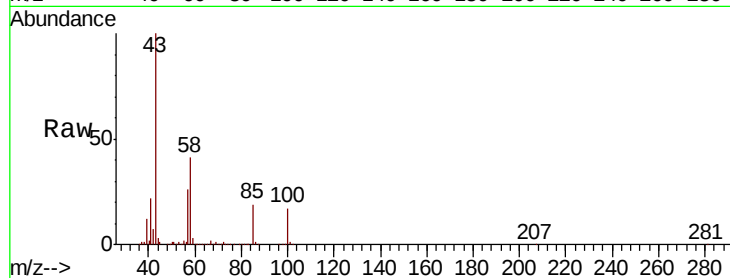
58 41.3 32.4 48.6

Manual Integrations

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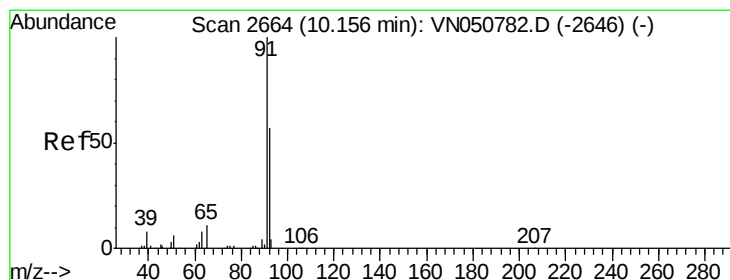
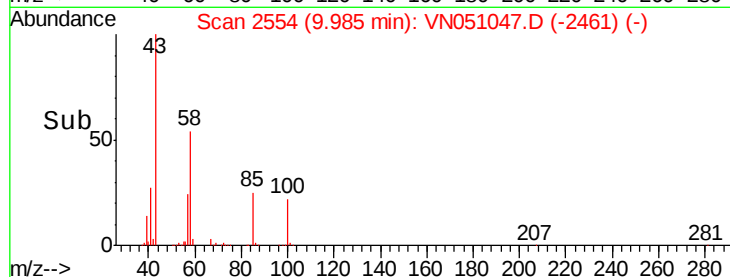
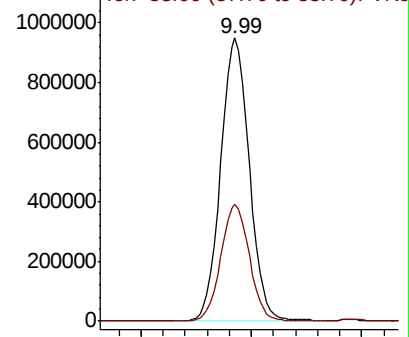
MMDadoda

9/10/2018 11:53:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 54.04 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051047.D

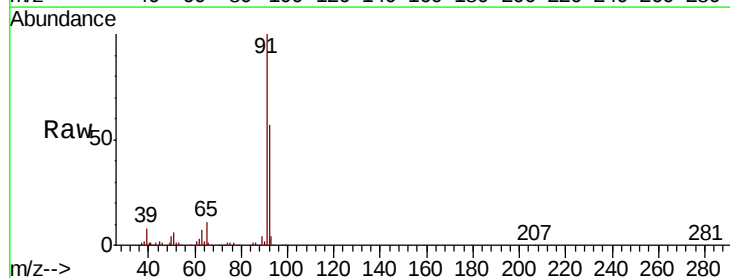
Acq: 7 Sep 2018 12:24

Tgt Ion: 92 Resp: 973627

Ion Ratio Lower Upper

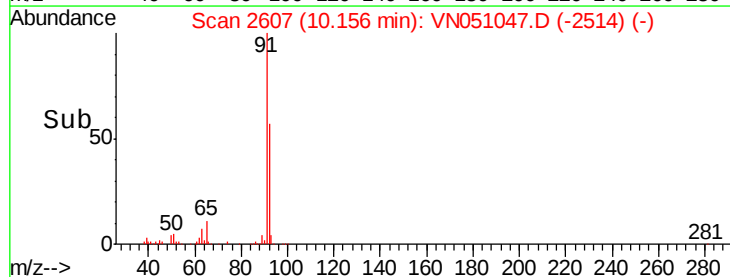
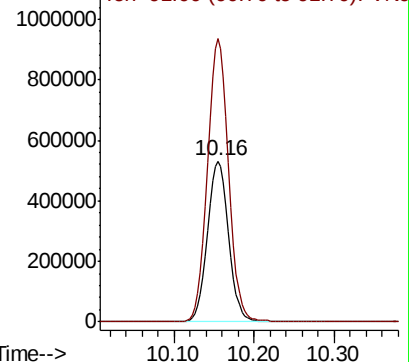
92 100

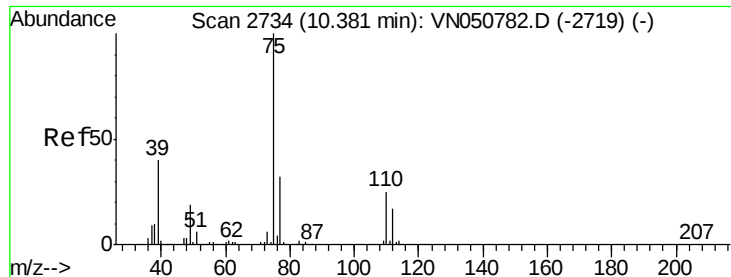
91 175.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





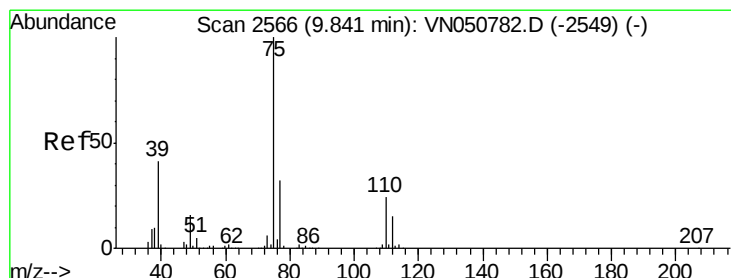
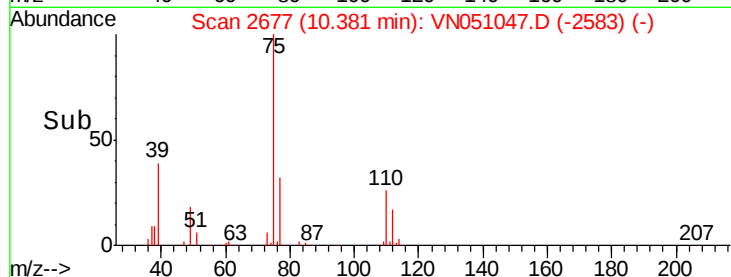
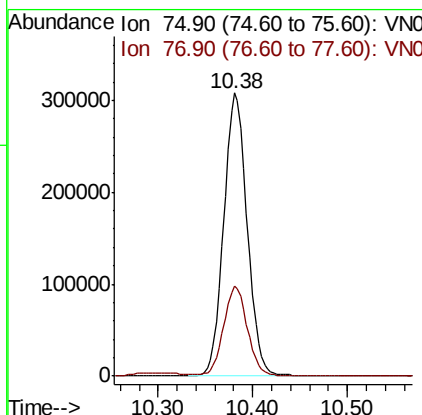
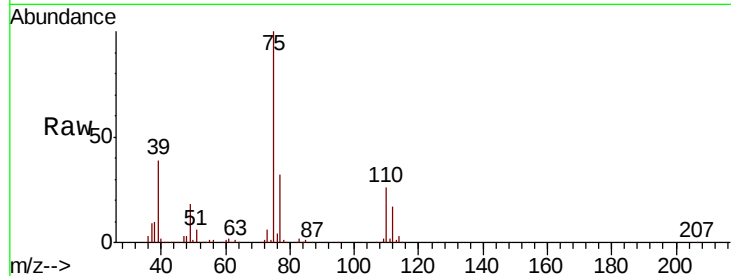
#53
t-1,3-Dichloropropene
Concen: 54.08 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.7	38.5

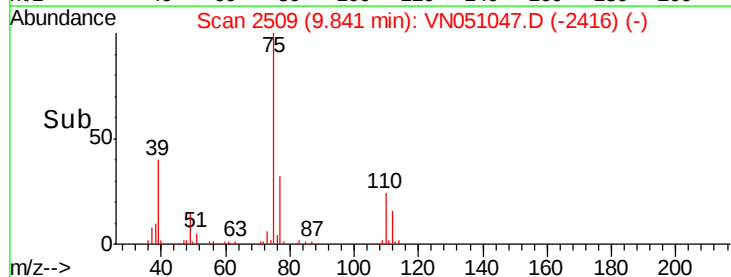
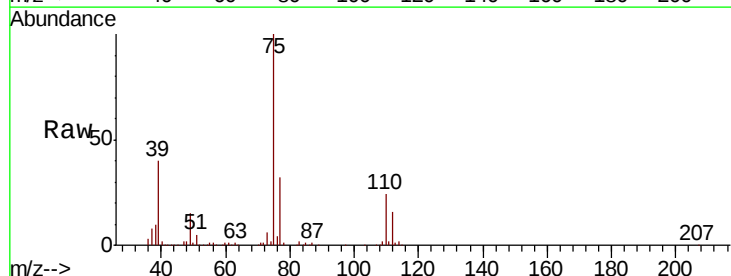
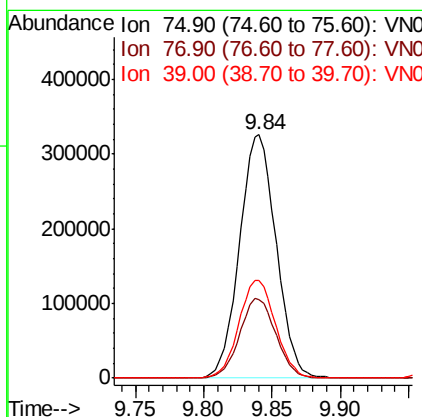
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 54.16 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.2
39	40.0	33.0	49.4





#55

1,1,2-Trichloroethane

Concen: 53.55 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

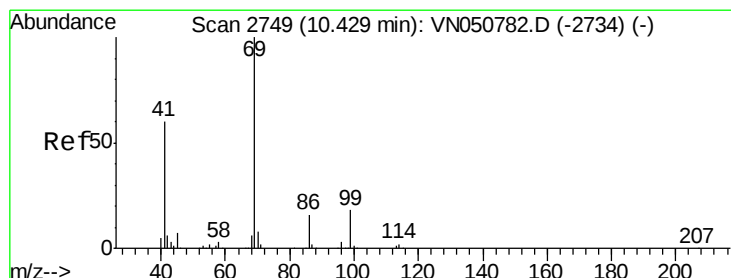
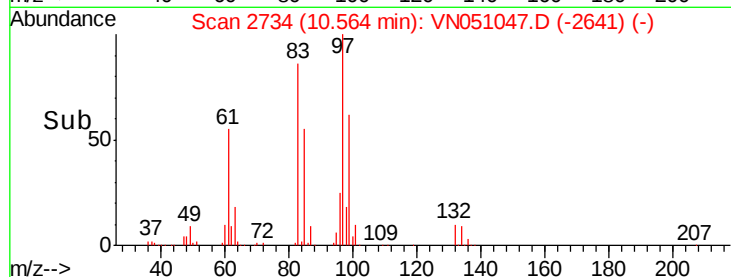
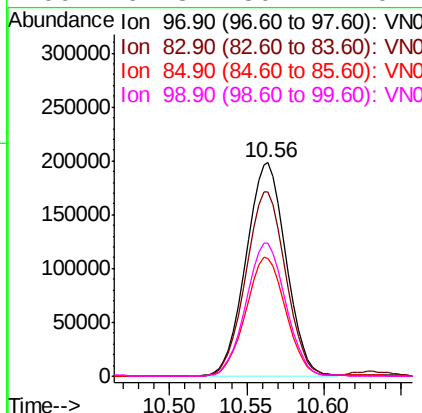
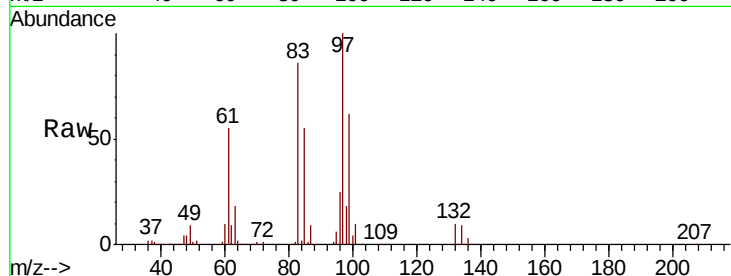
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	358100
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.7	104.5
85	55.3	44.5	66.7
99	62.3	50.7	76.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.22 ug/l

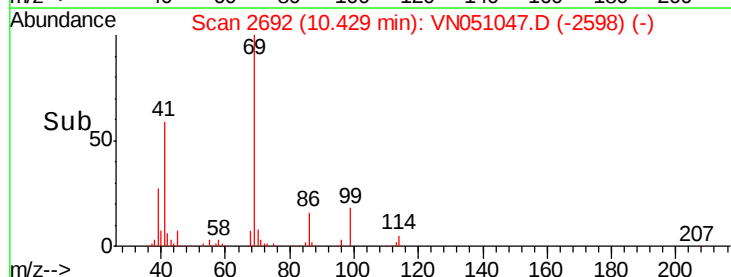
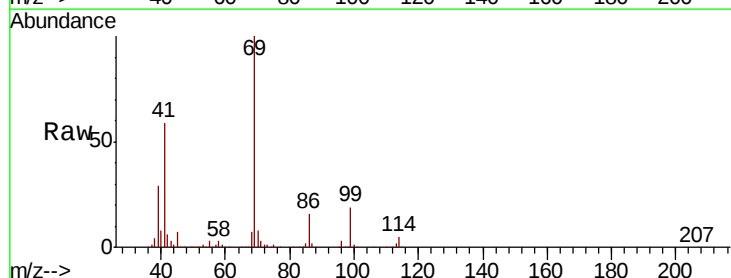
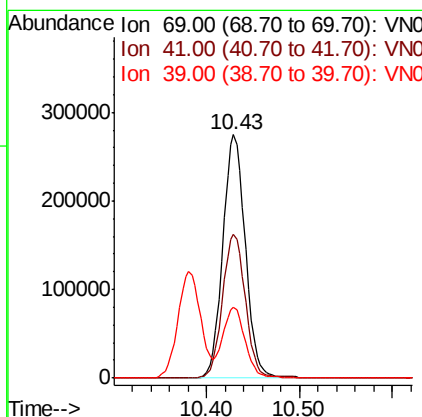
RT: 10.43 min Scan# 2692

