

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052995.D
 Acq On : 19 Dec 2018 7:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:08:19 PM

Quant Time: Dec 19 08:00:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1033350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1615360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1440749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	677184	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	561721	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
35) Dibromofluoromethane	7.59	113	434408	58.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.74%	
50) Toluene-d8	10.09	98	2056853	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	715904	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	515439	49.285	ug/l 99
3) Chloromethane	2.06	50	641426	50.613	ug/l 100
4) Vinyl Chloride	2.19	62	642340	50.046	ug/l 99
5) Bromomethane	2.57	94	412396	46.376	ug/l 100
6) Chloroethane	2.71	64	383331	50.428	ug/l 99
7) Trichlorofluoromethane	3.02	101	810477	50.689	ug/l 100
8) Diethyl Ether	3.41	74	311180	51.588	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	494875	48.543	ug/l 97
10) Methyl Iodide	3.96	142	746840	52.166	ug/l 99
11) Tert butyl alcohol	4.77	59	168655	263.586	ug/l 99
12) 1,1-Dichloroethene	3.74	96	495351	50.293	ug/l 98
13) Acrolein	3.61	56	200222	345.106	ug/l 99
14) Allyl chloride	4.33	41	797630	52.283	ug/l 95
15) Acrylonitrile	4.99	53	918490	258.389	ug/l 99
16) Acetone	3.82	43	584919	284.482	ug/l 96
17) Carbon Disulfide	4.06	76	1473178	45.864	ug/l 99
18) Methyl Acetate	4.32	43	474224	50.801	ug/l 99
19) Methyl tert-butyl Ether	5.04	73	1389213	52.707	ug/l 99
20) Methylene Chloride	4.55	84	571107	50.920	ug/l 98
21) trans-1,2-Dichloroethene	5.05	96	528127	49.908	ug/l 99
22) Diisopropyl ether	5.95	45	1728051	53.066	ug/l 97
23) Vinyl Acetate	5.90	43	4903591	261.868	ug/l 99
24) 1,1-Dichloroethane	5.85	63	991338	51.230	ug/l 99
25) 2-Butanone	6.83	43	958237	277.701	ug/l 99
26) 2,2-Dichloropropane	6.83	77	532313	36.036	ug/l 97
27) cis-1,2-Dichloroethene	6.83	96	608176	50.766	ug/l 97
28) Bromochloromethane	7.20	49	429424	51.213	ug/l 96
29) Tetrahydrofuran	7.21	42	686742	266.473	ug/l 98
30) Chloroform	7.37	83	968168	50.932	ug/l 100
31) Cyclohexane	7.66	56	928901	51.209	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	822127	50.769	ug/l 99
36) 1,1-Dichloropropene	7.79	75	755024	48.697	ug/l 99
37) Ethyl Acetate	6.93	43	457539	52.861	ug/l 99
38) Carbon Tetrachloride	7.78	117	706626	49.722	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	885715	47.025	ug/l	99
40) Benzene	8.04	78	2316540	50.230	ug/l	99
41) Methacrylonitrile	7.17	41	250311	50.052	ug/l	99
42) 1,2-Dichloroethane	8.13	62	683346	50.157	ug/l	100
43) Isopropyl Acetate	8.16	43	868504	51.891	ug/l	99
44) Trichloroethene	8.84	130	652498	48.916	ug/l	96
45) 1,2-Dichloropropane	9.12	63	606332	50.475	ug/l	100
46) Dibromomethane	9.21	93	350397	50.072	ug/l	98
47) Bromodichloromethane	9.40	83	747497	50.252	ug/l	100
48) Methyl methacrylate	9.20	41	431127	51.331	ug/l	99
49) 1,4-Dioxane	9.20	88	106418	1001.640	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2223468	265.263	ug/l	99
52) Toluene	10.16	92	1436600	50.256	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	732345	46.820	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	862000	48.011	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	505035	50.643	ug/l	99
56) Ethyl methacrylate	10.43	69	688869	52.189	ug/l	97
57) 1,3-Dichloropropane	10.71	76	868909	50.810	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1913608	264.072	ug/l	98
59) 2-Hexanone	10.75	43	1504938	265.365	ug/l	99
60) Dibromochloromethane	10.90	129	569363	49.877	ug/l	99
61) 1,2-Dibromoethane	11.01	107	513799	50.730	ug/l	100
64) Tetrachloroethene	10.63	164	759652	48.675	ug/l	98
65) Chlorobenzene	11.43	112	1580580	49.490	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	557258	50.176	ug/l	99
67) Ethyl Benzene	11.51	91	2737699	49.845	ug/l	100
68) m/p-Xylenes	11.62	106	2070052	99.142	ug/l	99
69) o-Xylene	11.95	106	1015688	50.694	ug/l	100
70) Styrene	11.96	104	1668601	51.074	ug/l	99
71) Bromoform	12.13	173	392075	48.867	ug/l	# 100
73) Isopropylbenzene	12.25	105	2685111	50.678	ug/l	100
74) N-amyl acetate	12.07	43	784103	53.303	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	541228	52.068	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	501883m	44.026	ug/l	
77) Bromobenzene	12.53	156	689311	50.049	ug/l	97
78) n-propylbenzene	12.59	91	3024158	50.116	ug/l	100
79) 2-Chlorotoluene	12.68	91	1783928	47.694	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2143381	49.631	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	161590	45.688	ug/l	95
82) 4-Chlorotoluene	12.77	91	1811413	49.472	ug/l	100
83) tert-Butylbenzene	12.99	119	1873943	49.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2161050	49.777	ug/l	100
85) sec-Butylbenzene	13.17	105	2490760	48.213	ug/l	100
86) p-Isopropyltoluene	13.29	119	2159052	48.366	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1199443	49.206	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1179961	47.800	ug/l	100
89) n-Butylbenzene	13.62	91	1753569	45.661	ug/l	100
90) Hexachloroethane	13.88	117	334696	48.858	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1147489	50.018	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	89744	49.933	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	580051	47.750	ug/l	100
94) Hexachlorobutadiene	15.01	225	321135	51.091	ug/l	99
95) Naphthalene	15.13	128	1262442	47.475	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	518718	47.419	ug/l	100

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

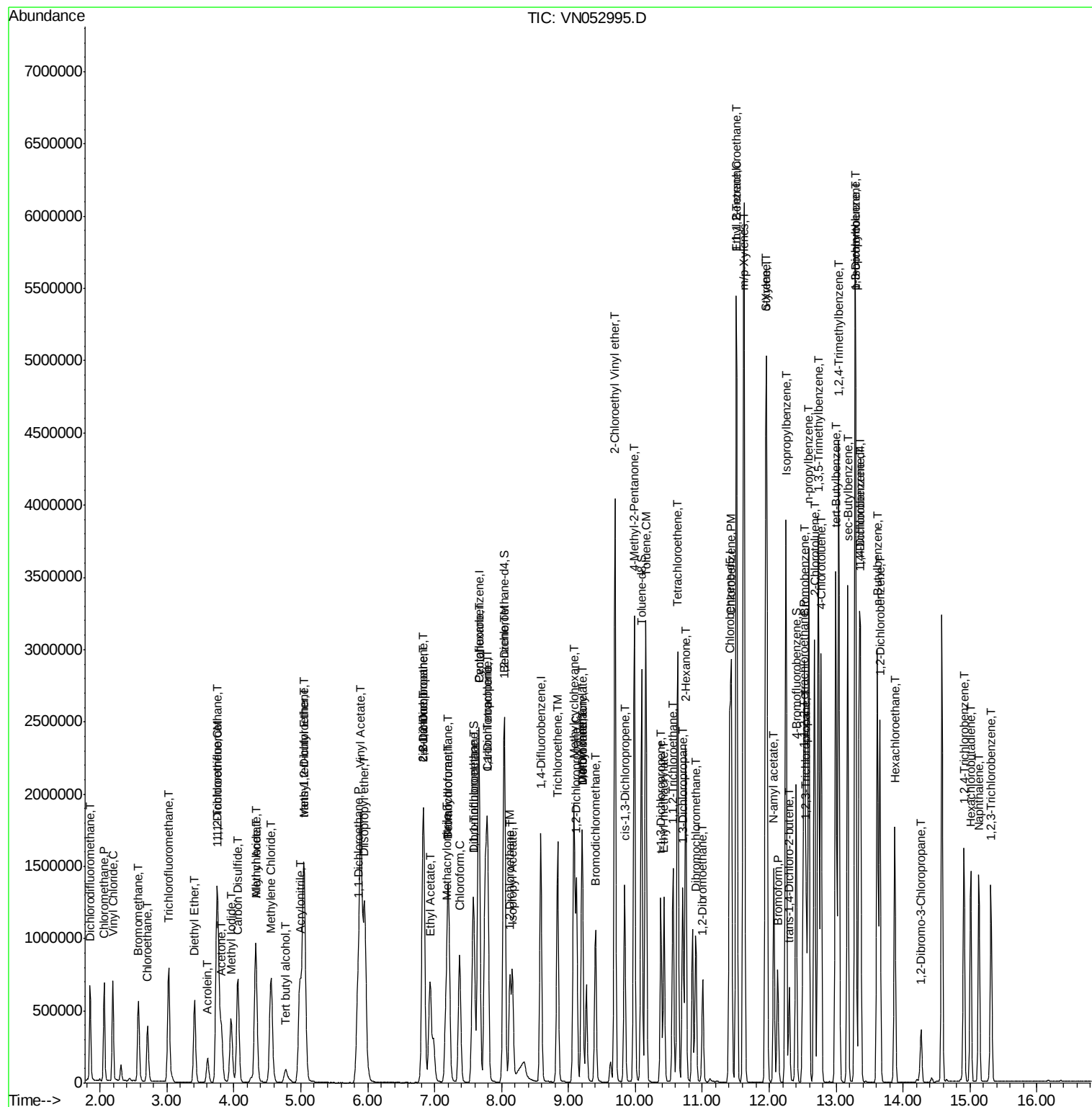
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
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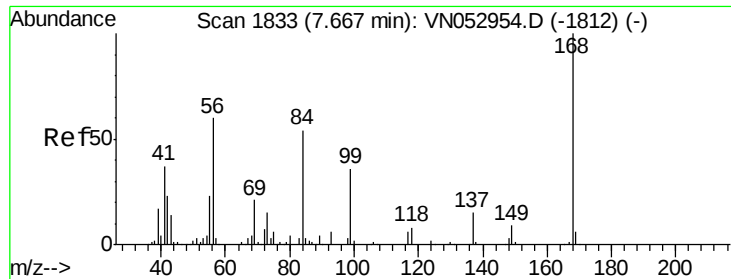
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 1033350

Ion Ratio Lower Upper

168 100

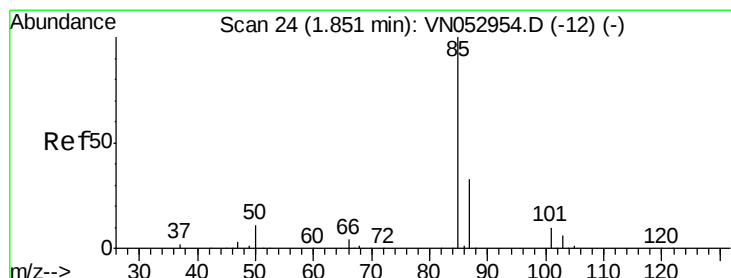
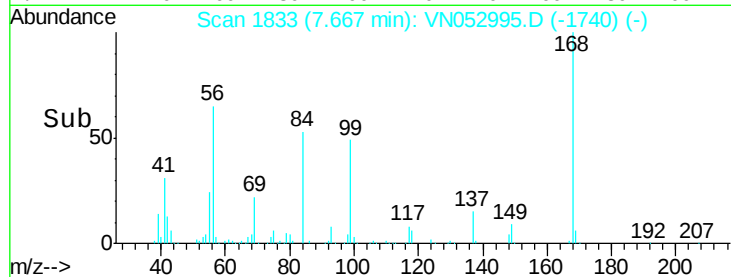
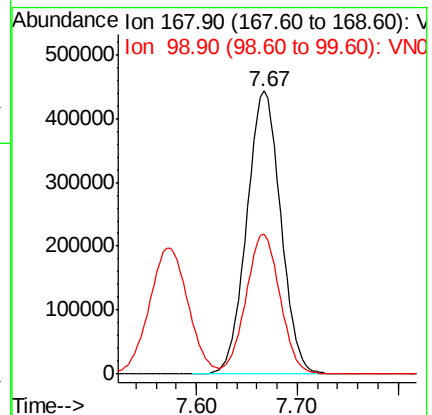
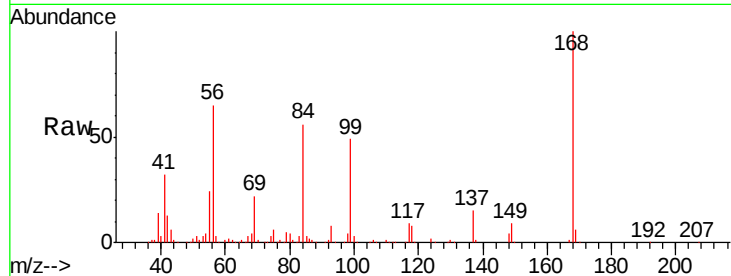
99 49.3 40.2 60.2