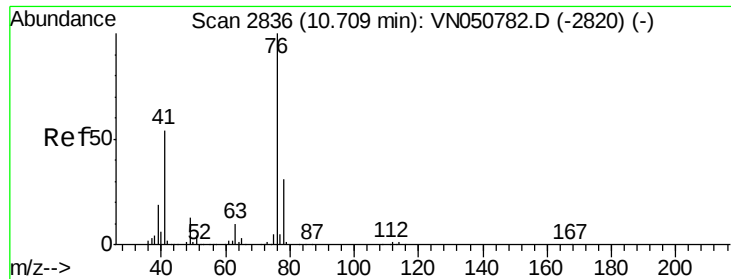
Delta R.T. 0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Tgt Ion:	69	Resp:	464319
Ion	Ratio	Lower	Upper
69	100		
41	60.7	48.3	72.5
39	28.6	24.0	36.0





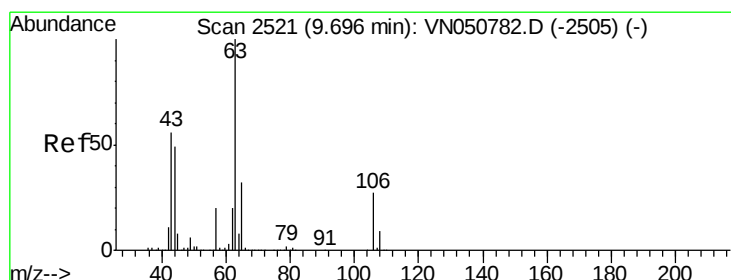
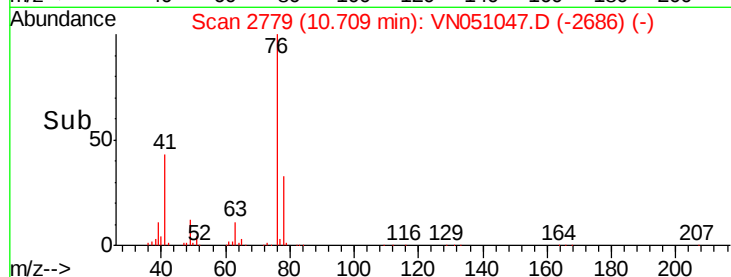
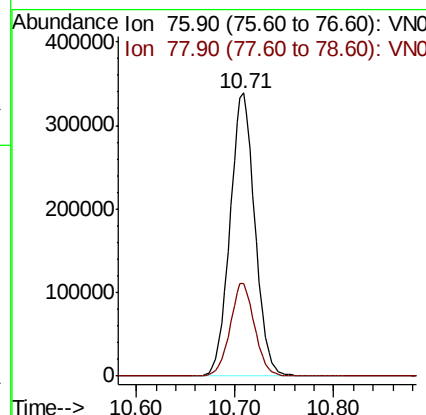
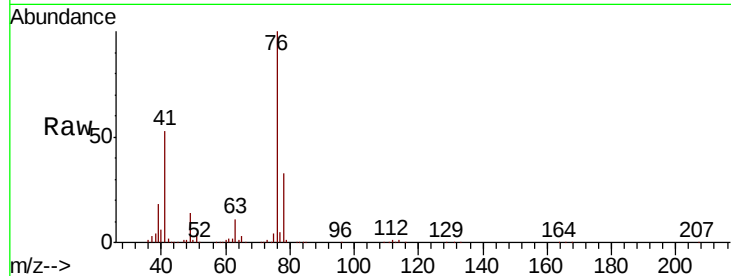
#57
 1,3-Dichloropropane
 Concen: 54.30 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

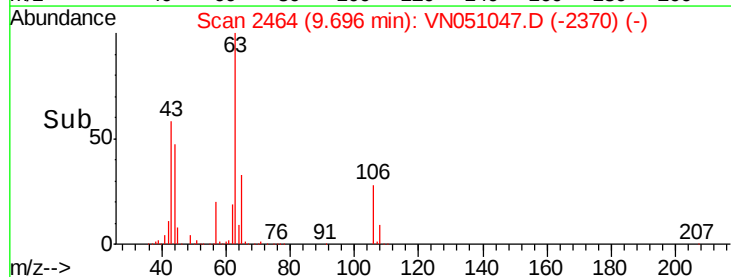
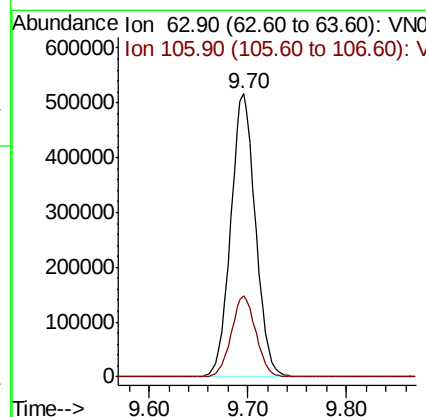
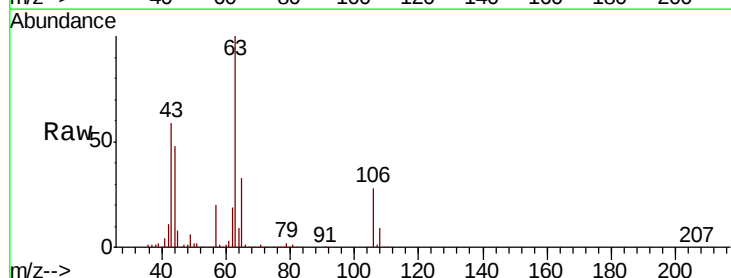
Manual Integrations
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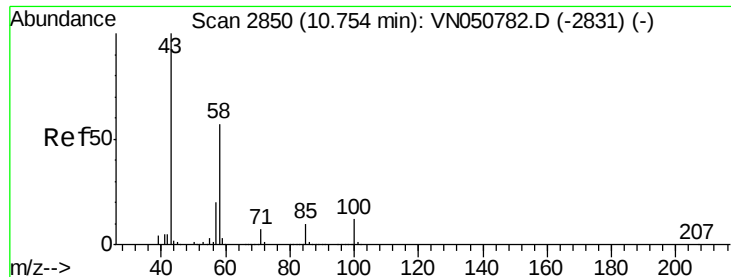
MMDadoda
 9/10/2018 11:53:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.43 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.9	32.9





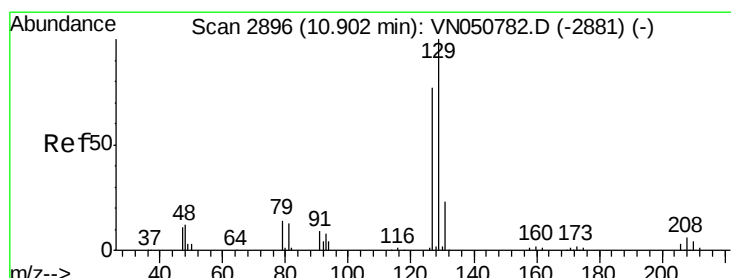
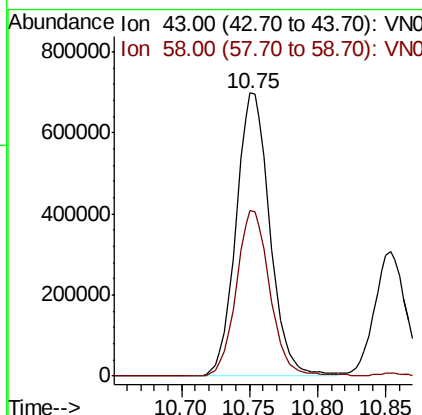
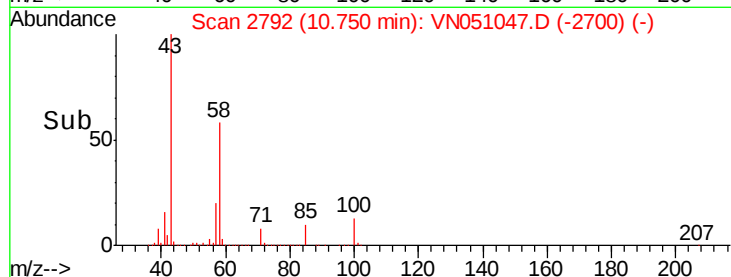
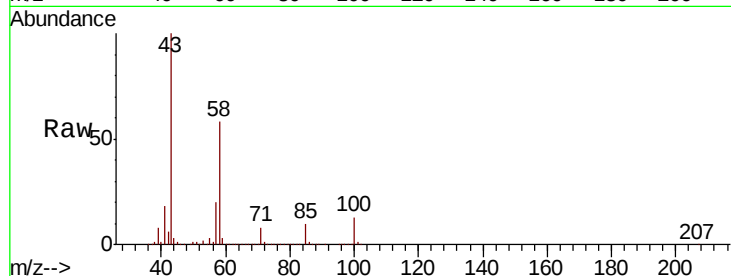
#59
2-Hexanone
Concen: 302.72 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1197968
Ion Ratio Lower Upper
43 100
58 58.3 28.3 85.0

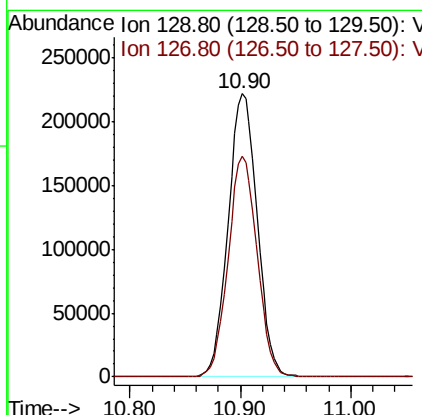
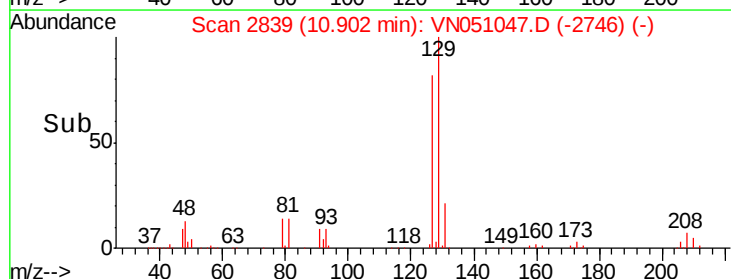
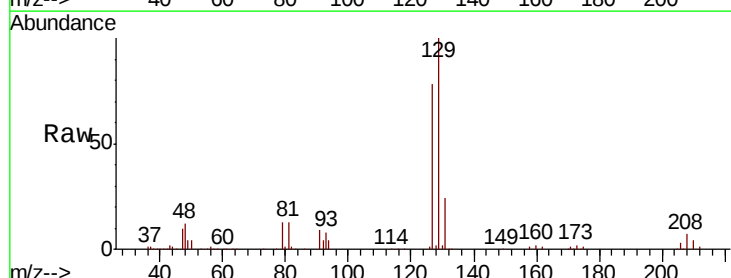
Manual Integrations
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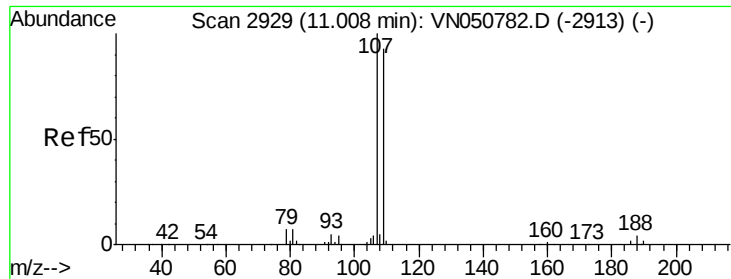
MMDadoda
9/10/2018 11:53:18 AM



#60
Dibromochloromethane
Concen: 54.25 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion: 129 Resp: 406177
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.9





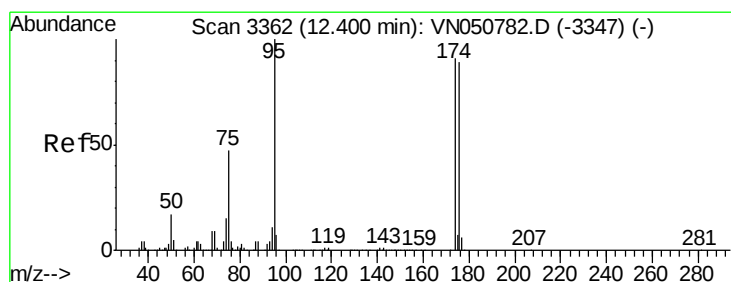
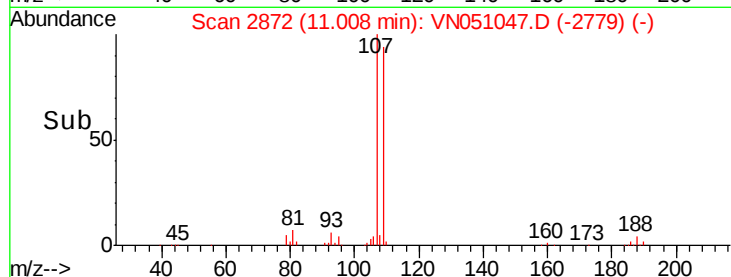
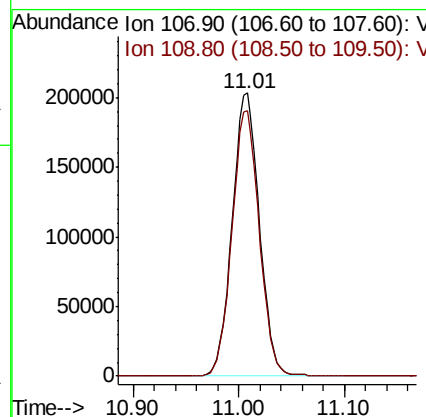
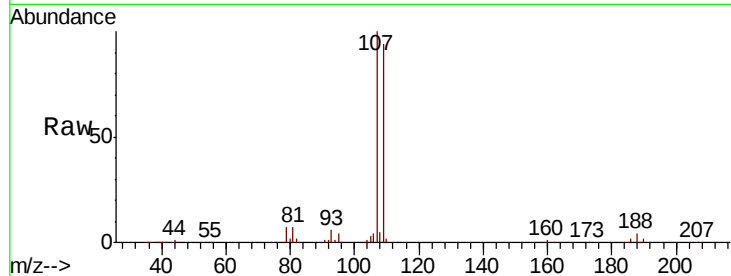
#61
 1,2-Dibromoethane
 Concen: 55.91 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

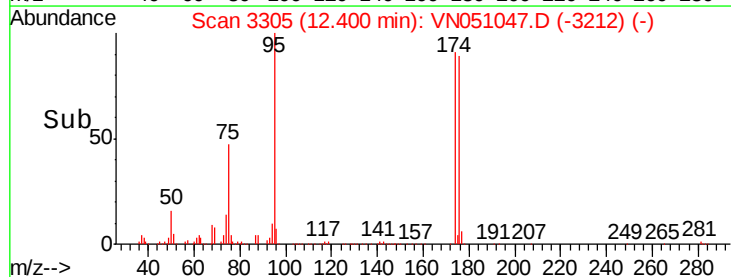
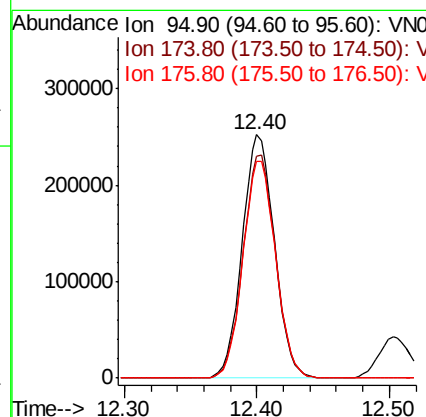
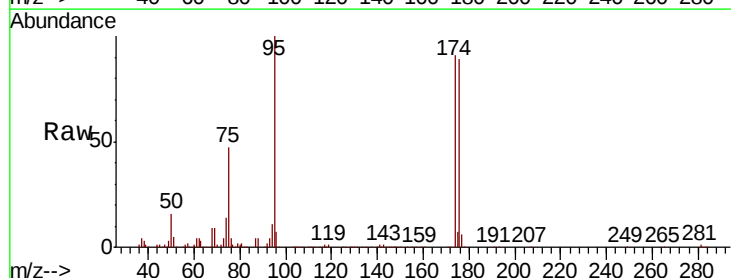
Manual Integrations
 APPROVED

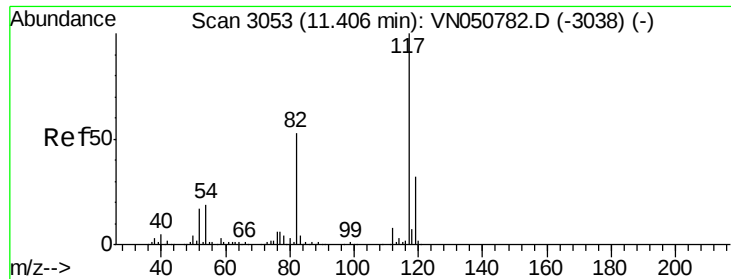
MMDadoda
 9/10/2018 11:53:18 AM



#62
 4-Bromofluorobenzene
 Concen: 50.23 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	183.0
176	90.4	0.0	178.8





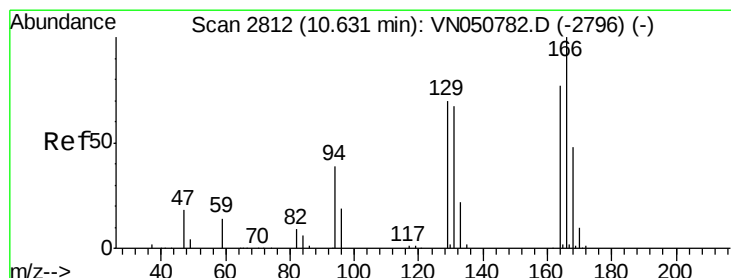
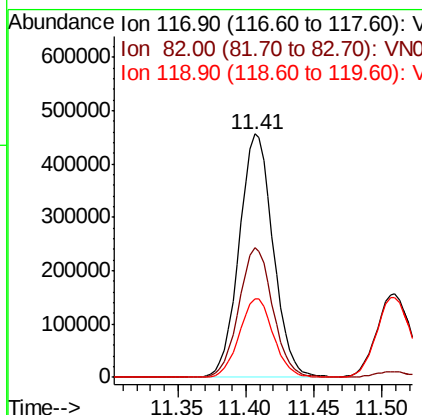
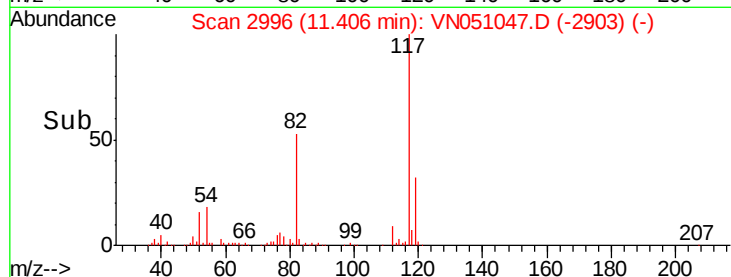
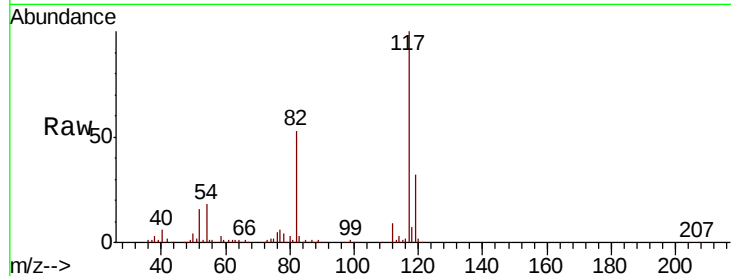
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.6	64.0
119	32.3	25.8	38.6

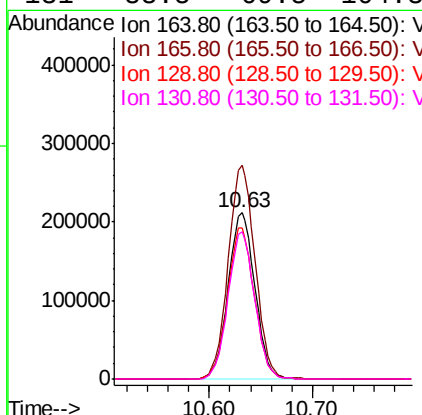
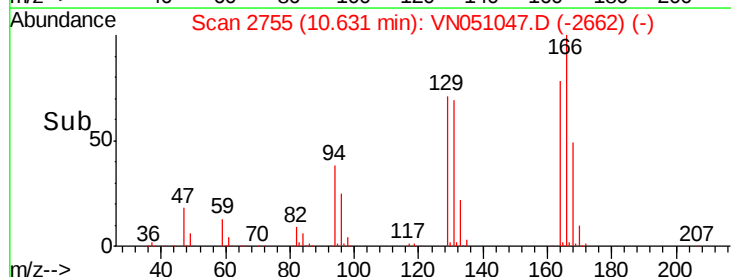
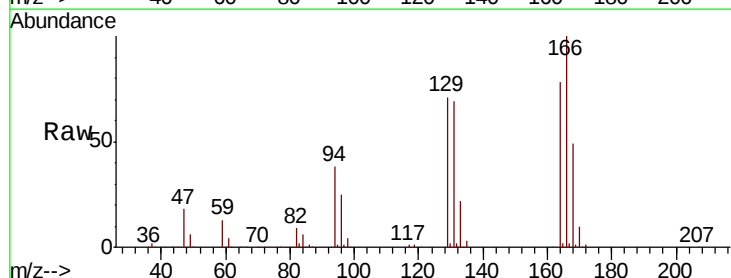
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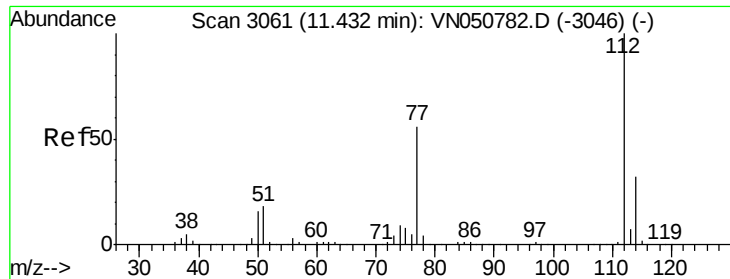
MMDadoda
9/10/2018 11:53:18 AM



#64
Tetrachloroethene
Concen: 51.20 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.5	155.3
129	90.9	72.7	109.1
131	88.5	69.5	104.3





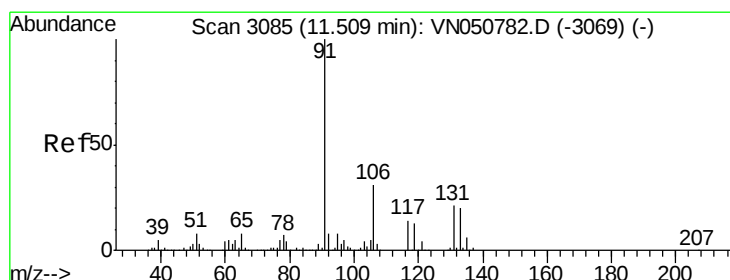
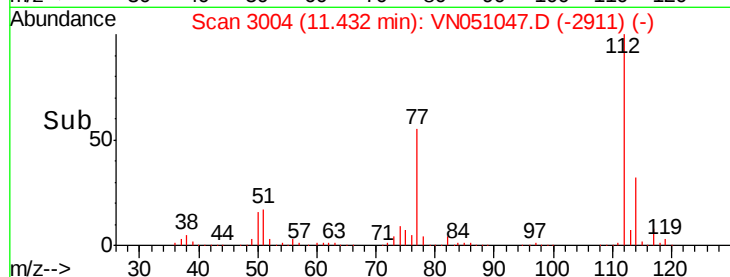
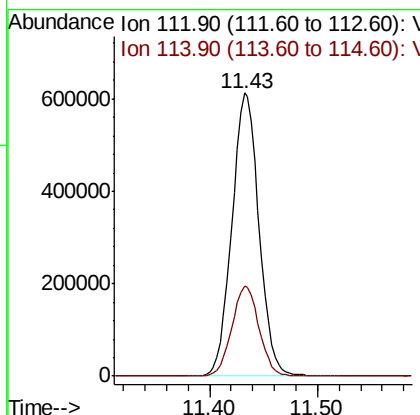
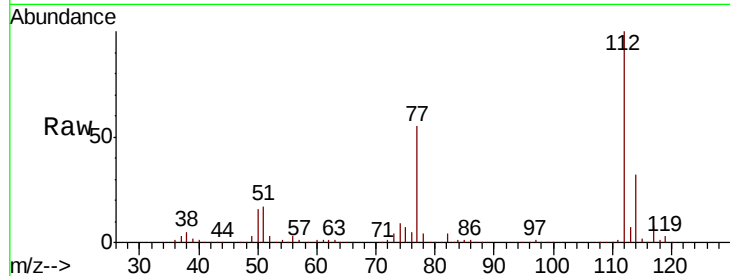
#65
Chlorobenzene
Concen: 51.99 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1071199
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

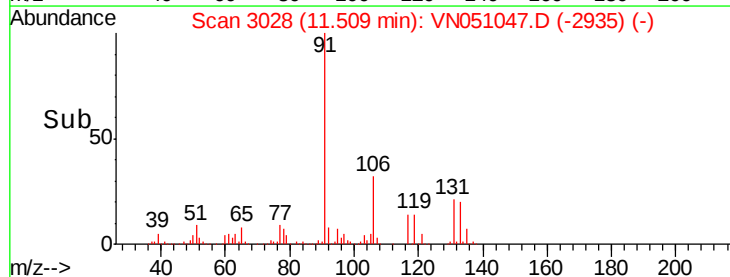
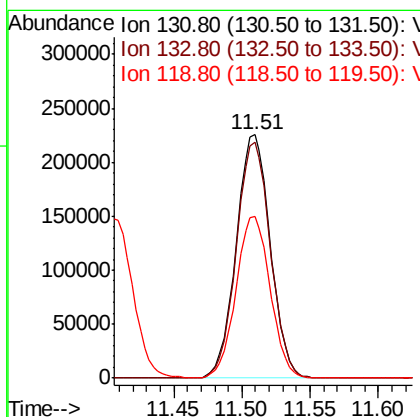
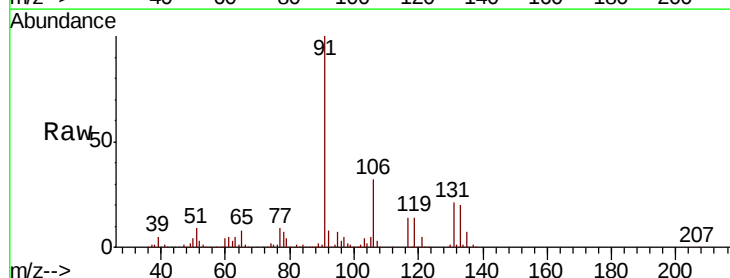
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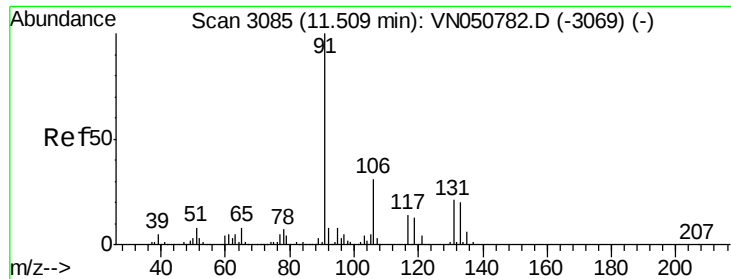
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.89 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion:131 Resp: 391208
Ion Ratio Lower Upper
131 100
133 96.8 47.4 142.3
119 66.5 32.8 98.4