Manual Integrations

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12/19/2018 12:08:19 PM



#2

Dichlorodifluoromethane

Concen: 49.285 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052995.D

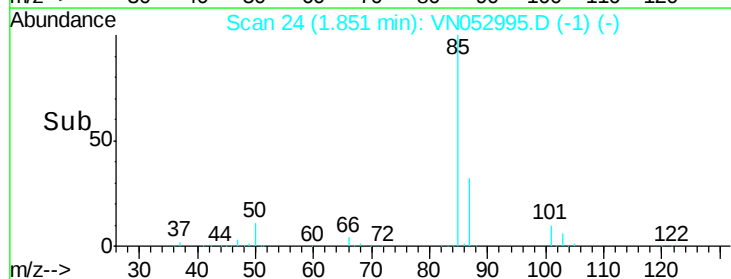
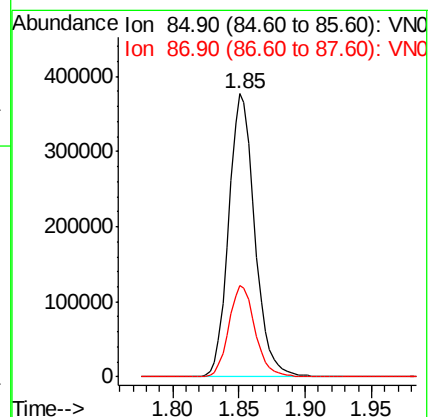
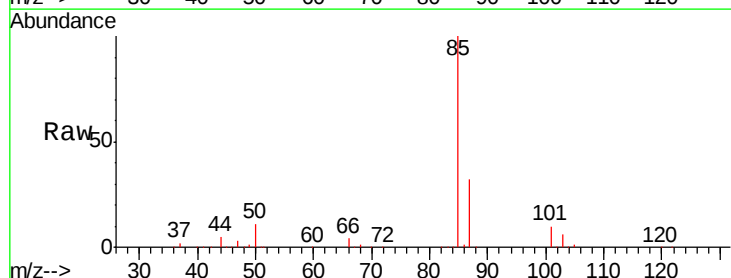
Acq: 19 Dec 2018 7:19

Tgt Ion: 85 Resp: 515439

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8





#3

Chloromethane

Concen: 50.613 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 641426

Ion Ratio Lower Upper

50 100

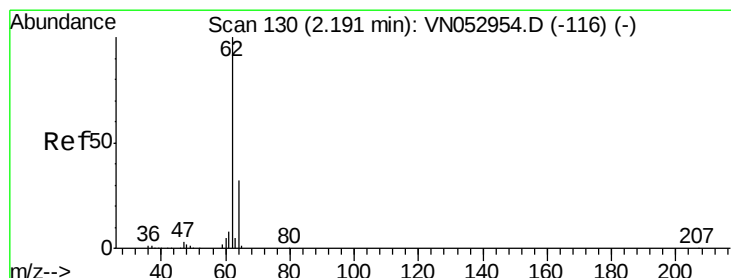
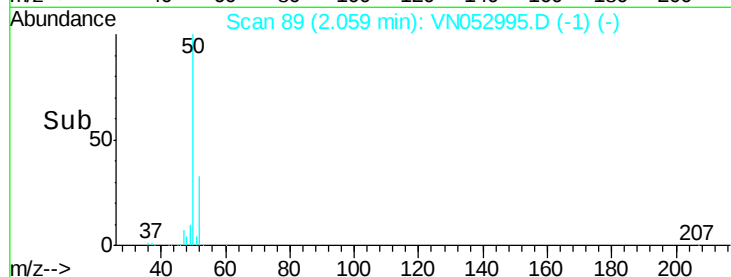
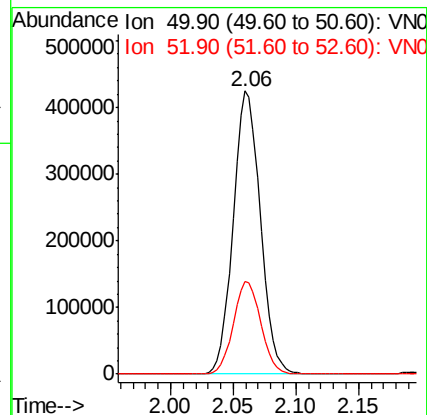
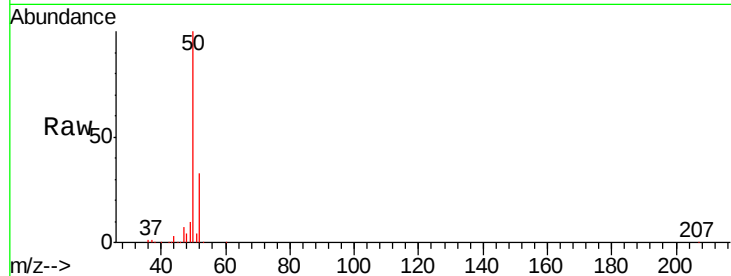
52 32.6 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.046 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052995.D

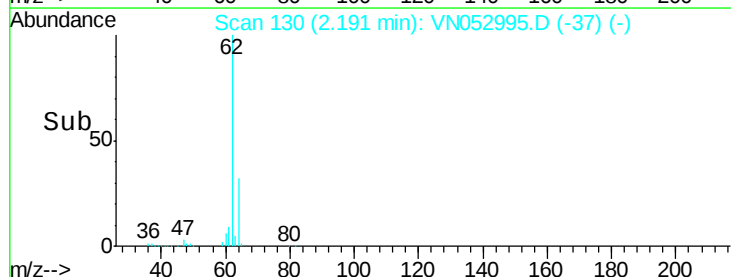
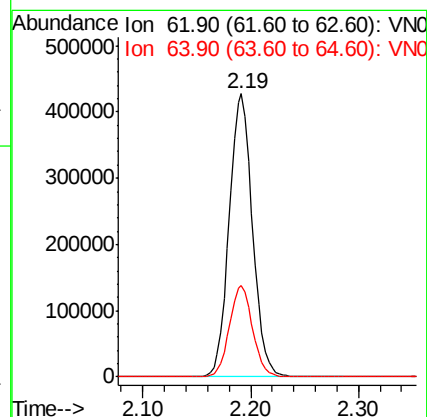
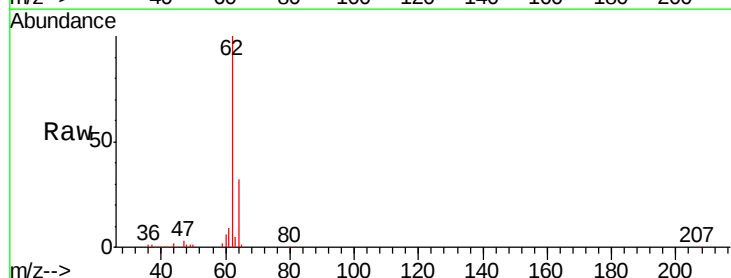
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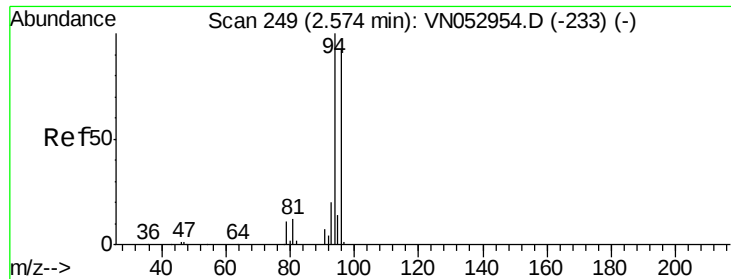
Tgt Ion: 62 Resp: 642340

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 46.376 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 412396

Ion Ratio Lower Upper

94 100

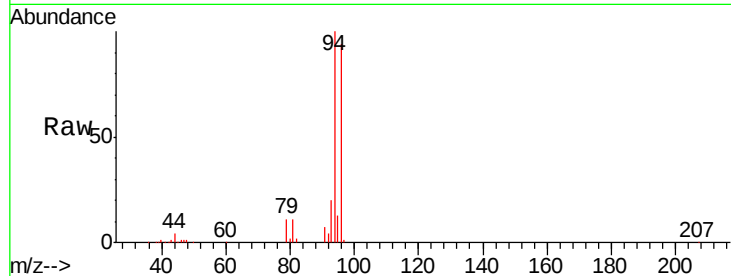
96 93.8 75.0 112.4

Manual Integrations

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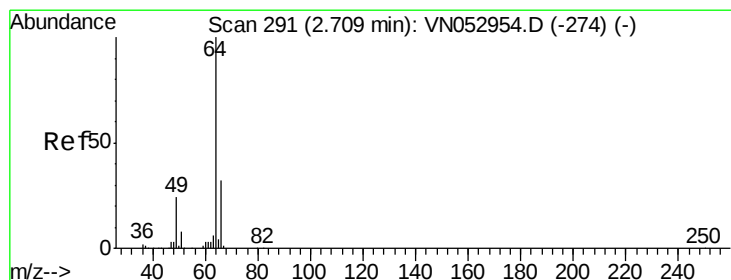
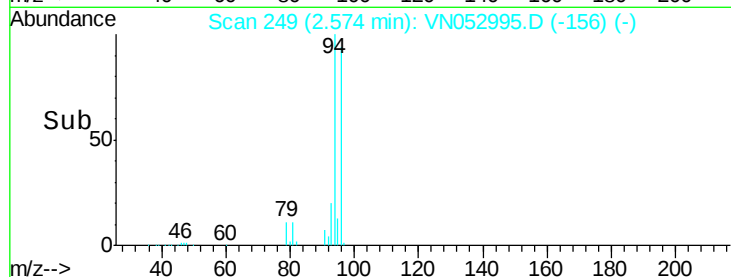
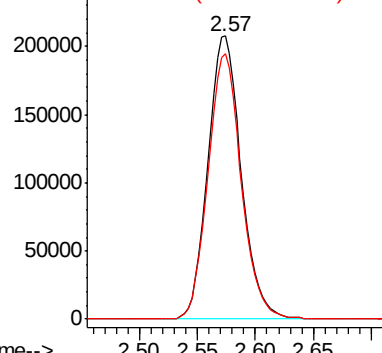
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.428 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052995.D

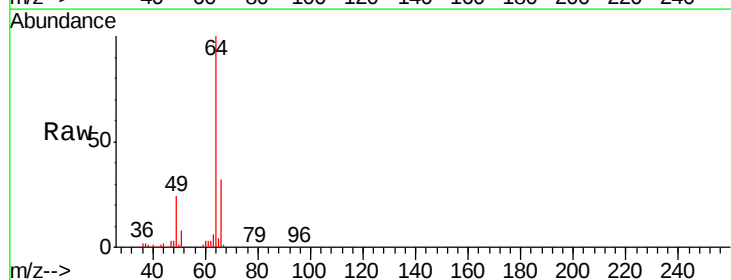
Acq: 19 Dec 2018 7:19

Tgt Ion: 64 Resp: 383331

Ion Ratio Lower Upper

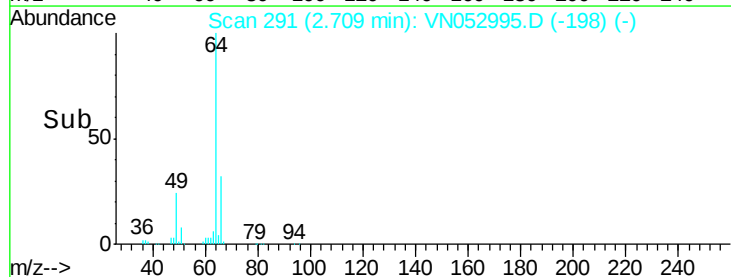
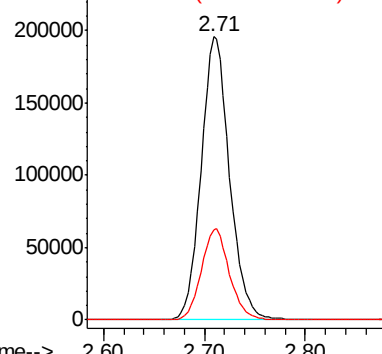
64 100

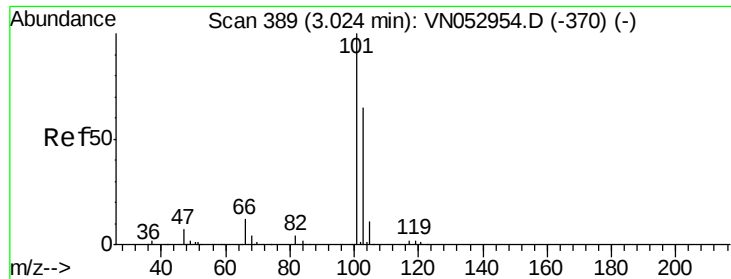
66 31.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