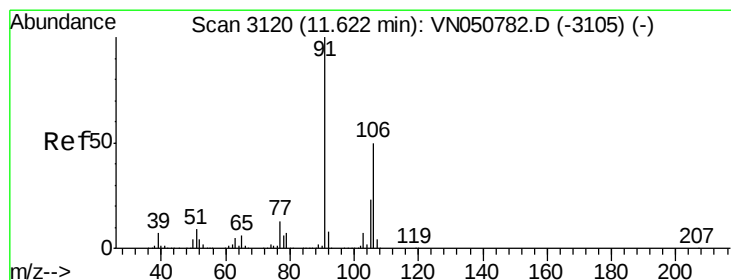
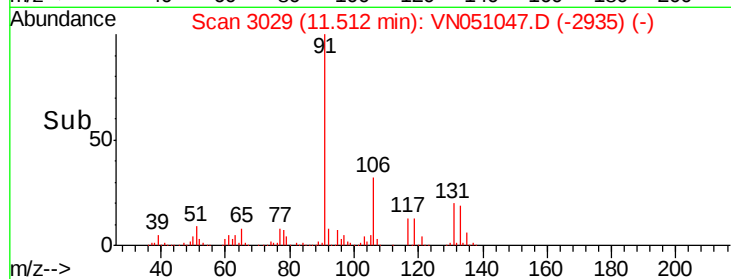
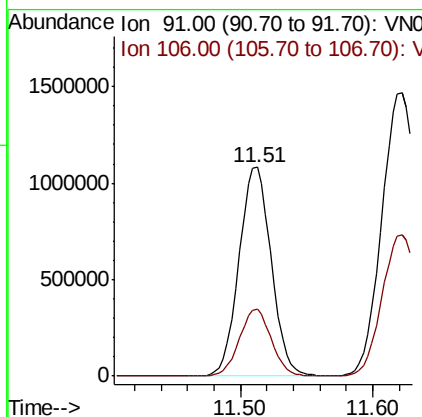
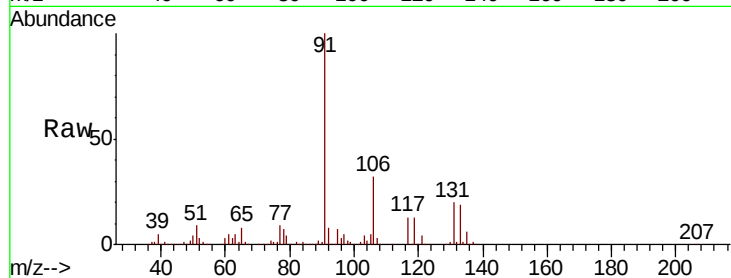
#67
Ethyl Benzene
Concen: 54.55 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1827306
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.4

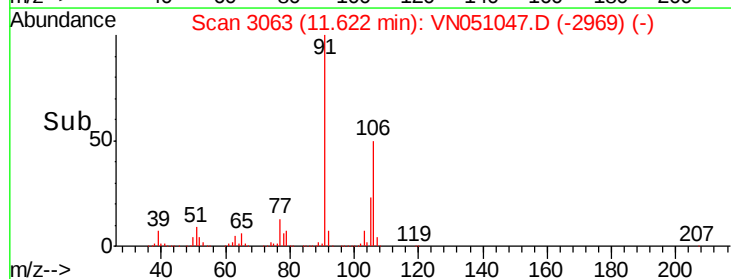
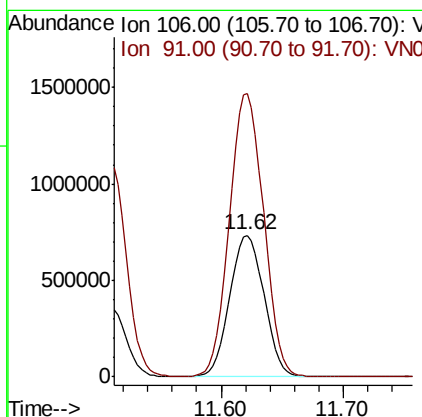
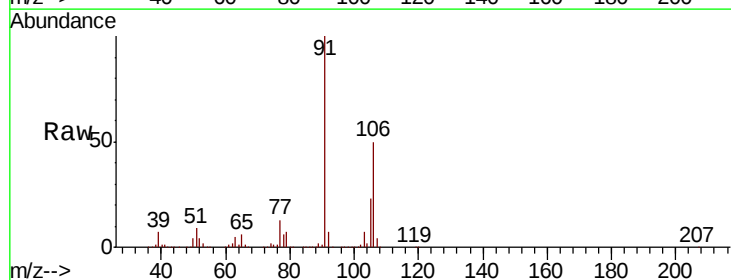
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#68
m/p-Xylenes
Concen: 113.03 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion: 106 Resp: 1437239
Ion Ratio Lower Upper
106 100
91 199.5 161.0 241.6





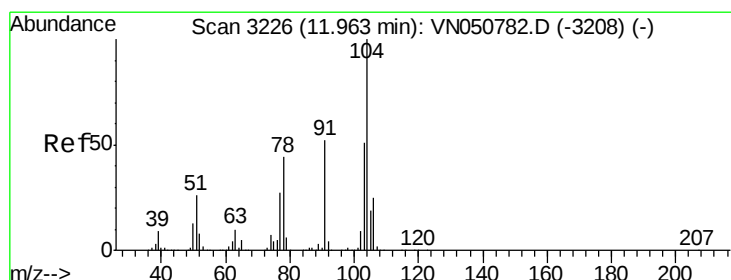
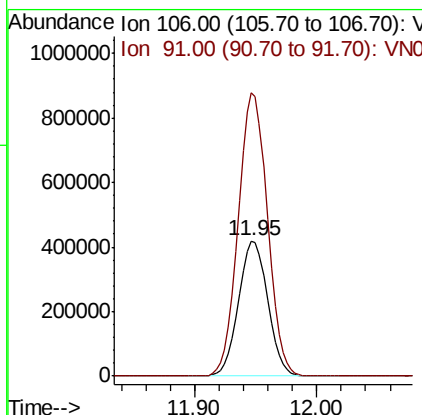
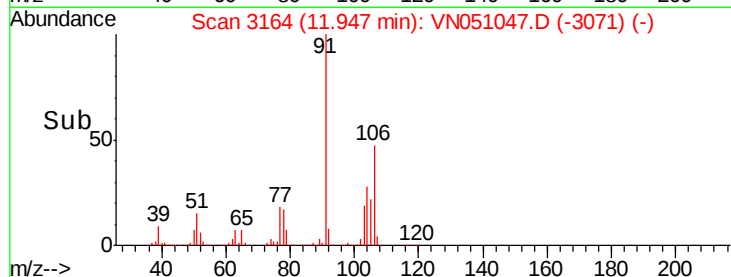
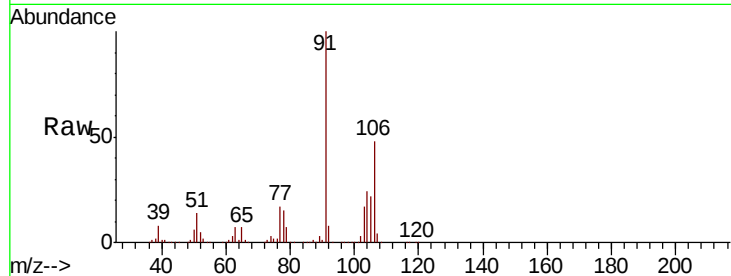
#69
o-Xylene
Concen: 56.44 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		689892		
91	210.1	106.5	319.5		

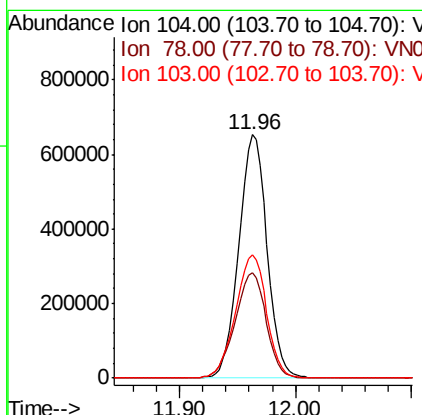
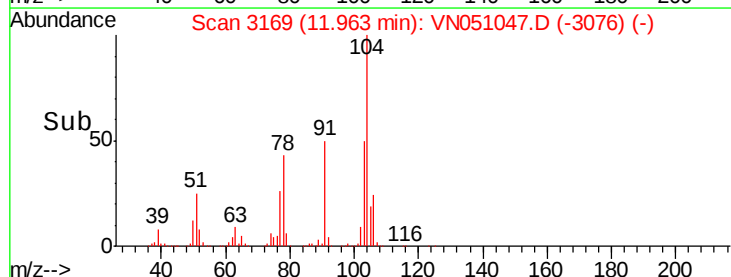
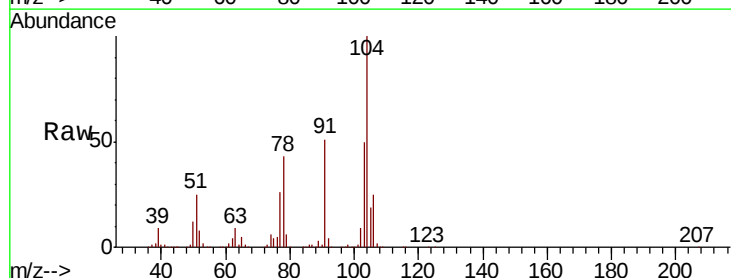
Manual Integrations
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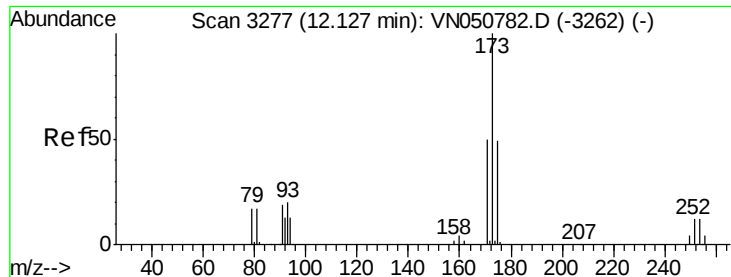
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#70
Styrene
Concen: 51.07 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1100869		
78	47.7	38.2	57.4		
103	55.6	44.4	66.6		





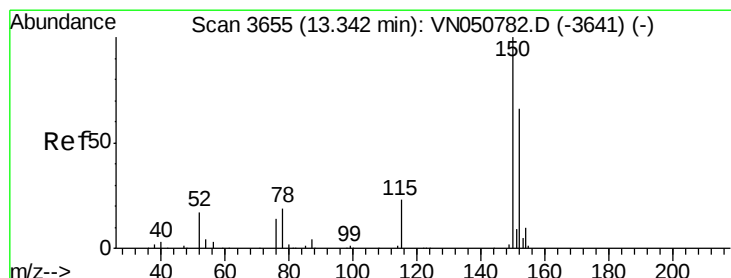
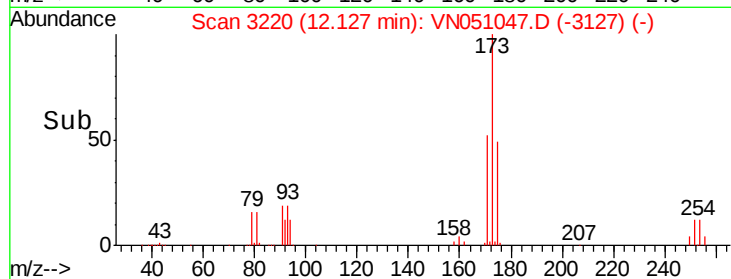
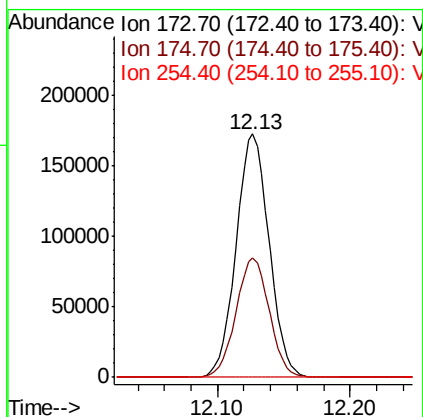
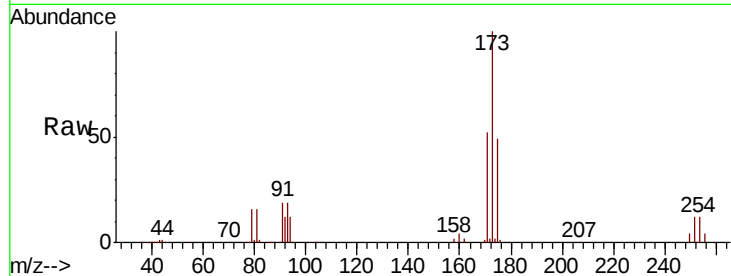
#71
Bromoform
Concen: 57.50 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.4
254	0.0	0.1	0.1#

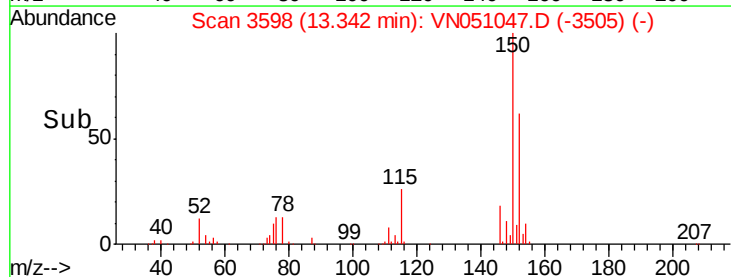
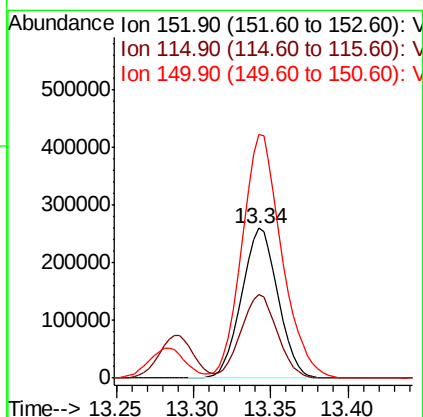
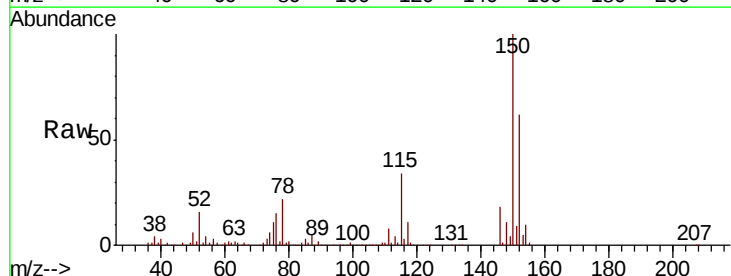
Manual Integrations
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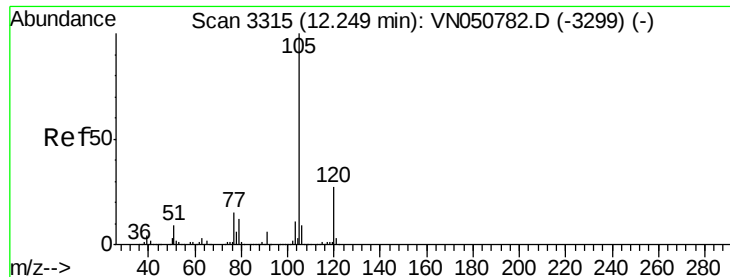
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	177.8	0.0	351.4





#73

Isopropylbenzene

Concen: 51.73 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1819151

Ion Ratio Lower Upper

105 100

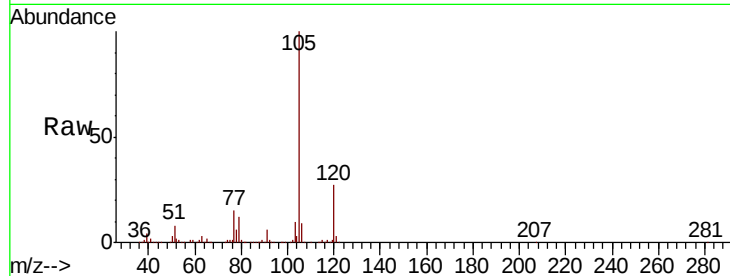
120 27.1 13.5 40.4

Manual Integrations

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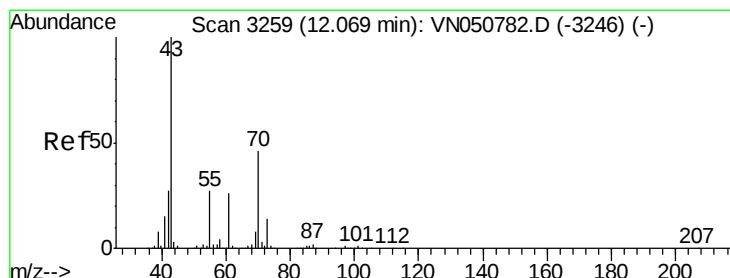
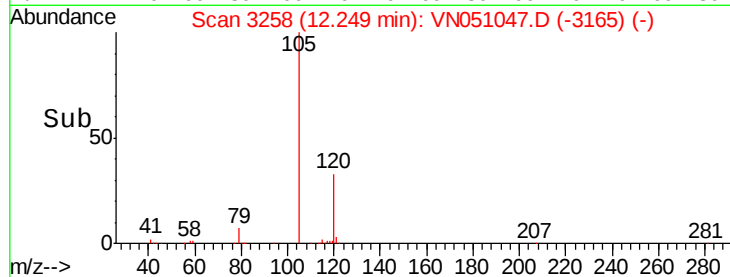
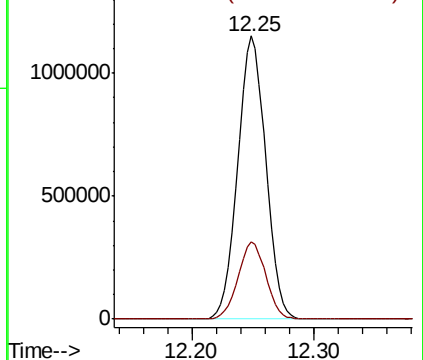
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.98 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Tgt Ion: 43 Resp: 494652

Ion Ratio Lower Upper

43 100

70 46.7 36.2 54.2

55 27.6 21.8 32.8

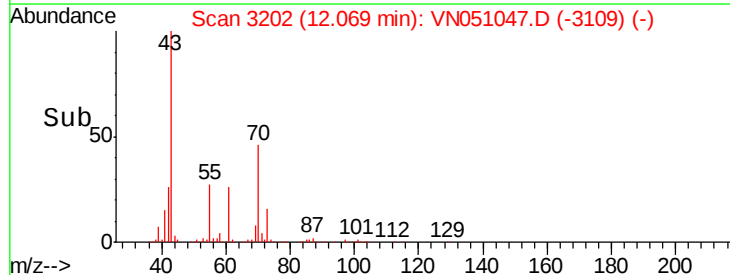
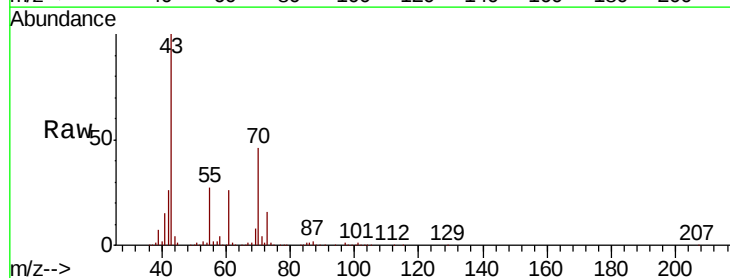
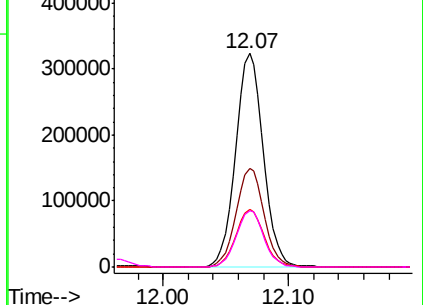
61 26.2 20.5 30.7

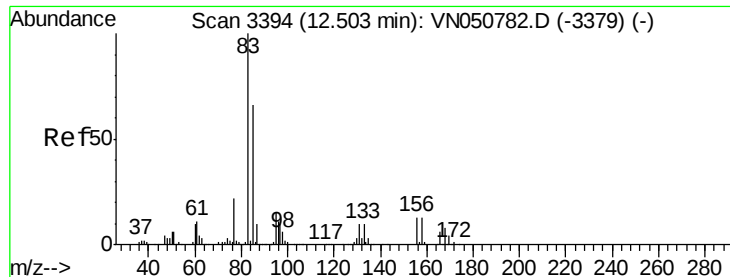
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.45 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

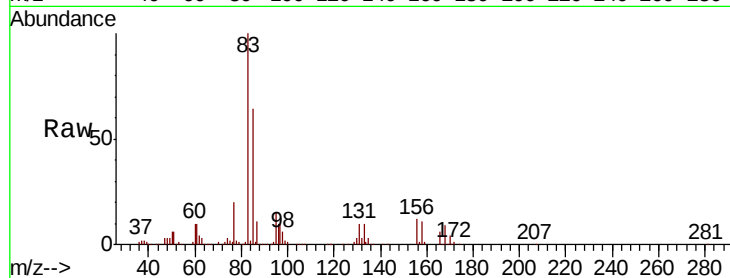
ClientSampleId :

VSTDCCC050

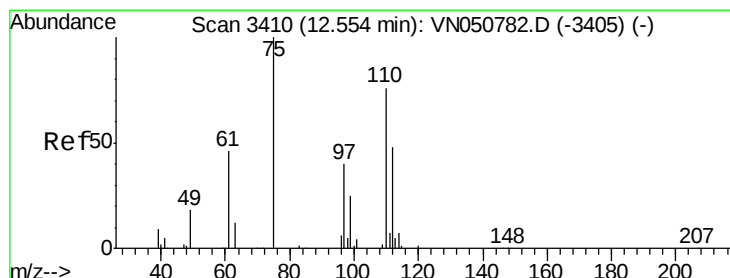
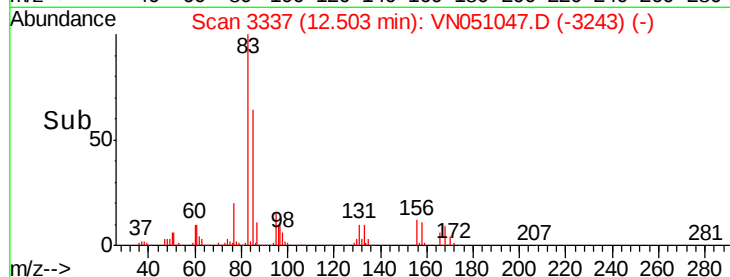
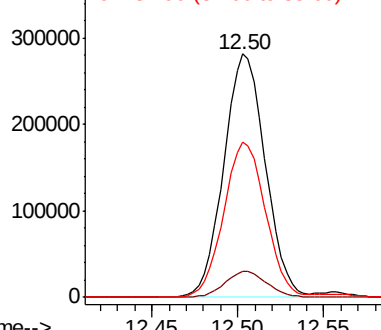
Tot Ion:	83	Resp:	471525
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	64.2	31.9	95.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN051047.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 50.51 ug/l m

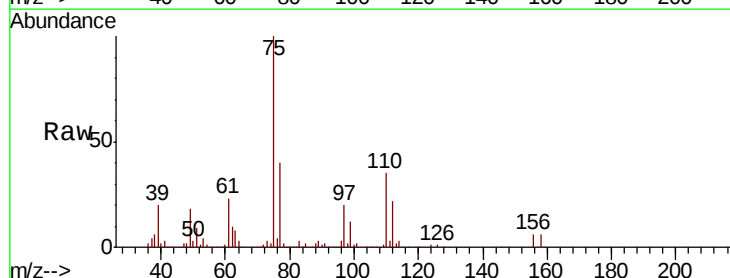
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

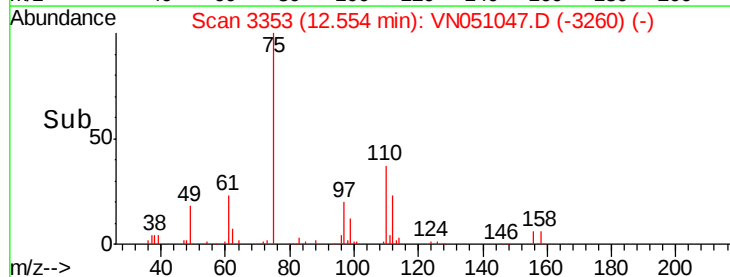
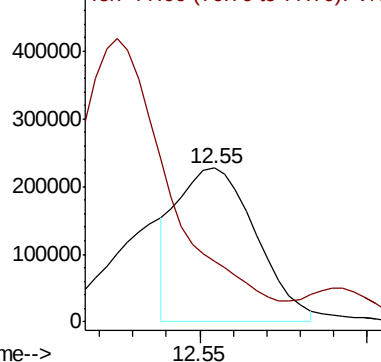
Lab File: VN051047.D

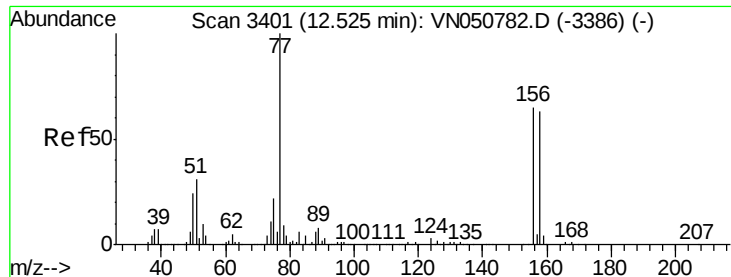
Acq: 7 Sep 2018 12:24

Tgt Ion:	75	Resp:	375725
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051047.D (-3260) (-)





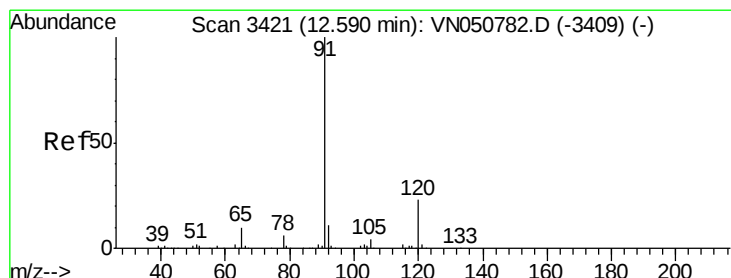
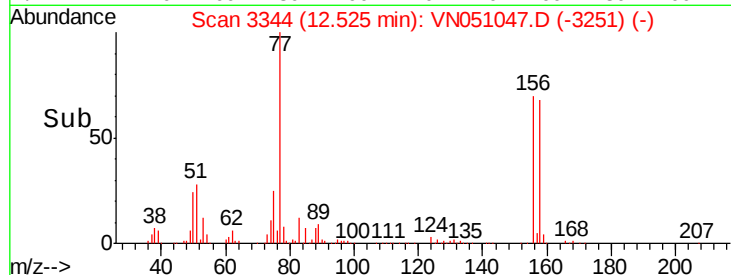
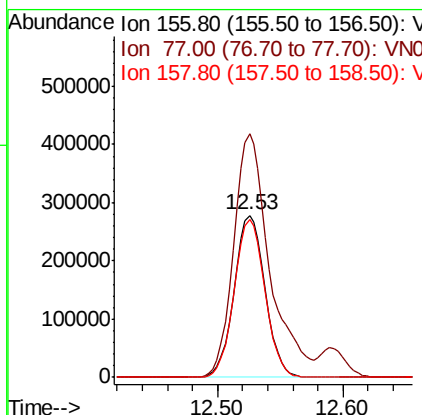
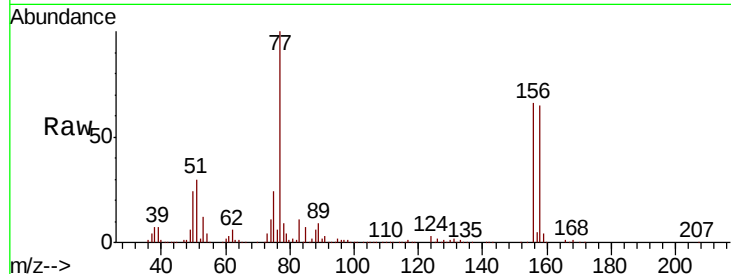
#77
Bromobenzene
Concen: 49.51 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	176.7	89.9	269.7	
158	97.6	49.3	147.9	

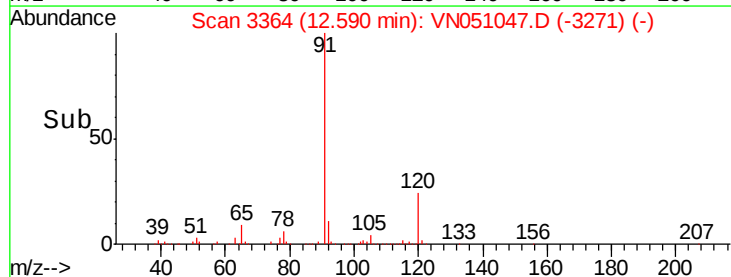
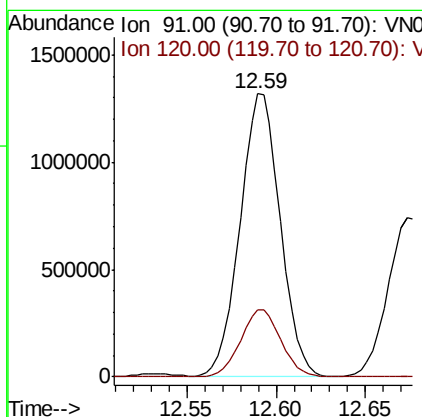
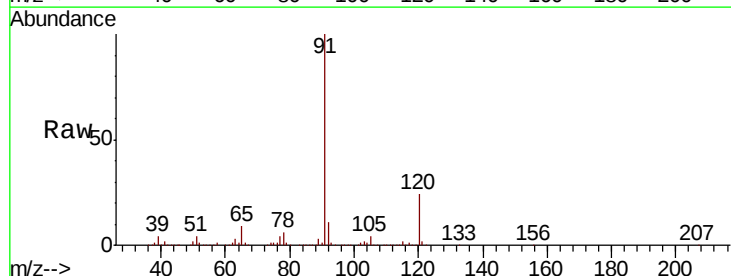
Manual Integrations
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#78
n-propylbenzene
Concen: 52.59 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.8	11.7	35.0	