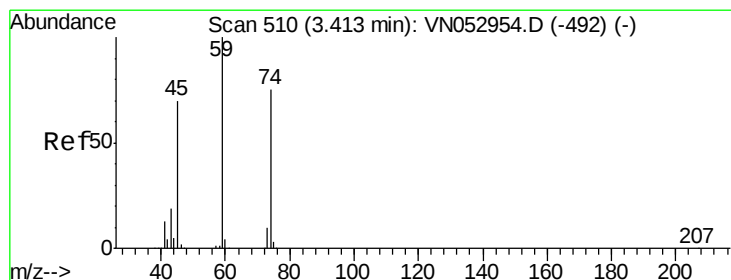
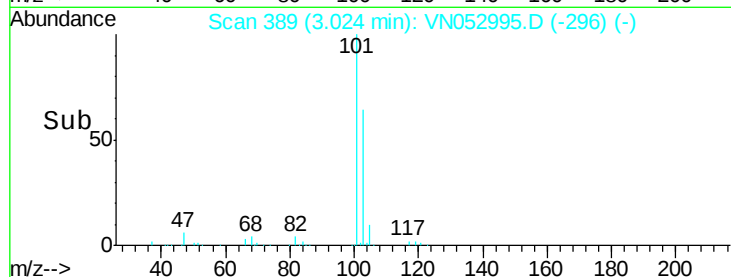
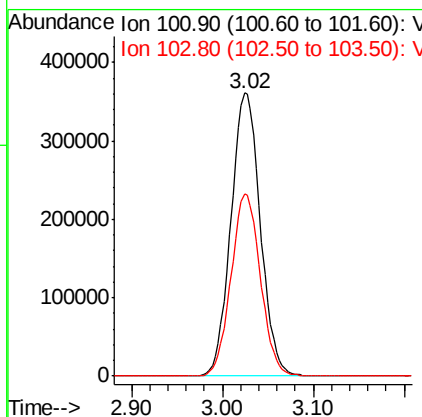
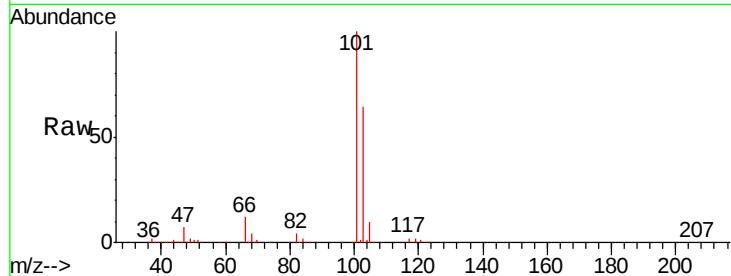
Trichlorofluoromethane
 Concen: 50.689 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.8	77.6

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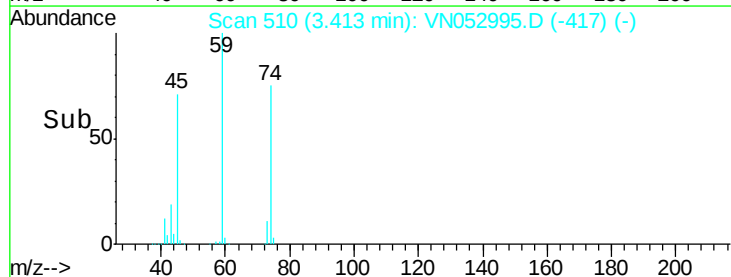
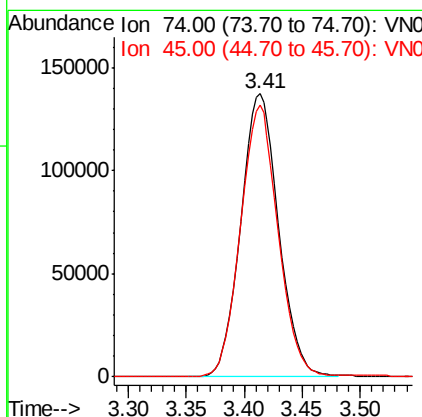
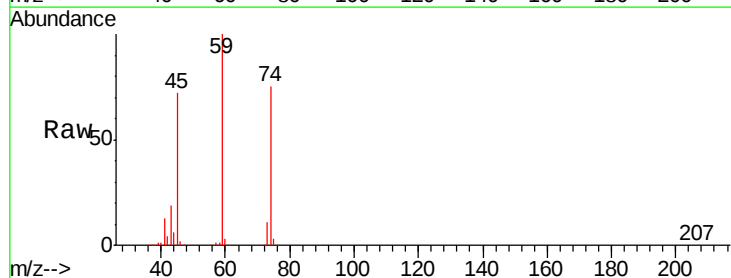
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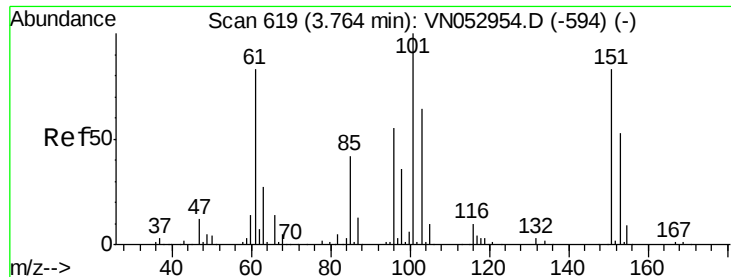


#8

Diethyl Ether
 Concen: 51.588 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.543 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

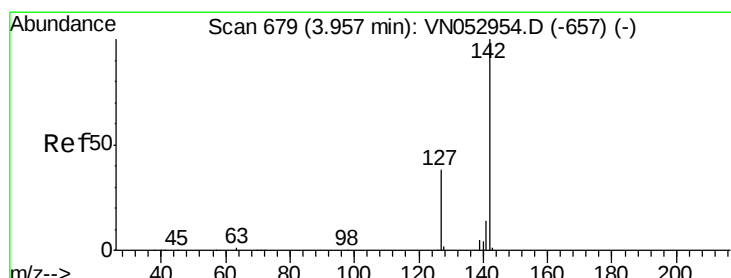
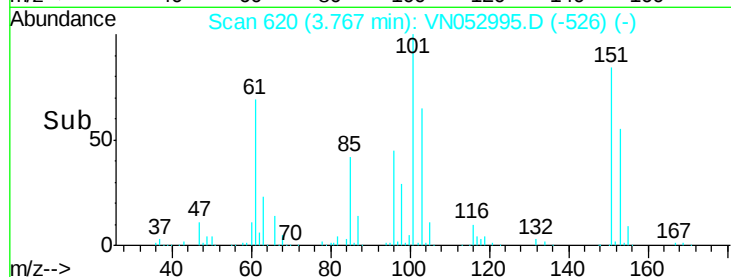
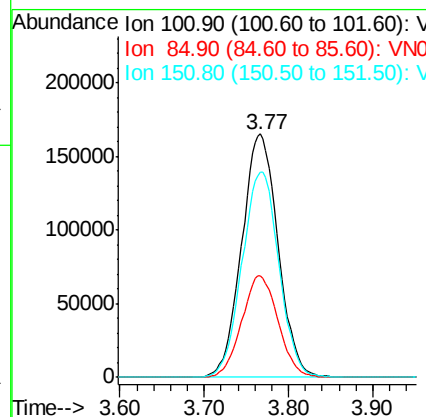
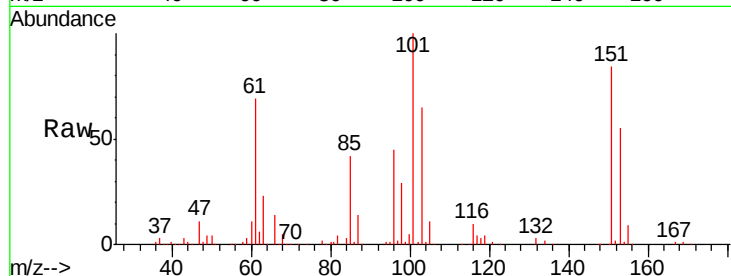
ClientSampleId :

VSTDCCC050EC

Tgt	Ion	101	Resp:	494875
Ion	Ratio	Lower	Upper	
101	100			
85	41.8	33.6	50.4	
151	85.8	65.5	98.3	

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#10

Methyl Iodide

Concen: 52.166 ug/l

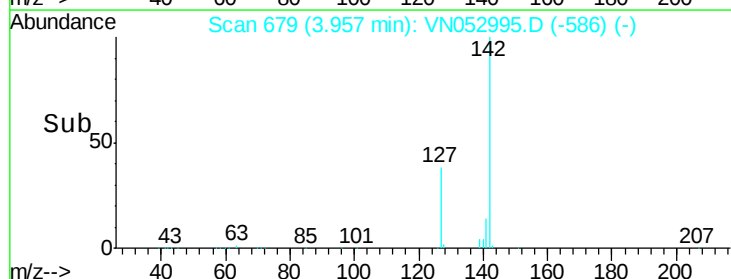
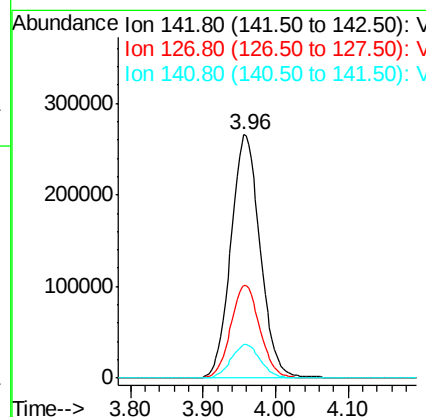
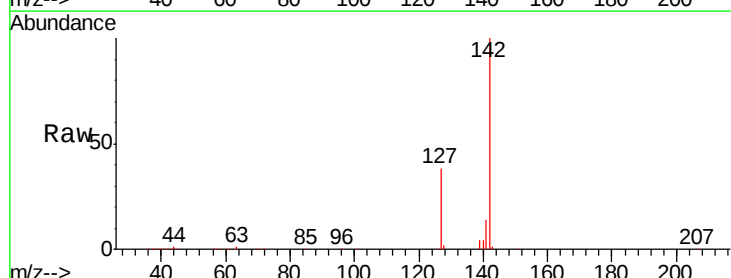
RT: 3.96 min Scan# 679

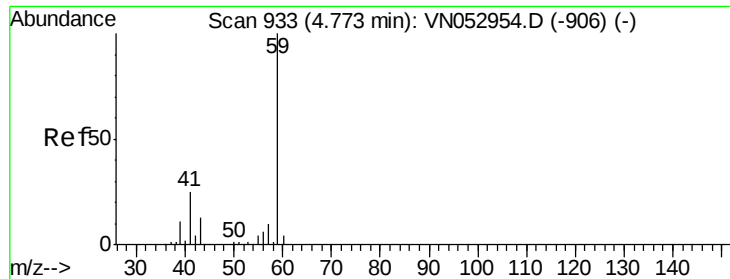
Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Tgt	Ion	142	Resp:	746840
Ion	Ratio	Lower	Upper	
142	100			
127	38.0	31.0	46.6	
141	13.9	11.2	16.8	





#11

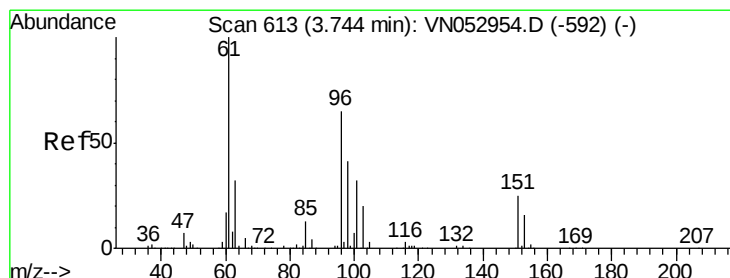
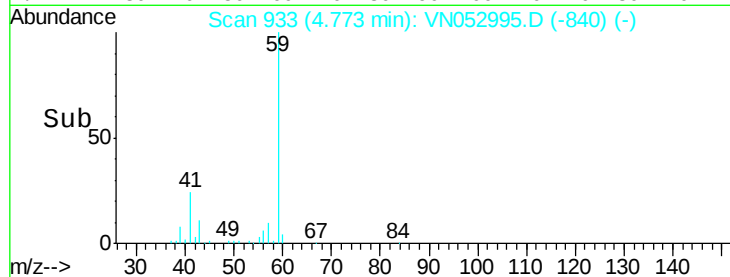
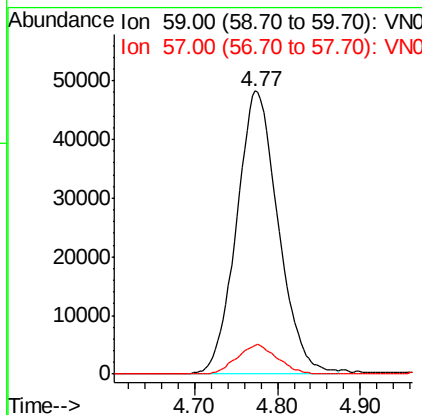
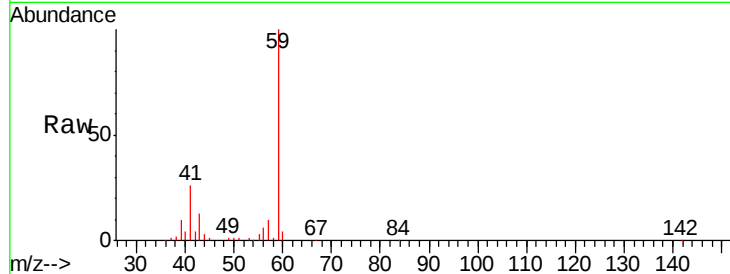
Tert butyl alcohol
Concen: 263.586 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.7	11.5