#79

2-Chlorotoluene

Concen: 50.37 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1232627

Ion Ratio Lower Upper

91 100

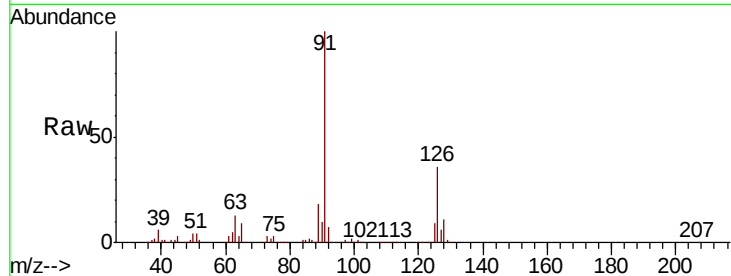
126 36.0 17.8 53.3

Manual Integrations

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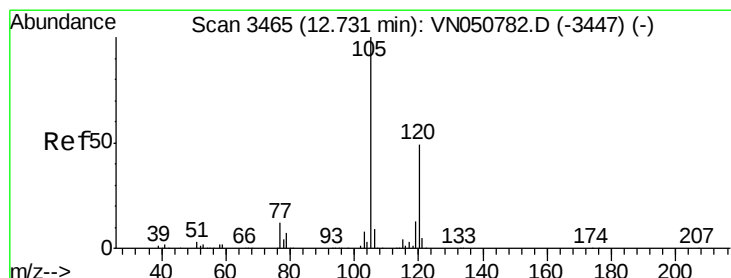
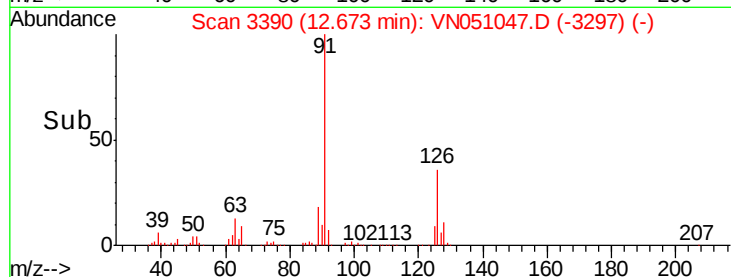
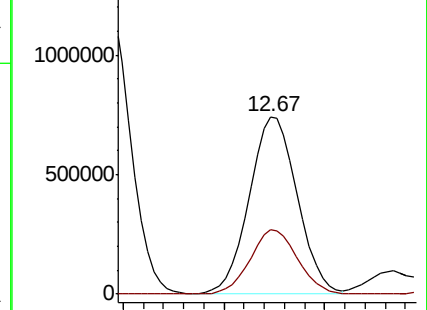
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050782.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.29 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051047.D

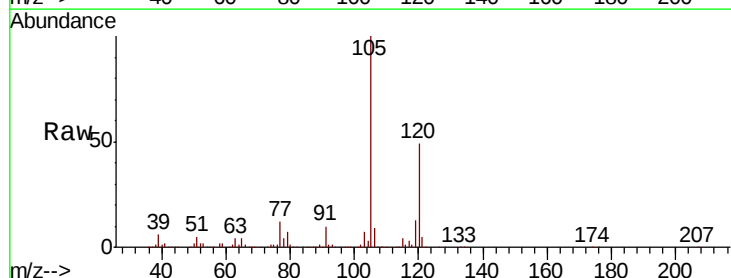
Acq: 7 Sep 2018 12:24

Tgt Ion: 105 Resp: 1512122

Ion Ratio Lower Upper

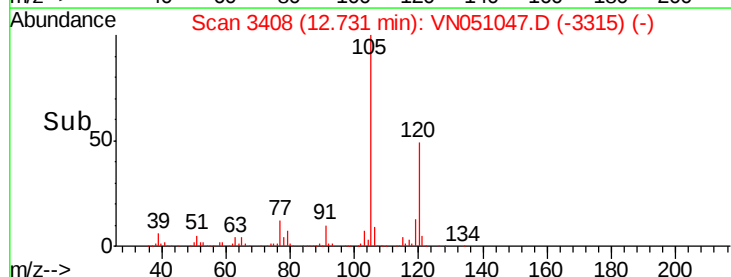
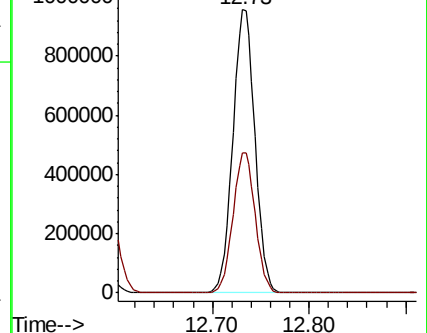
105 100

120 49.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050782.D (-3447) (-)

Ion 120.00 (119.70 to 120.70): VN050782.D (-3447) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.76 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

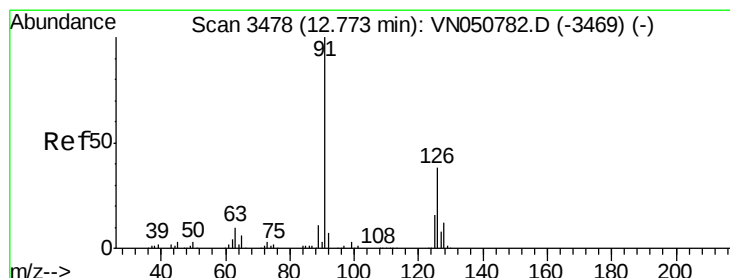
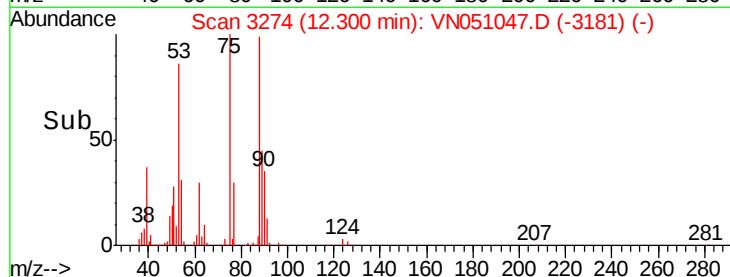
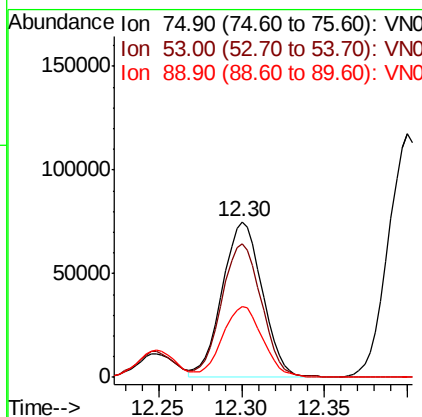
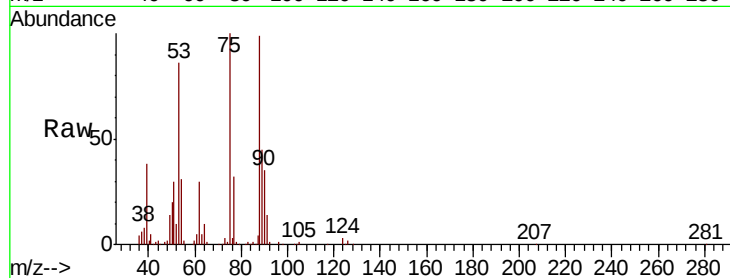
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	124905
Ion	Ratio	Lower	Upper
75	100		
53	86.8	68.9	103.3
89	46.2	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.49 ug/l

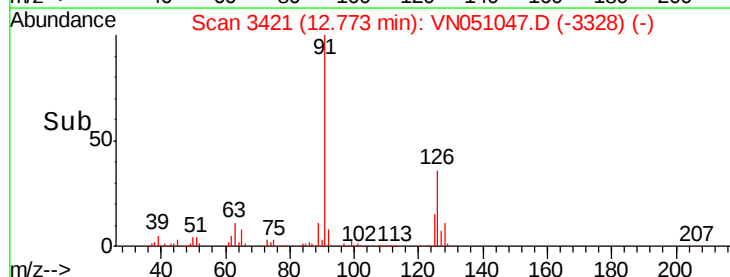
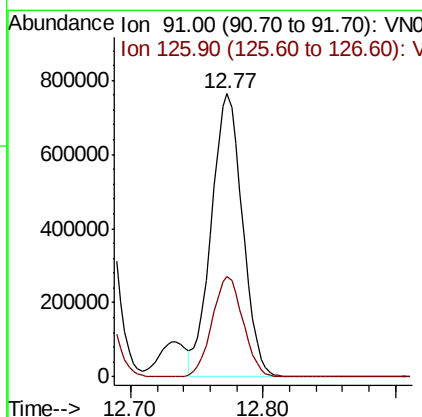
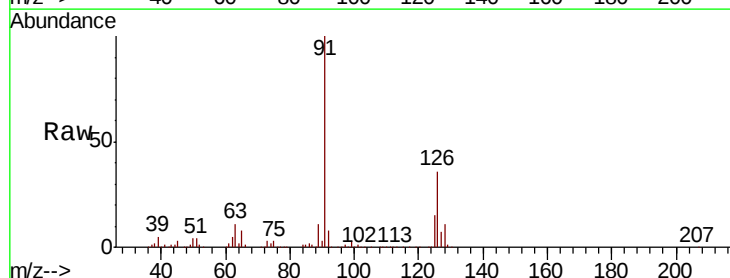
RT: 12.77 min Scan# 3421

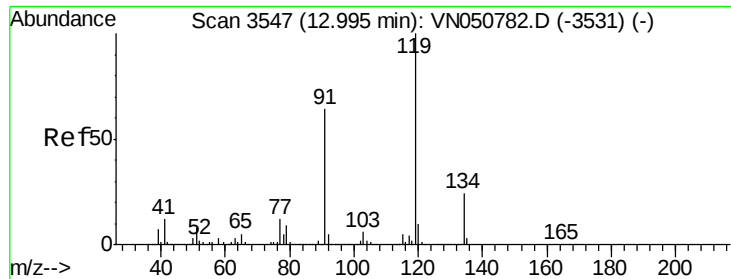
Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Tgt Ion:	91	Resp:	1243904
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





#83

tert-Butylbenzene

Concen: 52.89 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:119 Resp: 1299646

Ion Ratio Lower Upper

119 100

91 62.5 31.6 94.7

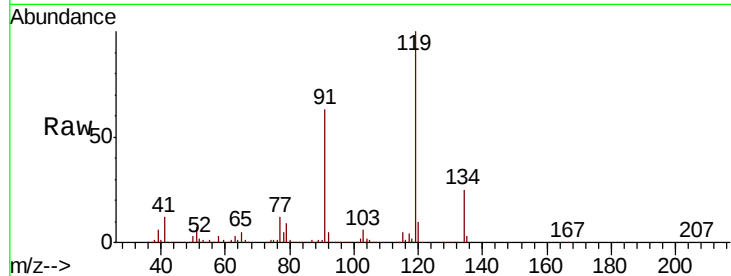
134 24.8 13.4 40.1

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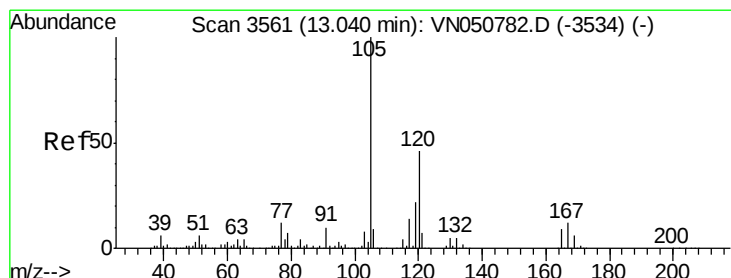
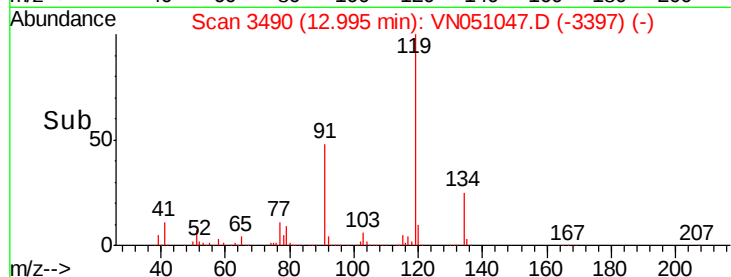
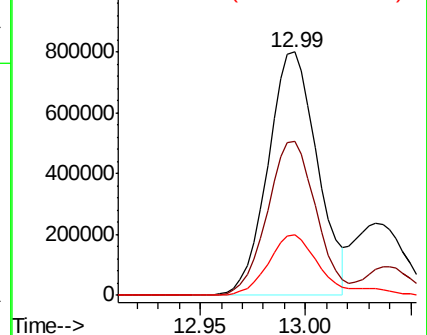
9/10/2018 11:53:18 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.98 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051047.D

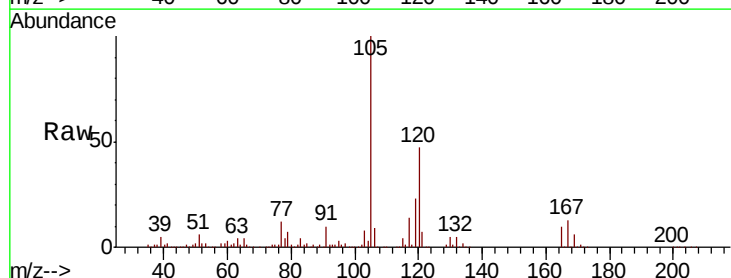
Acq: 7 Sep 2018 12:24

Tgt Ion:105 Resp: 1540816

Ion Ratio Lower Upper

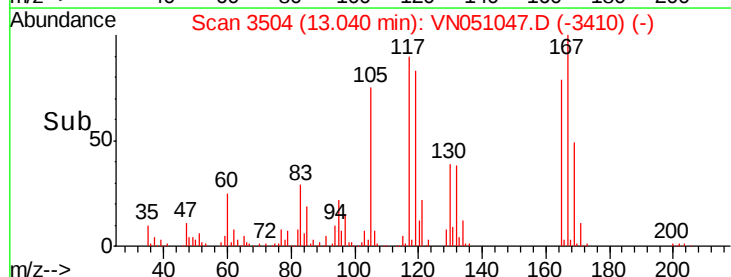
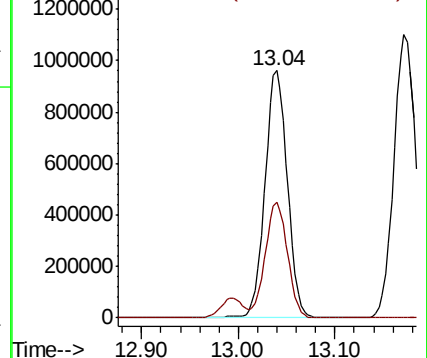
105 100

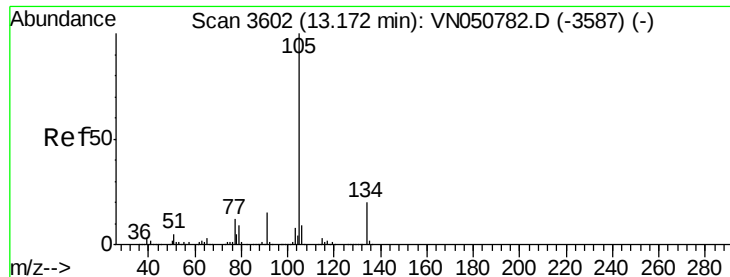
120 46.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.76 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1731085

Ion Ratio Lower Upper

105 100

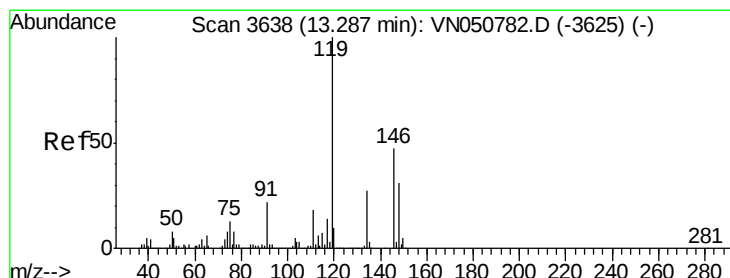
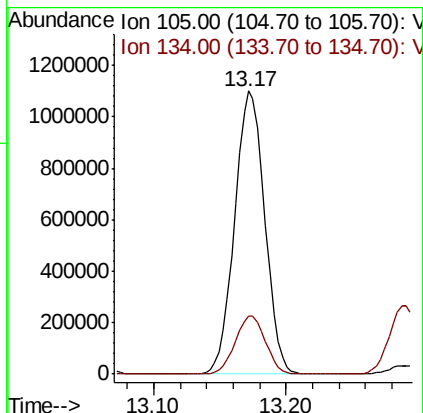
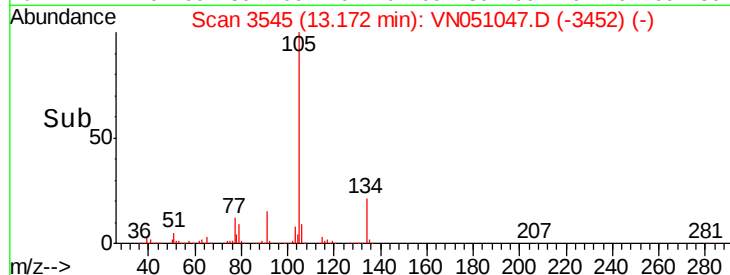
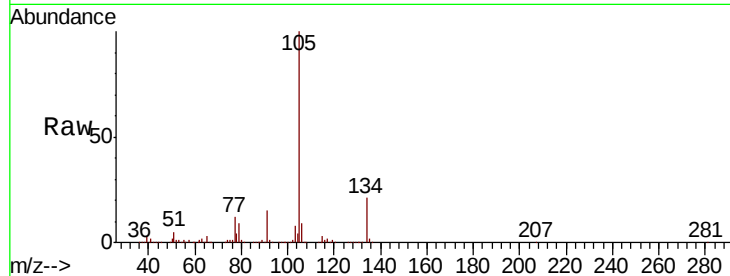
134 20.7 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.32 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

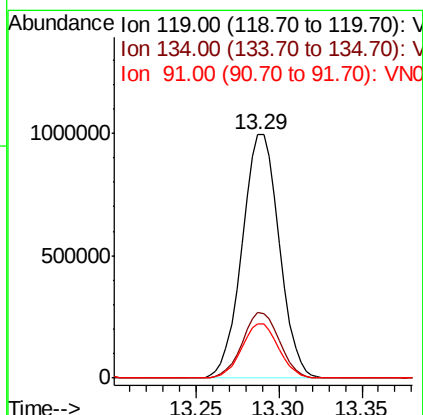
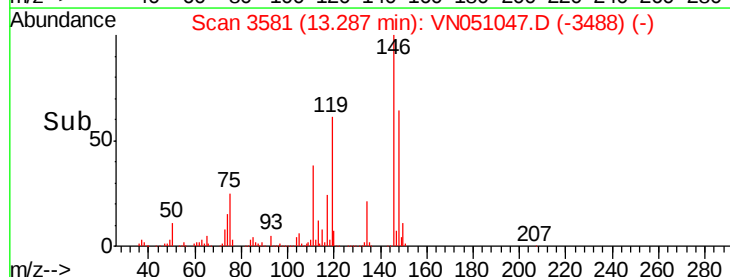
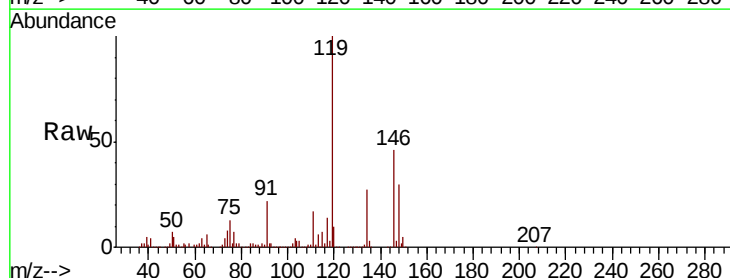
Tgt Ion:119 Resp: 1545425

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 22.1 11.2 33.5





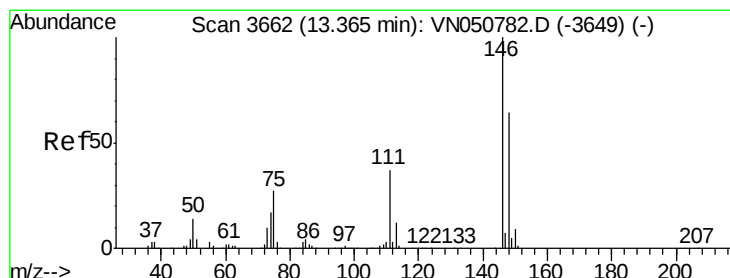
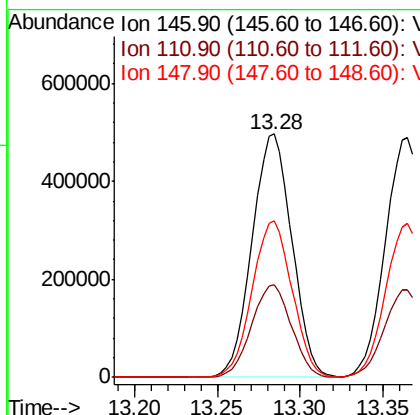
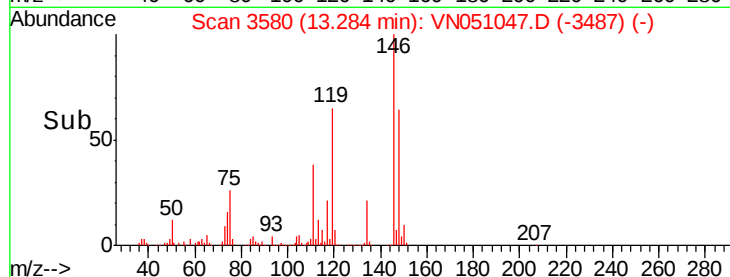
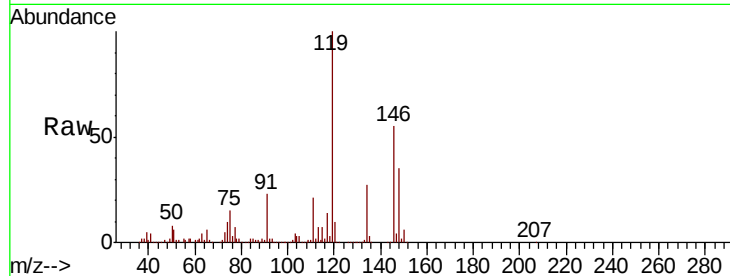
#87
 1,3-Dichlorobenzene
 Concen: 51.21 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.3
148	64.3	32.2	96.6

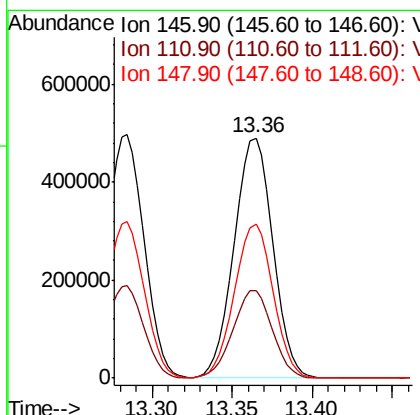
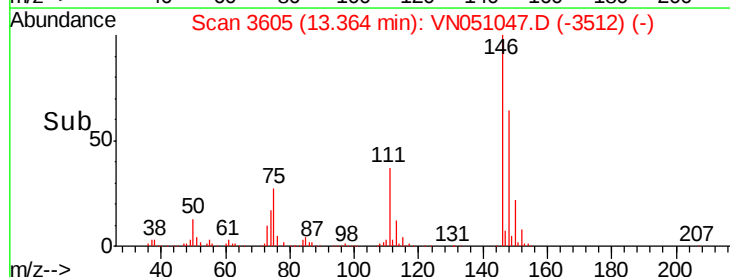
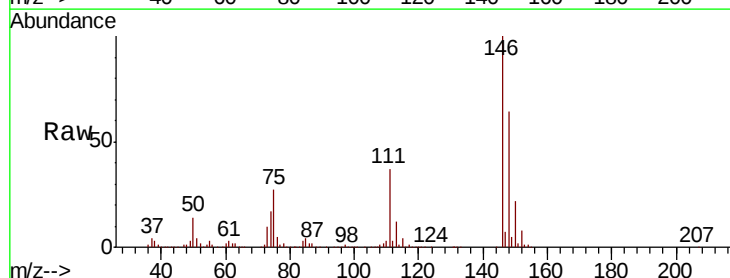
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#88
 1,4-Dichlorobenzene
 Concen: 50.64 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.3
148	64.0	32.2	96.6





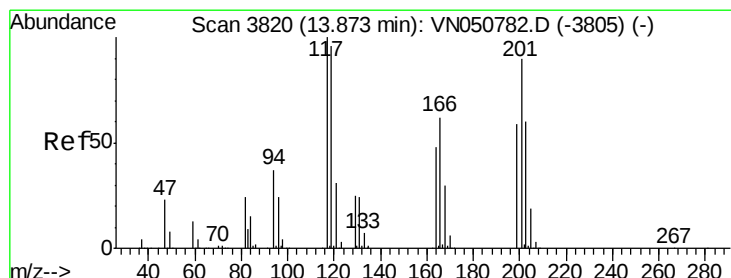
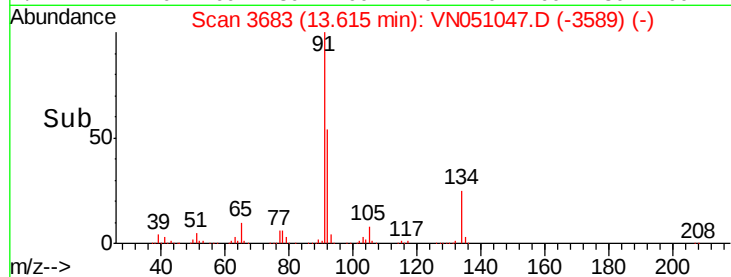
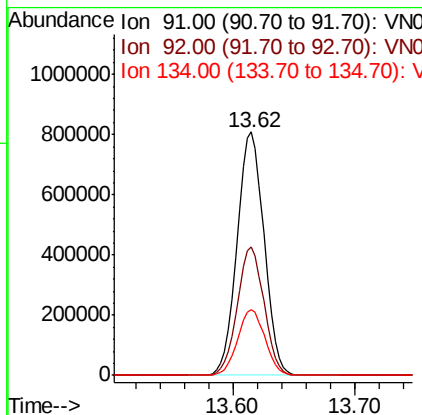
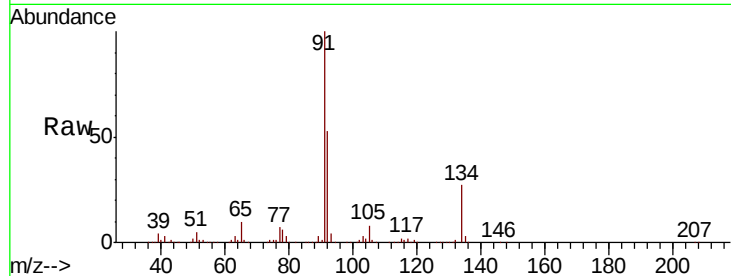
#89
n-Butylbenzene
Concen: 56.11 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1231396
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.2
134 27.3 13.2 39.6

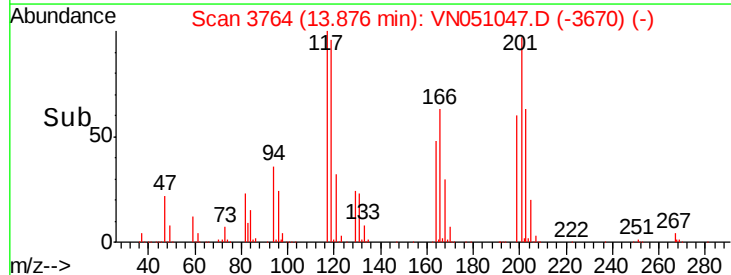
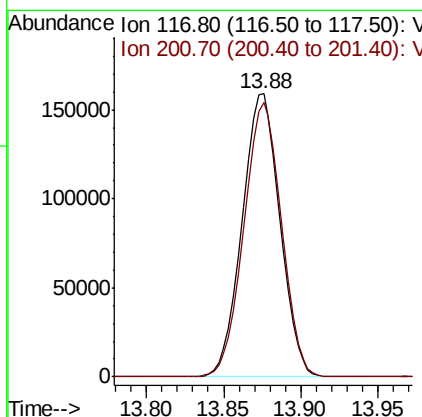
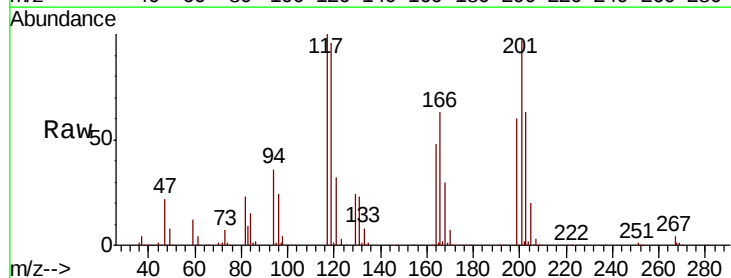
Manual Integrations
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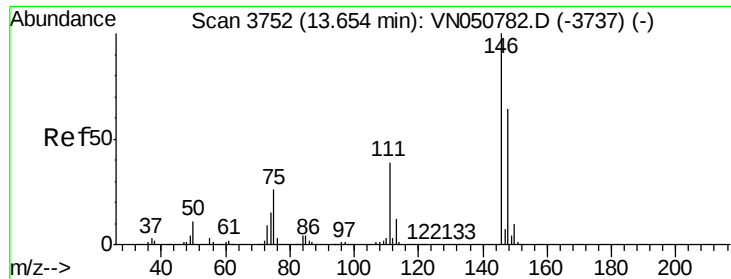
MMDadoda
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#90
Hexachloroethane
Concen: 51.80 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051047.D
Acq: 7 Sep 2018 12:24