Manual Integrations
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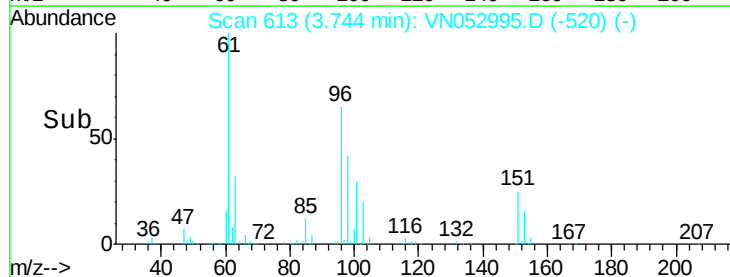
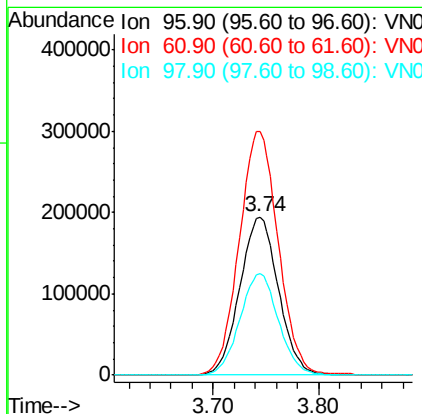
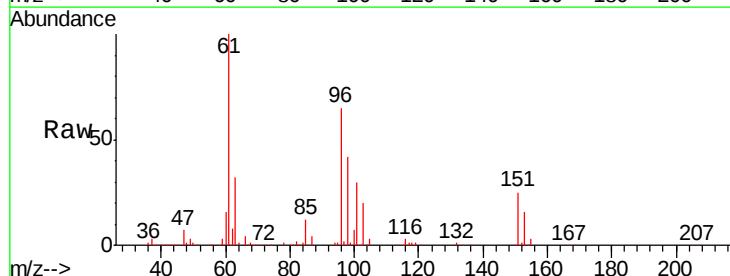
MMDadoda
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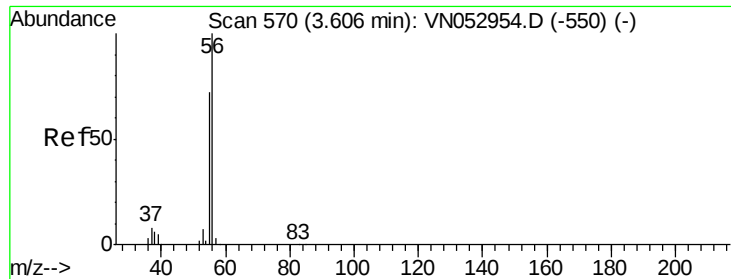


#12

1,1-Dichloroethene
Concen: 50.293 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	125.6	188.4
98	64.3	50.6	75.8





#13

Acrolein

Concen: 345.106 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 200222

Ion Ratio Lower Upper

56 100

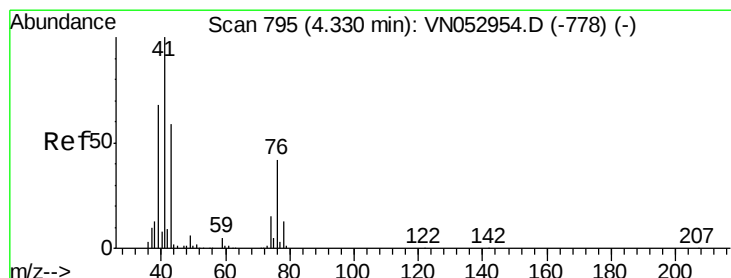
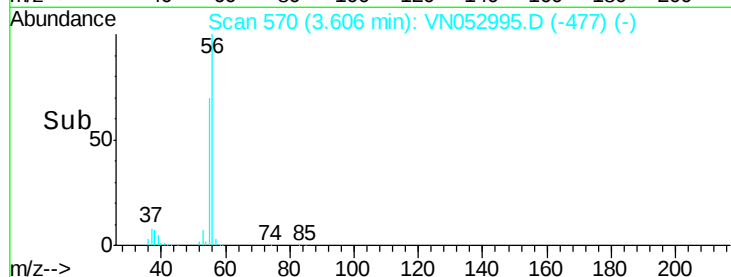
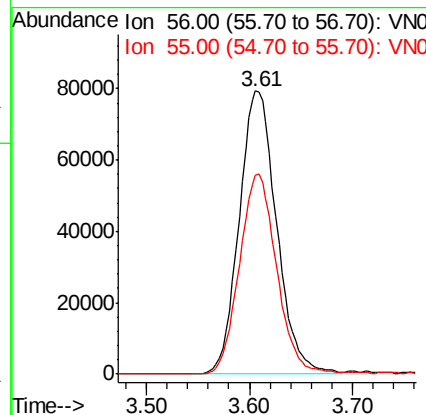
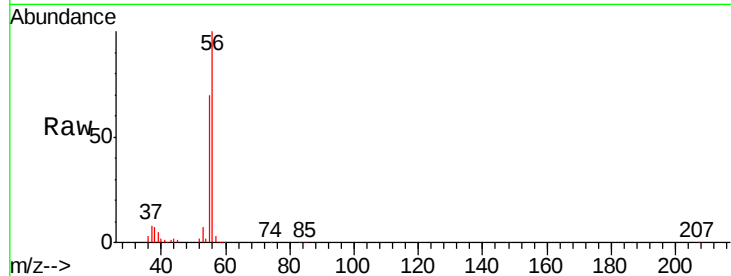
55 70.1 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 52.283 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

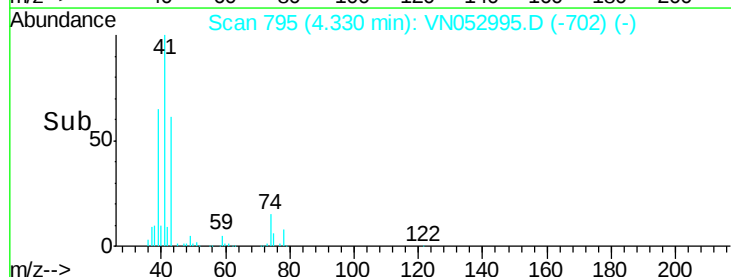
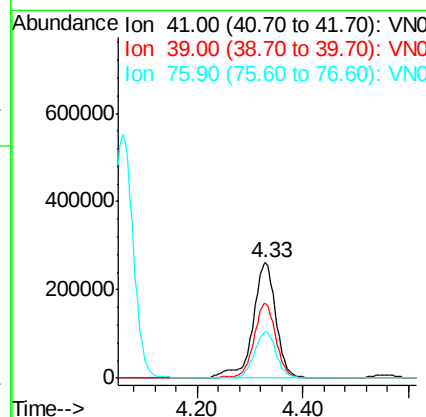
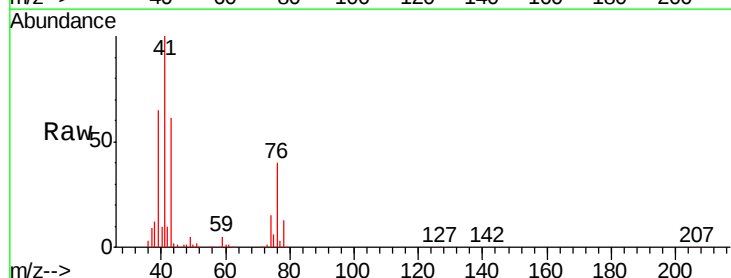
Tgt Ion: 41 Resp: 797630

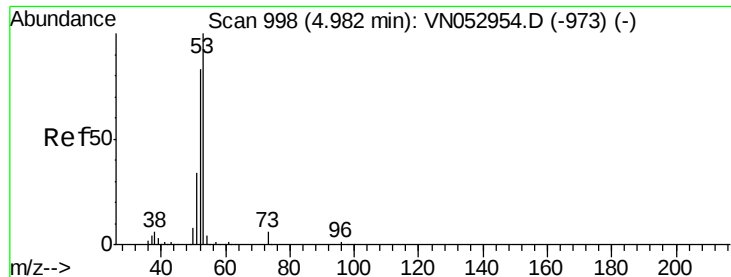
Ion Ratio Lower Upper

41 100

39 61.9 54.1 81.1

76 36.8 30.3 45.5





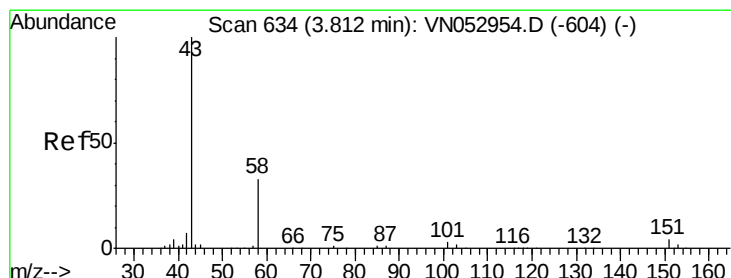
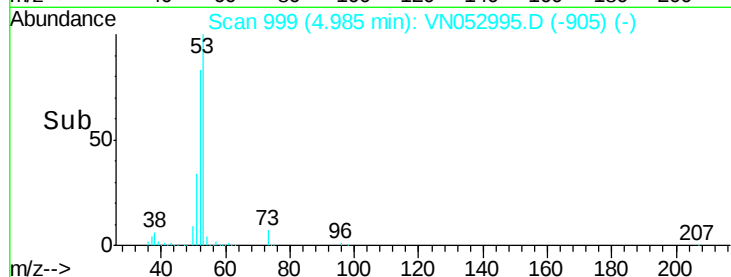
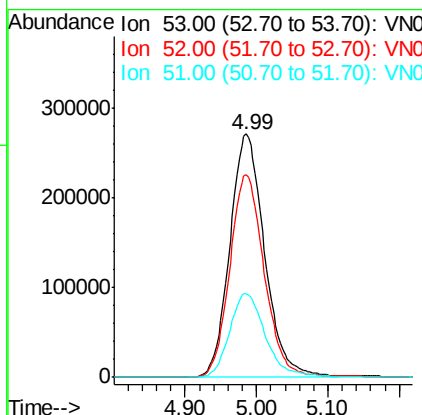
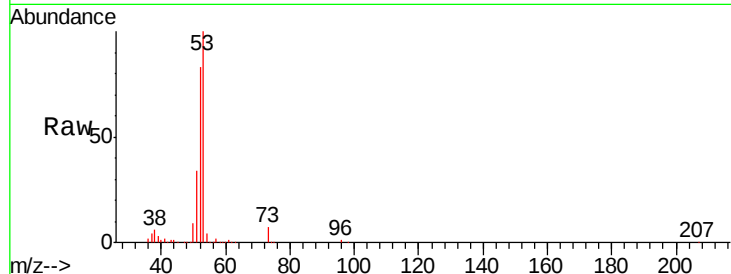
#15
 Acrylonitrile
 Concen: 258.389 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.1	97.7
51	35.6	28.1	42.1

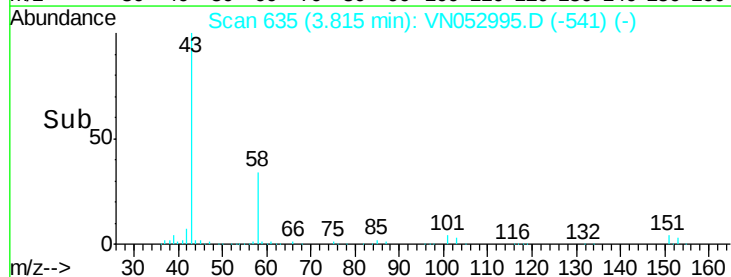
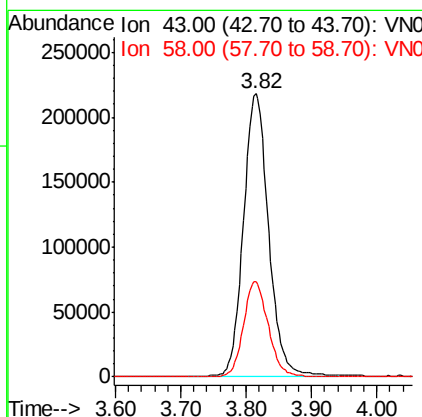
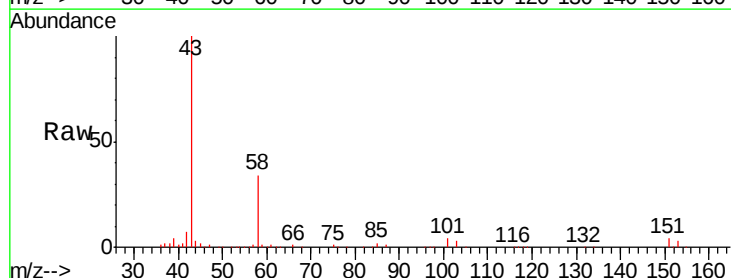
Manual Integrations
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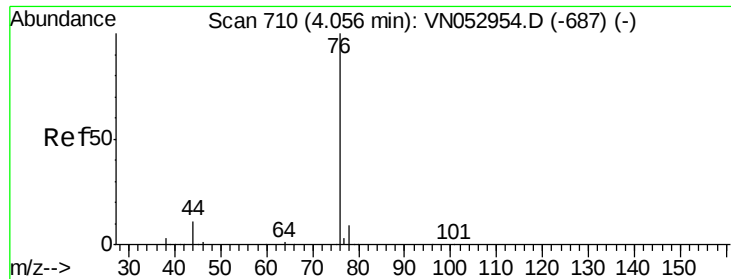
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#16
 Acetone
 Concen: 284.482 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.4	38.0





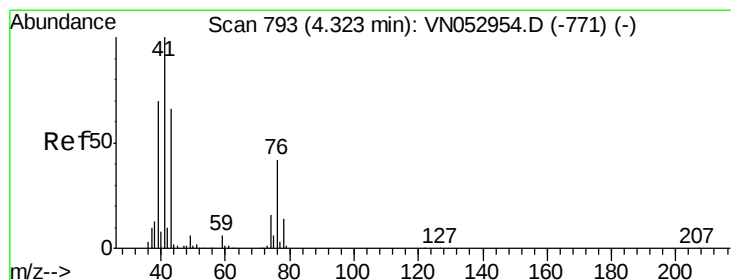
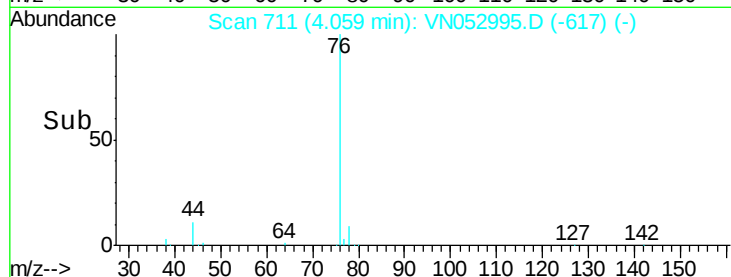
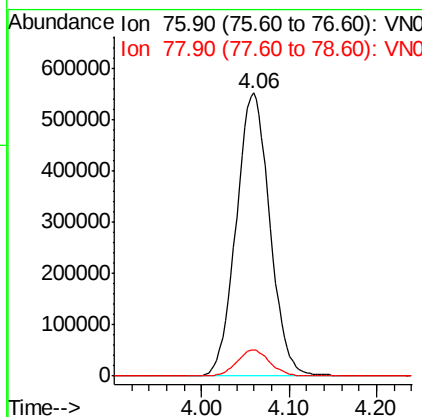
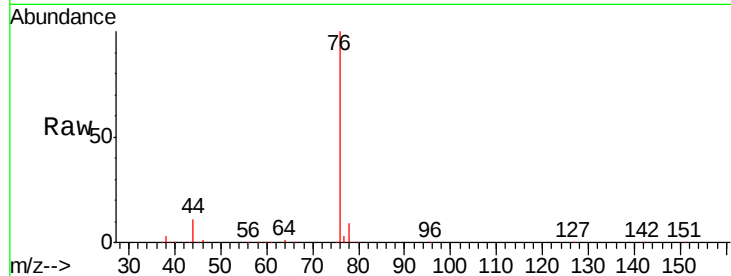
#17
Carbon Disulfide
Concen: 45.864 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 1473178
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

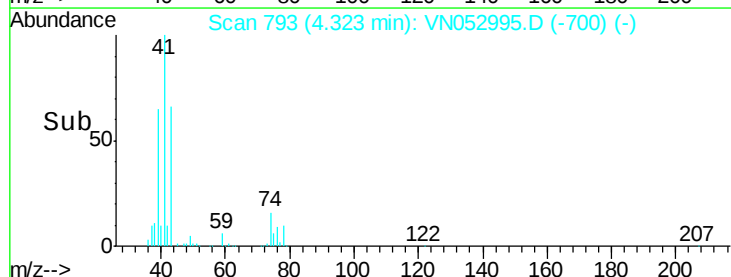
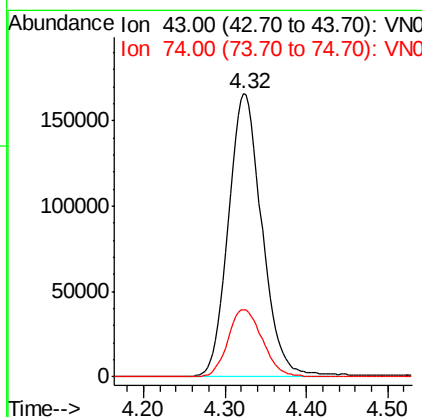
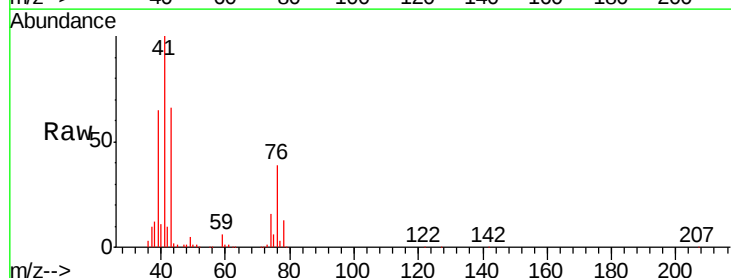
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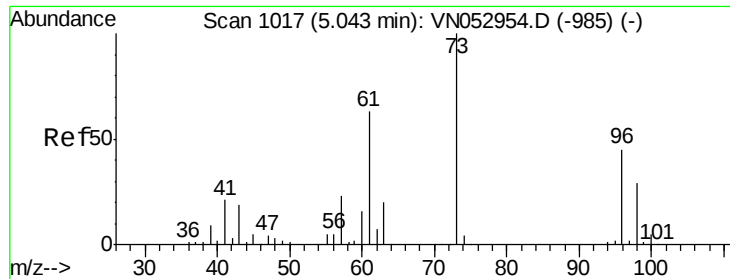
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#18
Methyl Acetate
Concen: 50.801 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion: 43 Resp: 474224
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8





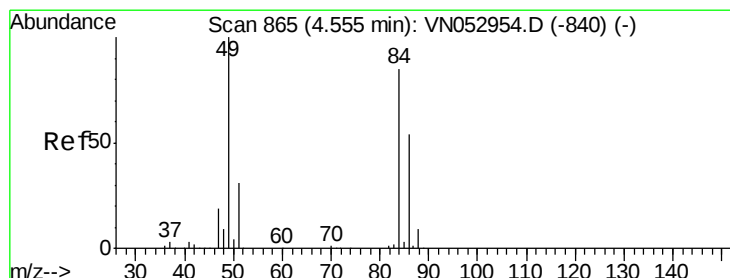
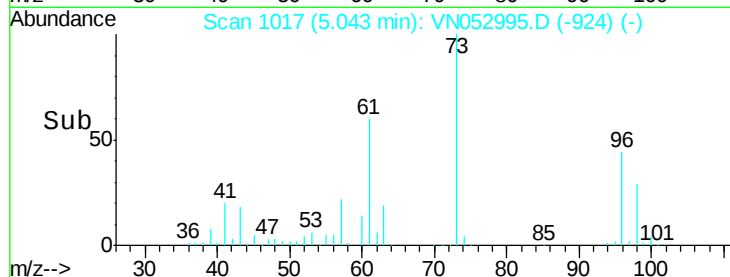
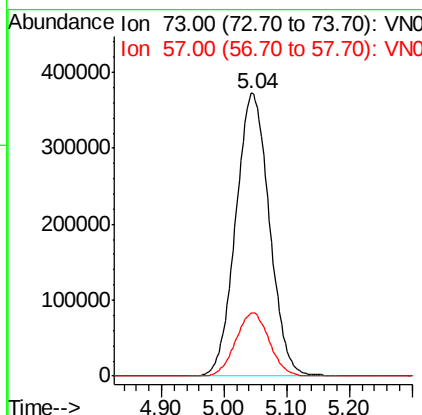
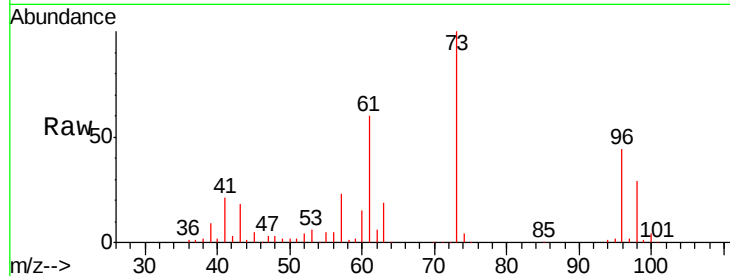
#19
Methyl tert-butyl Ether
Concen: 52.707 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 1389213
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

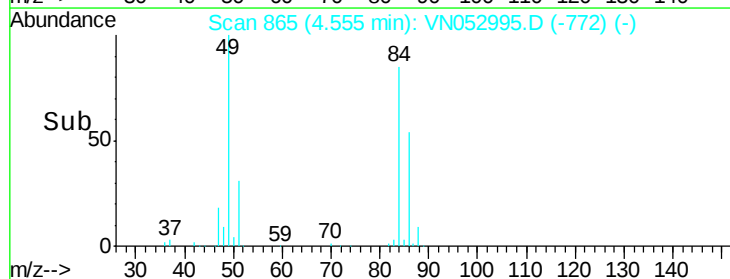
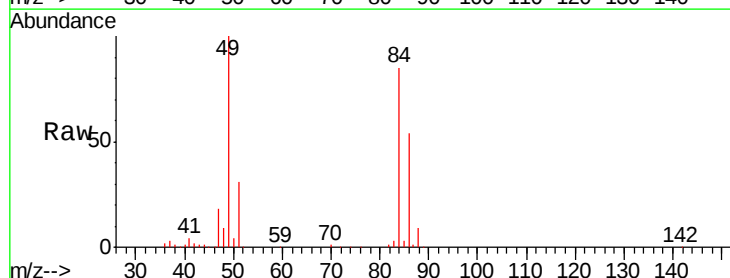
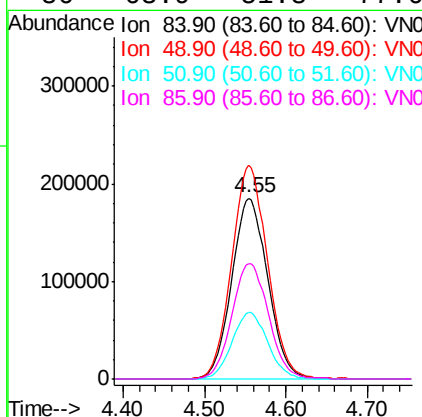
Manual Integrations
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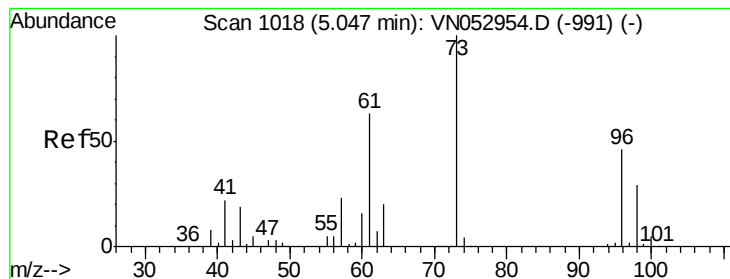
MMDadoda
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#20
Methylene Chloride
Concen: 50.920 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion: 84 Resp: 571107
Ion Ratio Lower Upper
84 100
49 118.0 96.8 145.2
51 36.8 29.9 44.9
86 63.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.908 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 528127

Ion Ratio Lower Upper

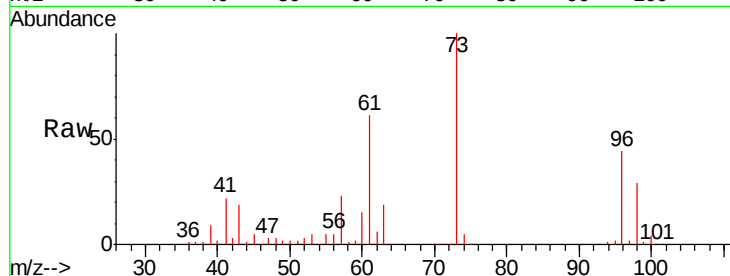
96 100

61 138.8 110.8 166.2

98 66.2 51.4 77.2

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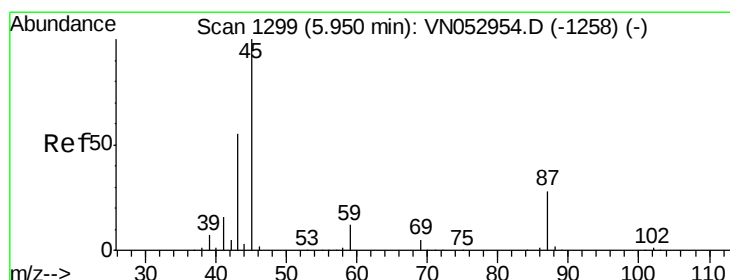
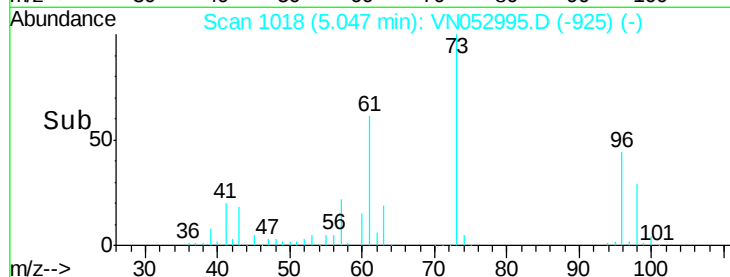
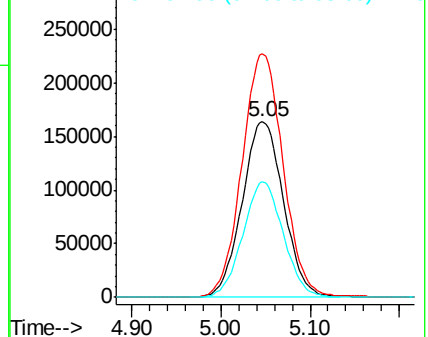


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 53.066 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Tgt Ion: 45 Resp: 1728051

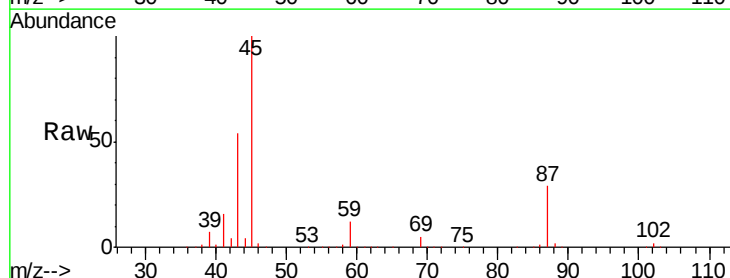
Ion Ratio Lower Upper

45 100

43 54.1 45.5 68.3

87 28.6 22.0 33.0

59 12.0 9.4 14.0



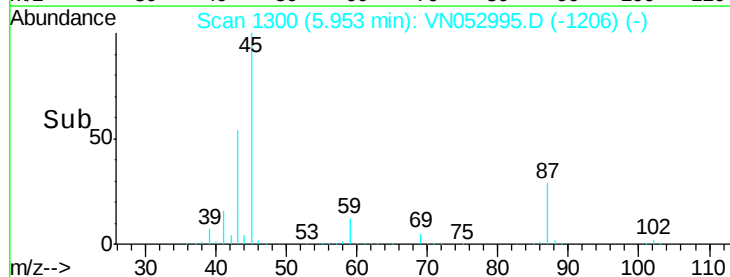
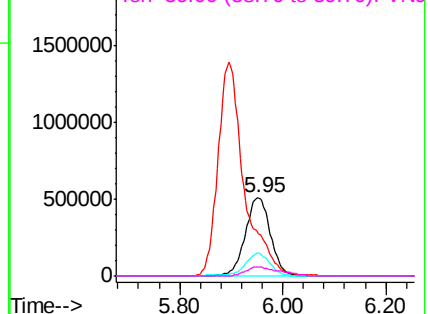
Abundance