Tgt Ion: 117 Resp: 270920
Ion Ratio Lower Upper
117 100
201 96.2 46.0 137.8





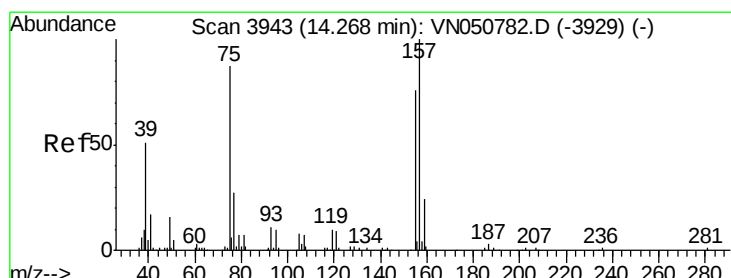
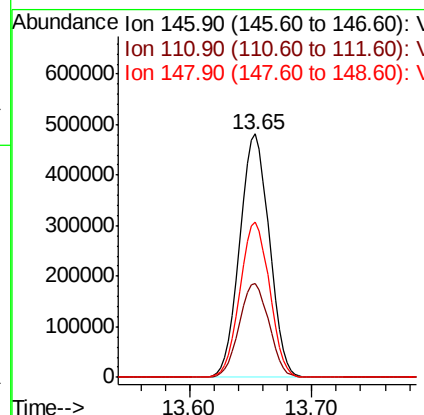
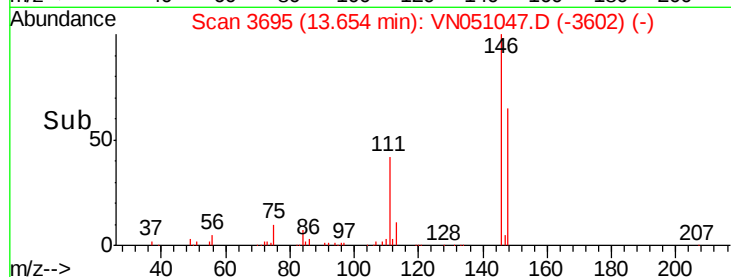
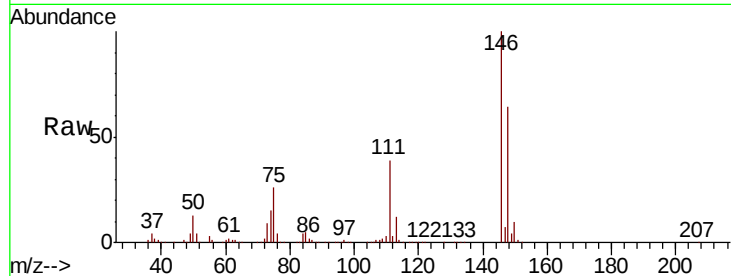
#91
 1,2-Dichlorobenzene
 Concen: 51.62 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.3
148	63.9	32.3	96.8

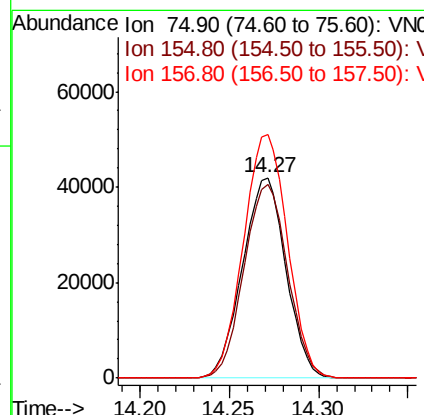
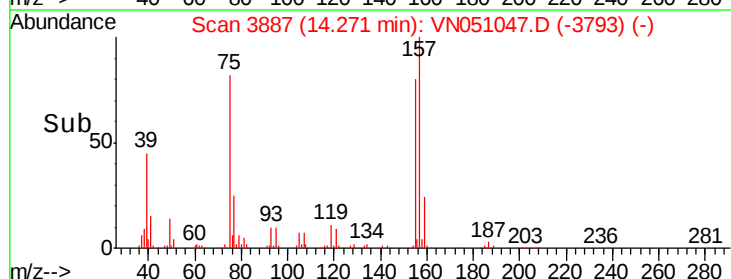
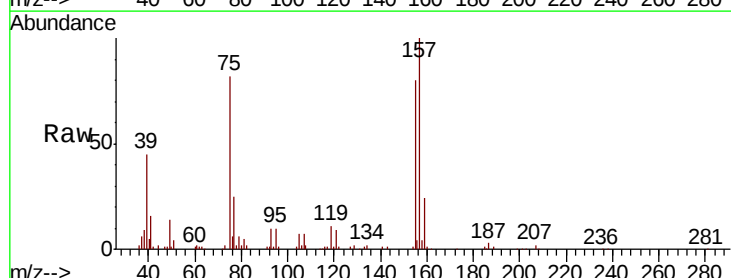
Manual Integrations
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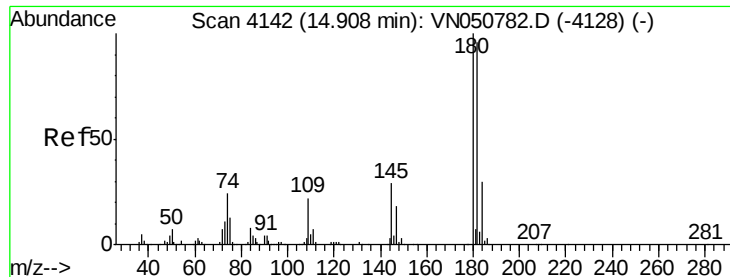
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.50 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	46.4	139.1
157	122.9	60.7	182.0





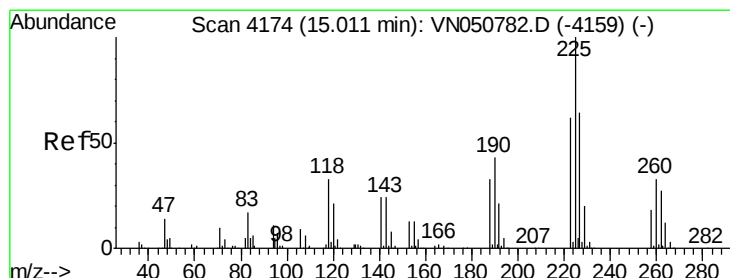
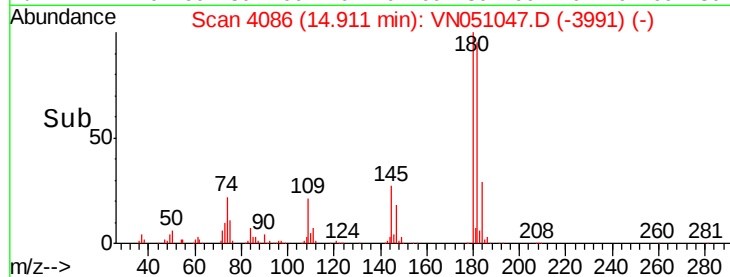
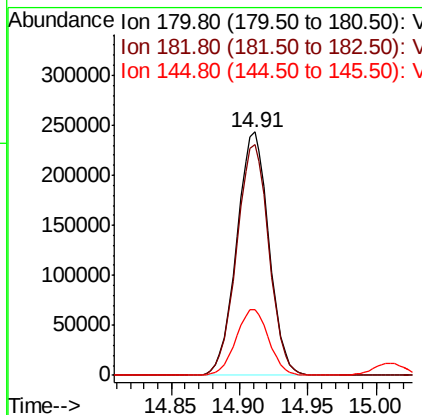
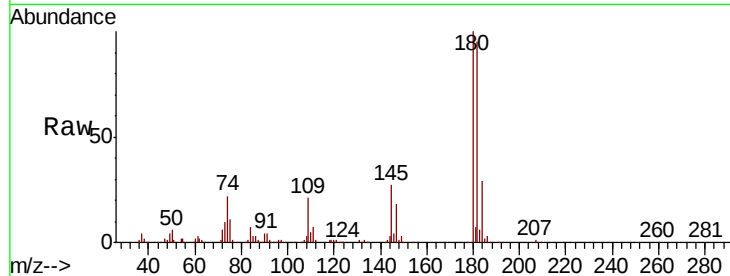
#93
 1,2,4-Trichlorobenzene
 Concen: 48.95 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	397656		
182	95.5	48.2	144.6	
145	27.5	14.1	42.2	

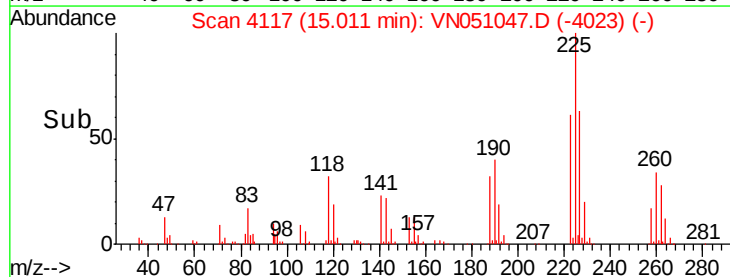
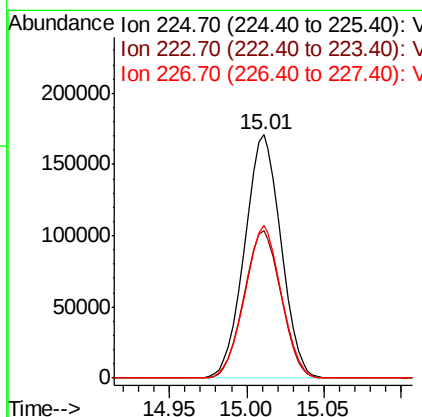
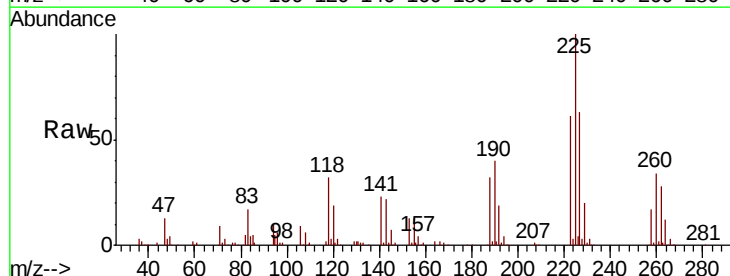
Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:53:18 AM



#94
 Hexachlorobutadiene
 Concen: 60.57 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051047.D
 Acq: 7 Sep 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	279835		
223	61.7	31.3	93.8	
227	62.6	32.0	96.2	





#95

Naphthalene

Concen: 47.82 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Instrument :

MSVOA_N

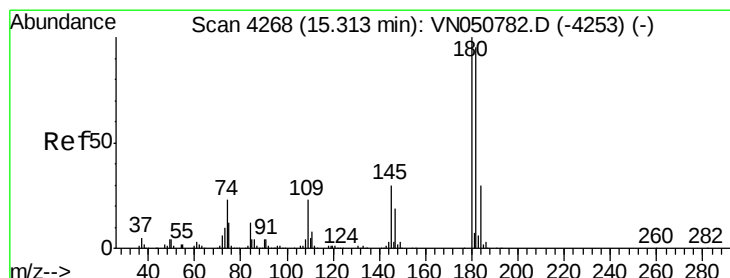
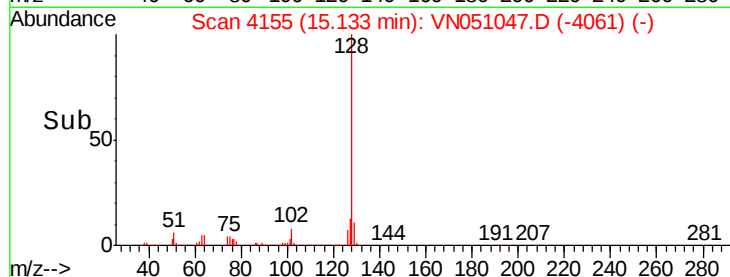
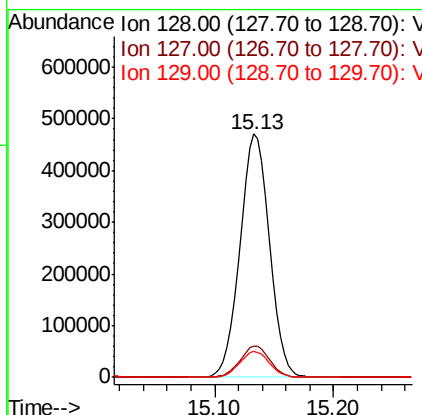
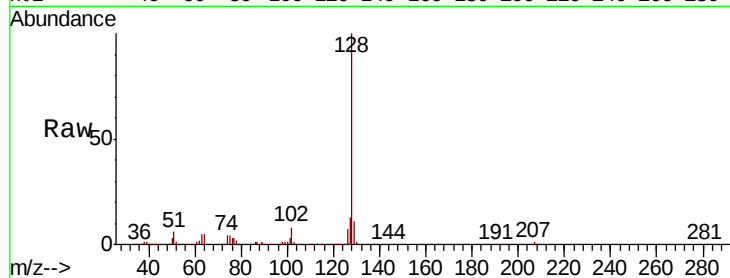
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	807027
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:53:18 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.78 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051047.D

Acq: 7 Sep 2018 12:24

Tgt Ion:	180	Resp:	387938
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.0	144.2
145	29.7	15.2	45.6