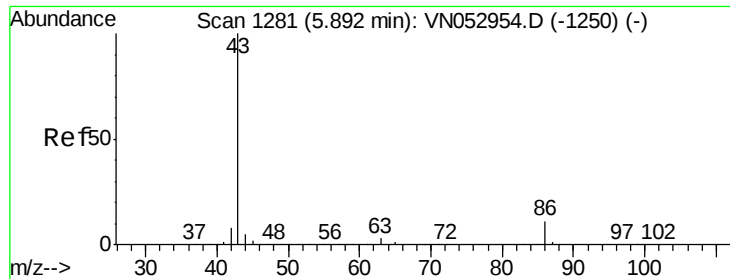
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





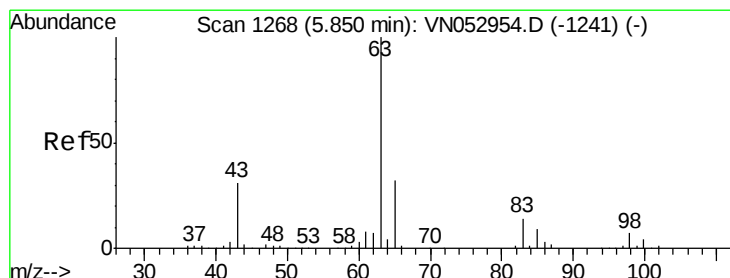
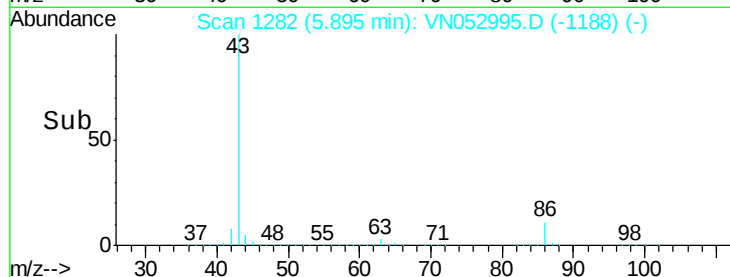
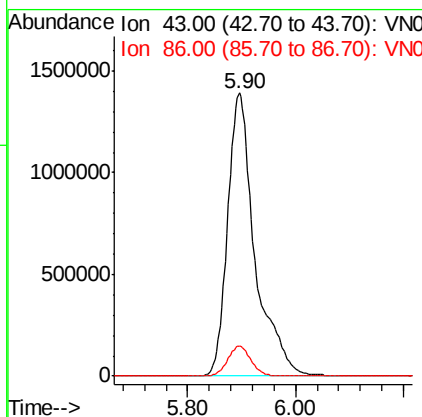
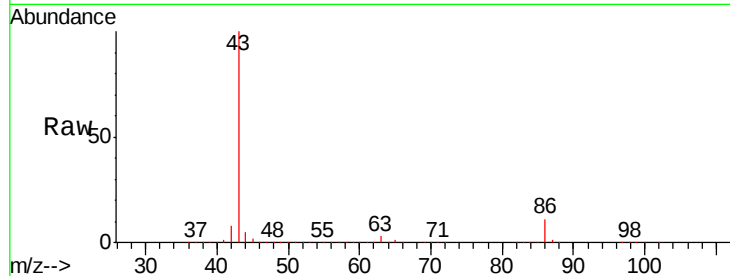
#23
 Vinyl Acetate
 Concen: 261.868 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 4903591
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.1 12.1

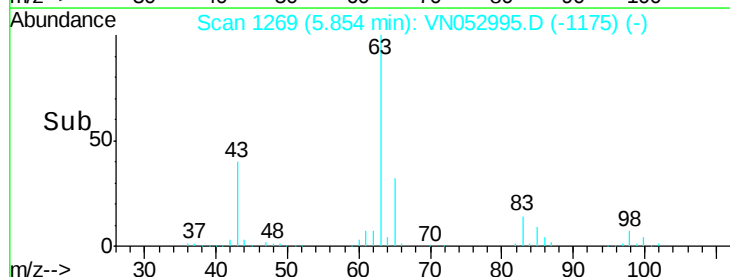
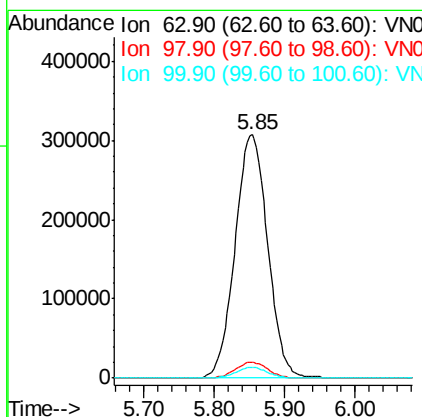
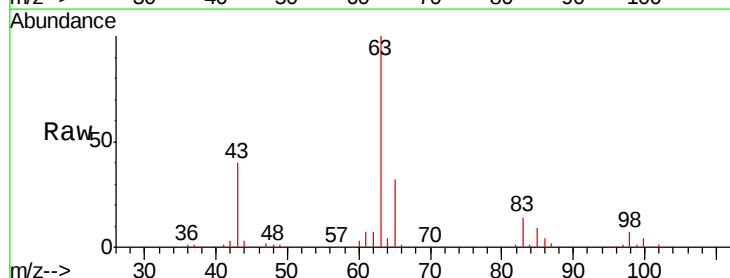
Manual Integrations
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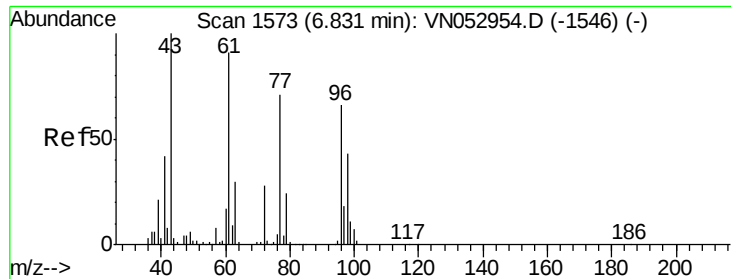
MMDadoda
 12/19/2018 12:08:19 PM



#24
 1,1-Dichloroethane
 Concen: 51.230 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion: 63 Resp: 991338
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.1 9.4
 100 4.3 2.0 5.8





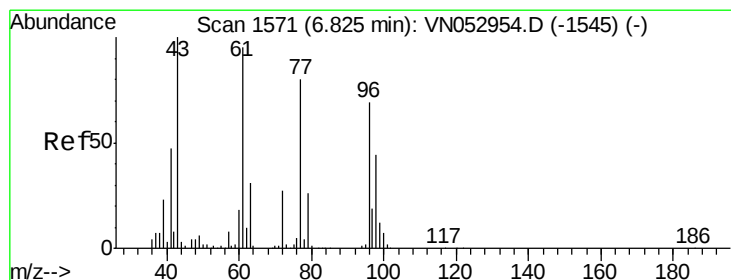
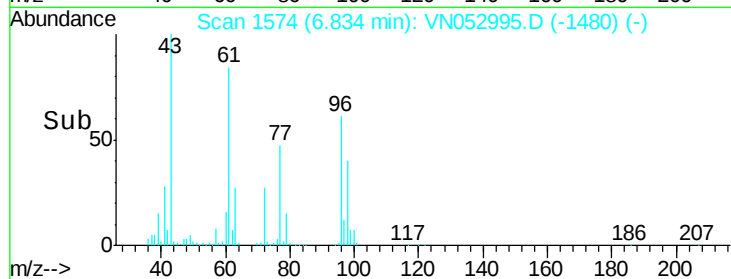
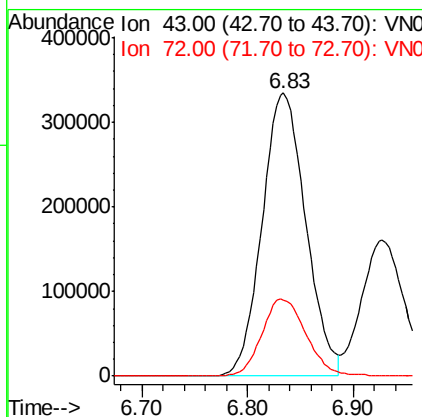
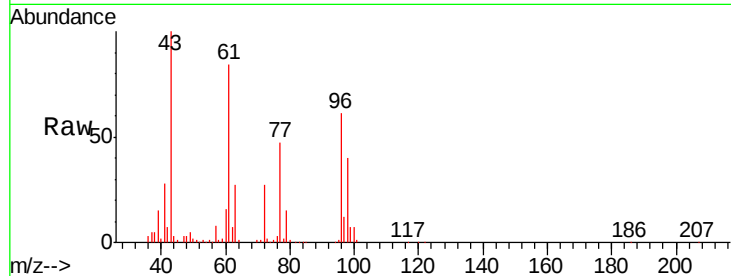
#25
2-Butanone
Concen: 277.701 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 958237
Ion Ratio Lower Upper
43 100
72 26.8 21.0 31.6

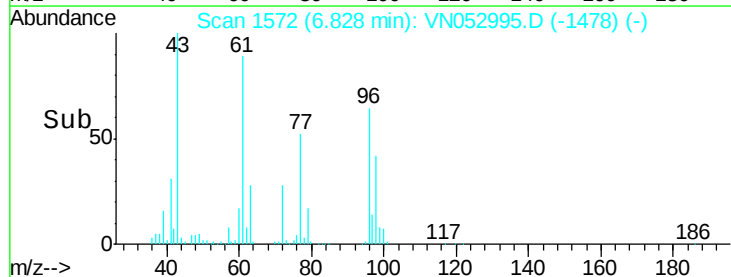
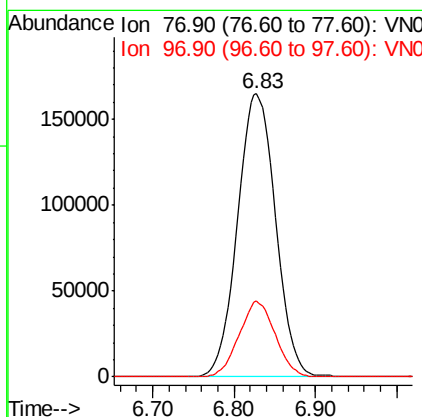
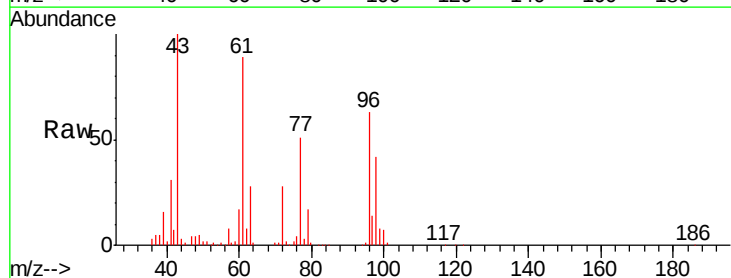
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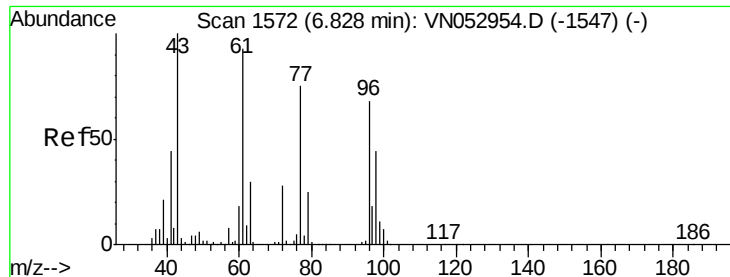
MMDadoda
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#26
2,2-Dichloropropane
Concen: 36.036 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion: 77 Resp: 532313
Ion Ratio Lower Upper
77 100
97 25.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.766 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

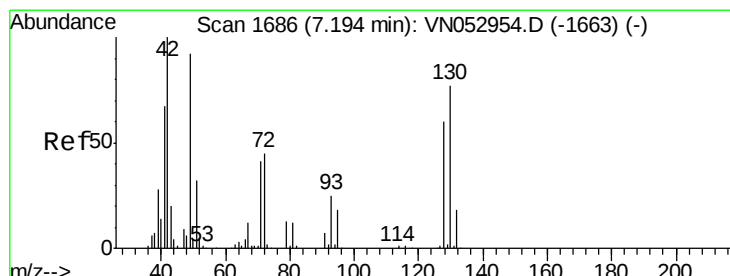
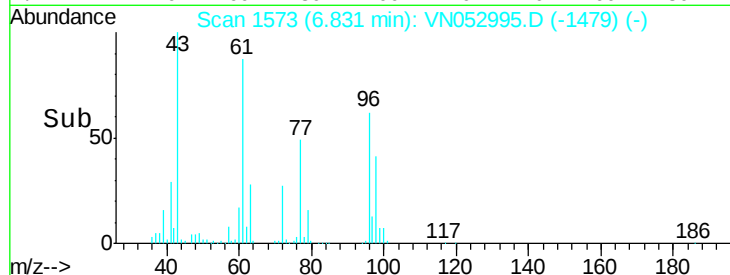
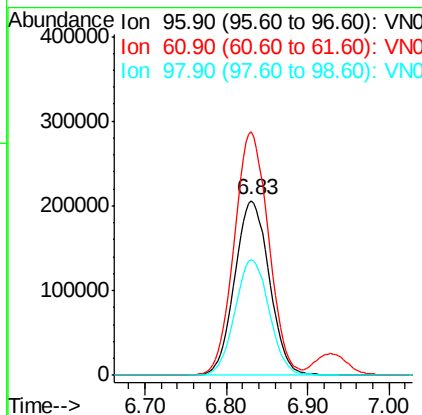
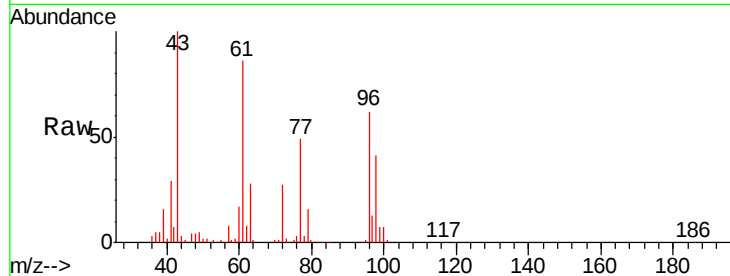
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	608176
Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	284.2
98	65.4	0.0	129.2

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#28

Bromochloromethane

Concen: 51.213 ug/l

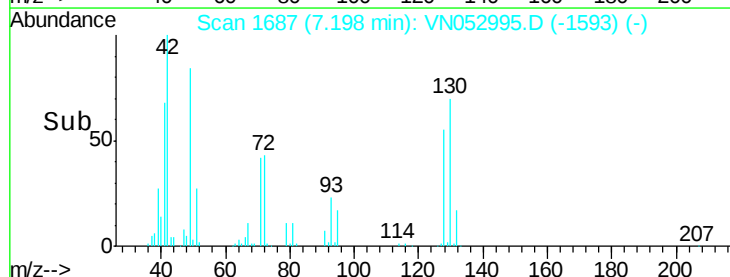
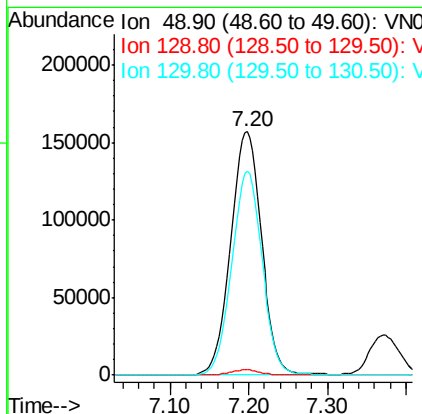
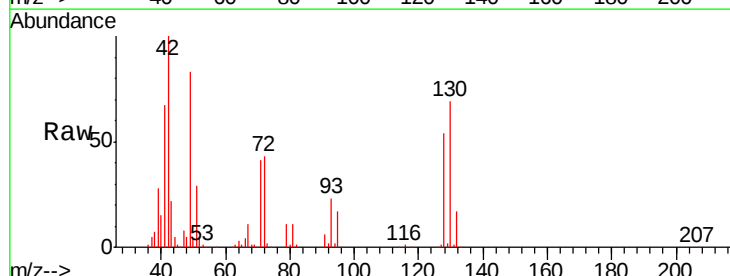
RT: 7.20 min Scan# 1687

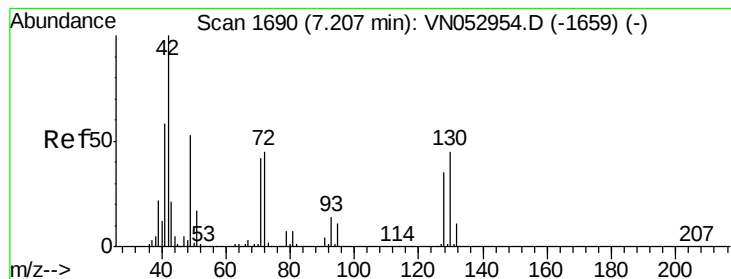
Delta R.T. 0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Tgt Ion:	49	Resp:	429424
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	82.8	63.3	94.9





#29

Tetrahydrofuran

Concen: 266.473 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

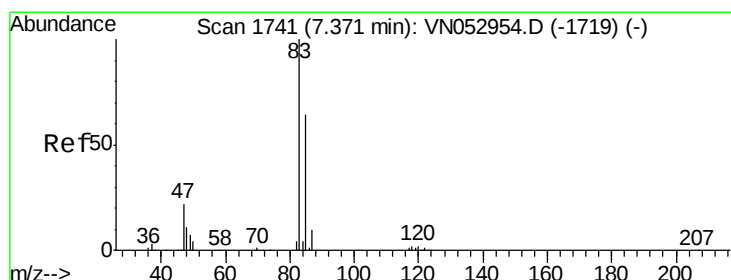
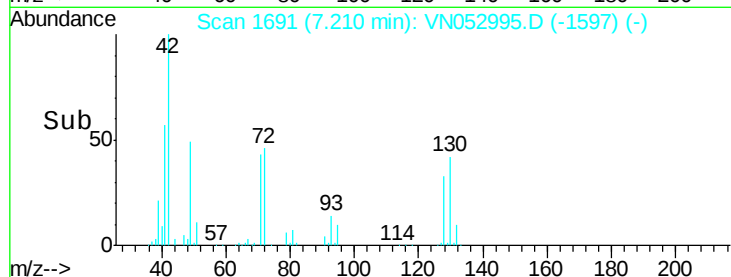
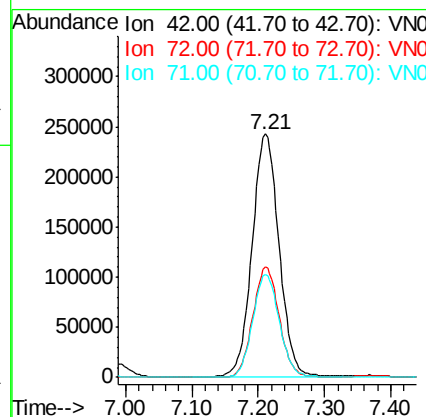
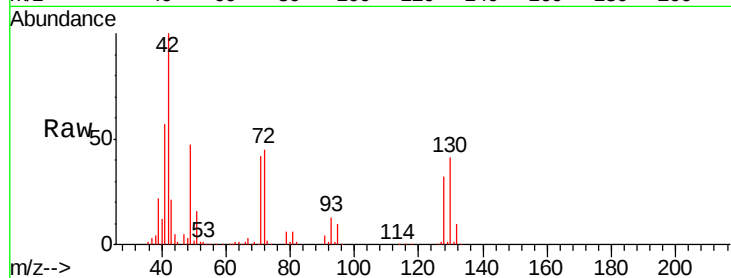
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	42	Resp:	686742
Ion Ratio		Lower	Upper
42	100		
72	44.4	34.7	52.1
71	41.9	32.3	48.5

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#30

Chloroform

Concen: 50.932 ug/l

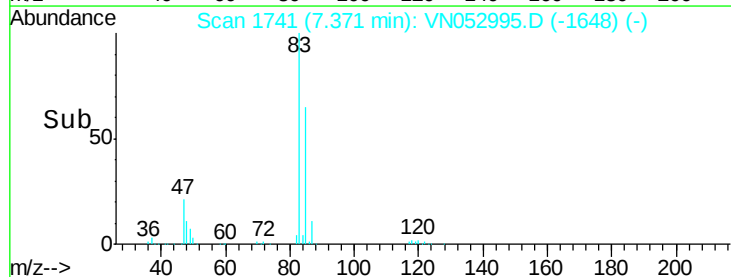
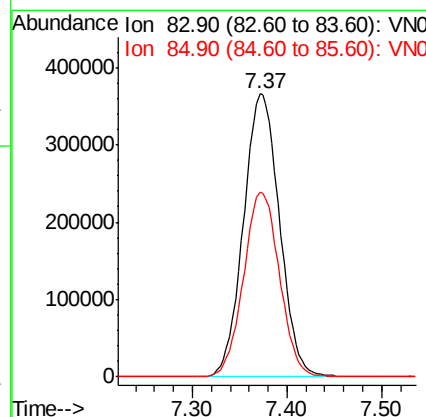
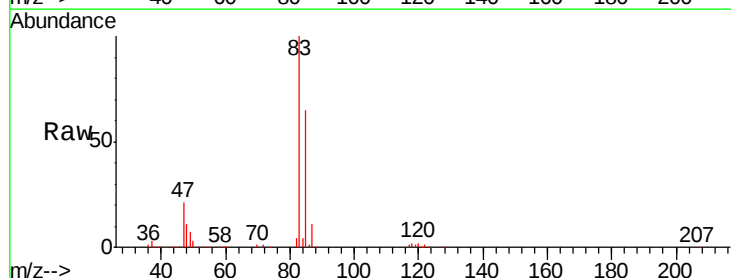
RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Tgt Ion:	83	Resp:	968168
Ion Ratio		Lower	Upper
83	100		
85	65.1	52.1	78.1





#31

Cyclohexane

Concen: 51.209 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 928901
Ion Ratio Lower Upper

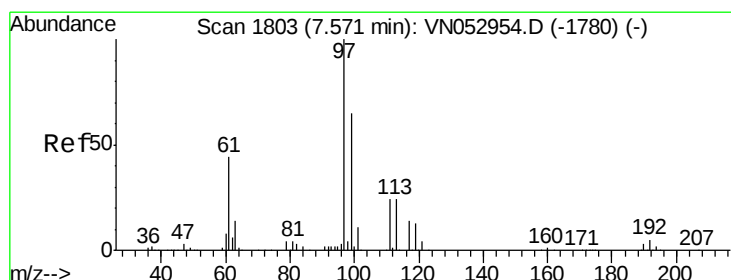
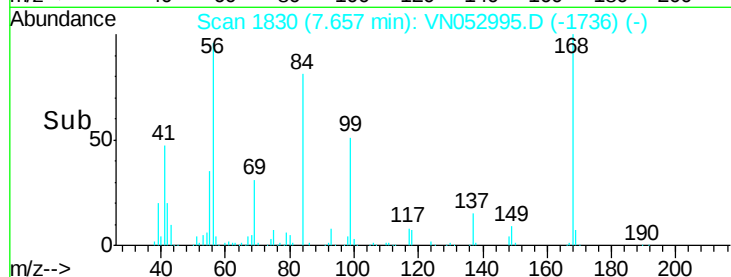
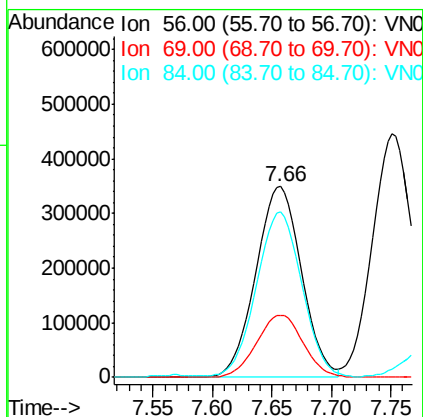
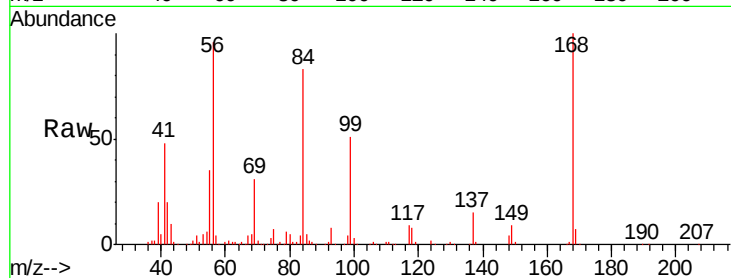
56 100

69 32.7 26.6 39.8

84 85.6 68.4 102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.769 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052995.D

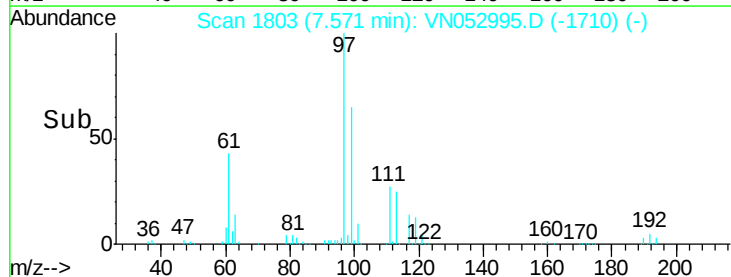
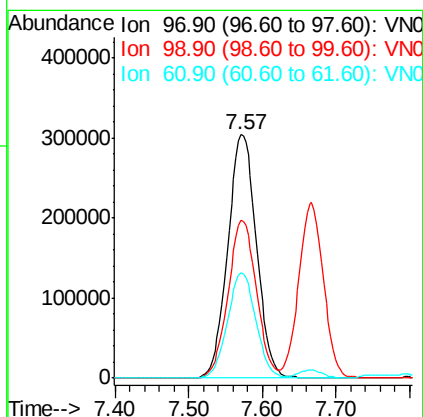
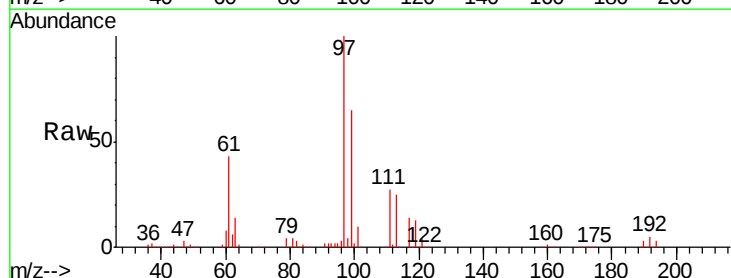
Acq: 19 Dec 2018 7:19

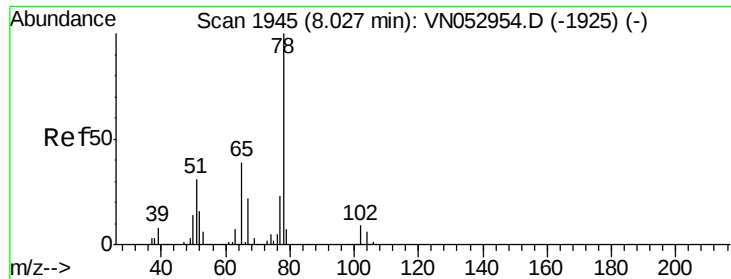
Tgt Ion: 97 Resp: 822127
Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

61 42.8 35.0 52.6





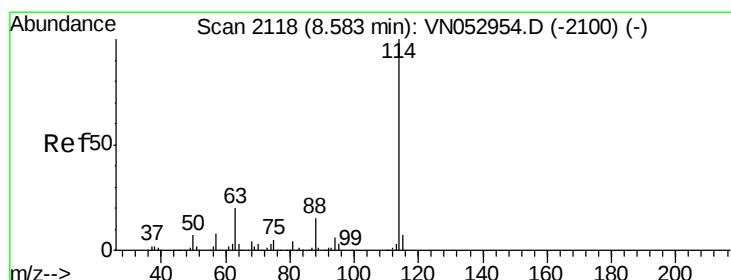
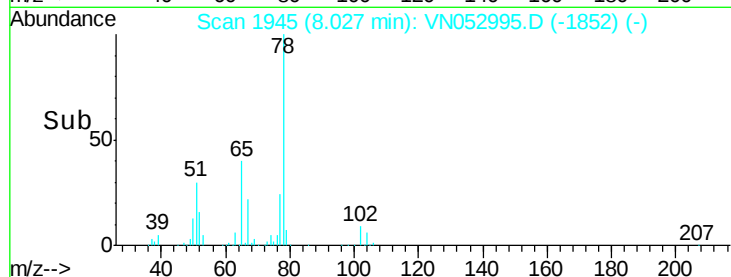
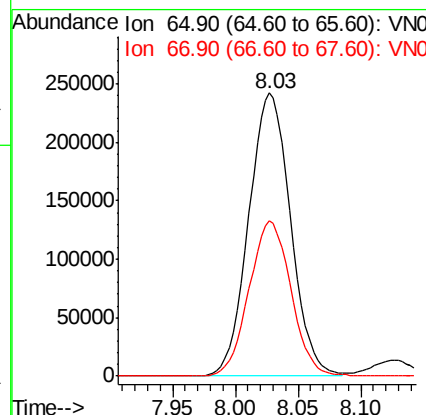
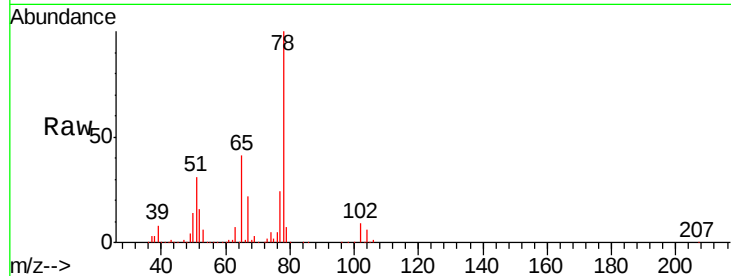
#33
 1,2-Dichloroethane-d4
 Concen: 50.769 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	561721		
67	55.1	0.0	110.4	

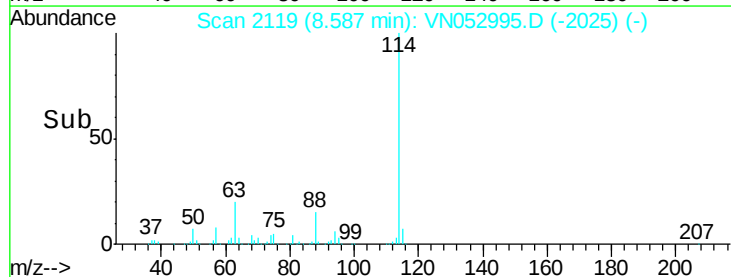
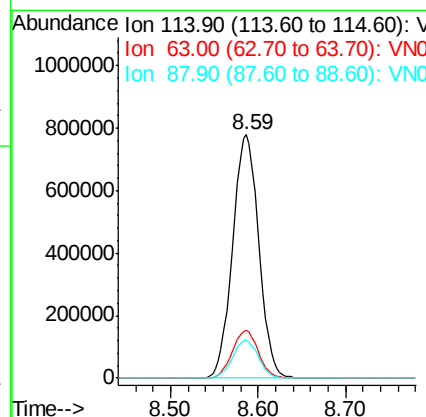
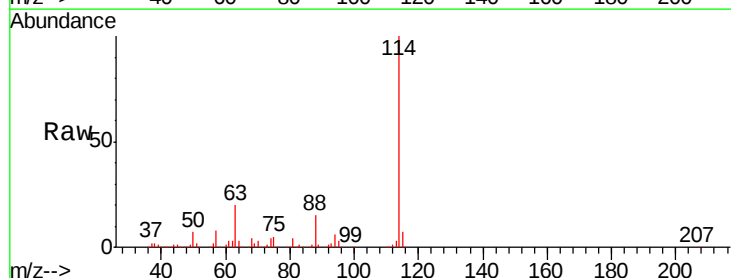
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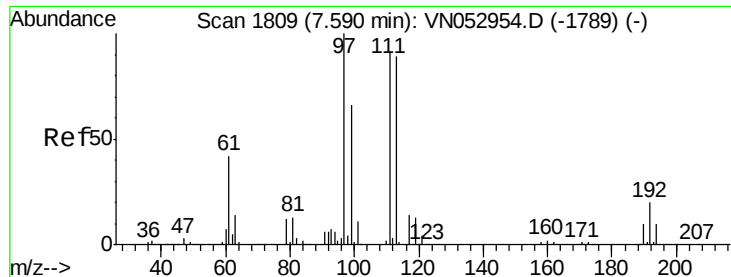
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1615360		
63	19.6	0.0	39.8	
88	15.3	0.0	31.0	





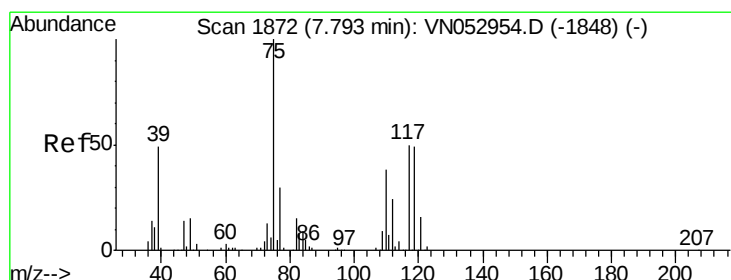
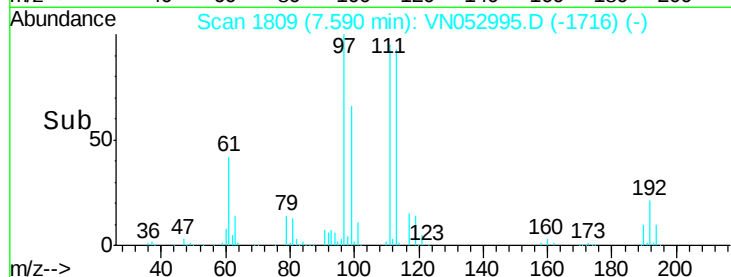
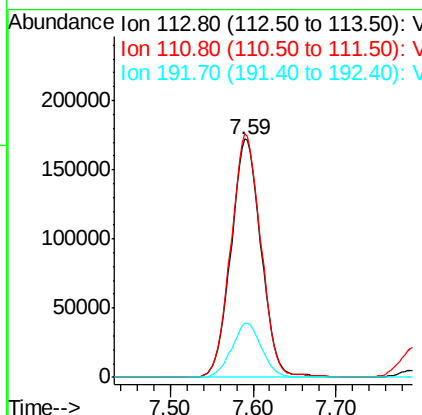
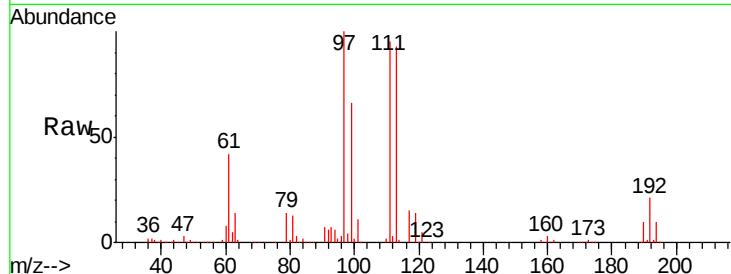
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	434408		
111	102.0	83.0	124.4	
192	22.5	17.5	26.3	

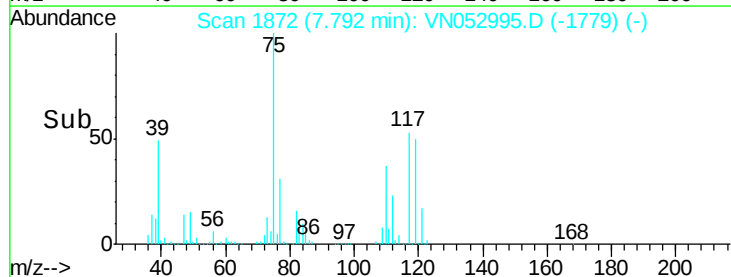
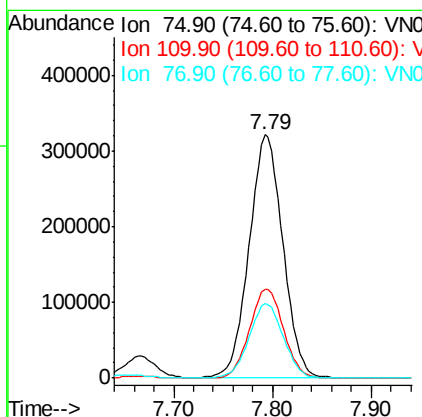
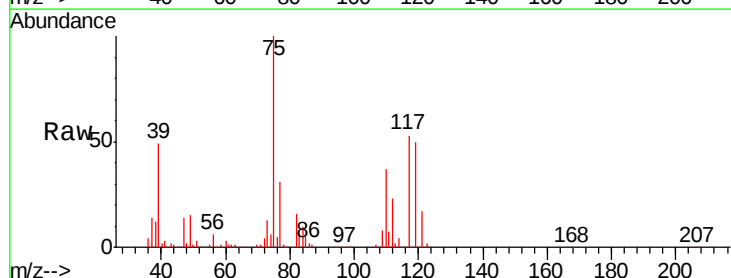
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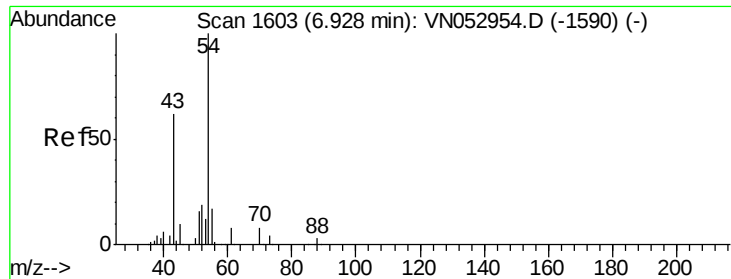
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#36
1,1-Dichloropropene
Concen: 48.697 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	755024		
110	37.0	18.2	54.6	
77	31.5	24.9	37.3	





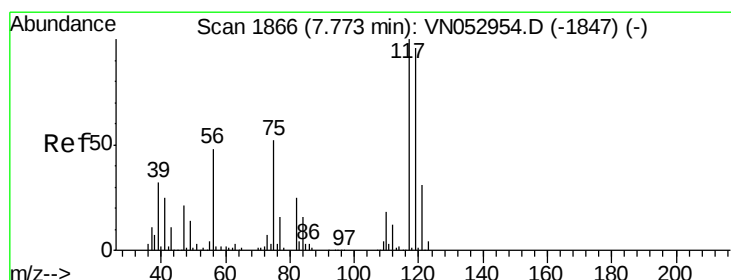
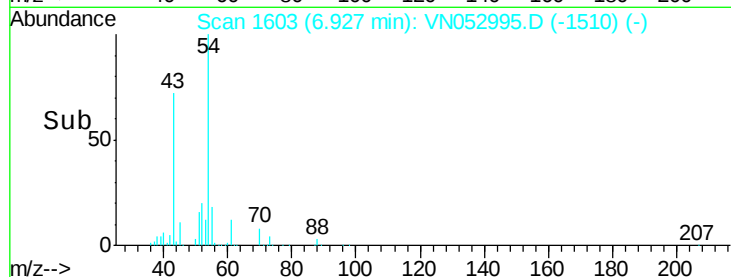
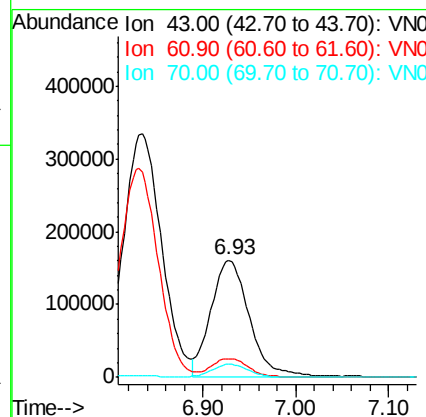
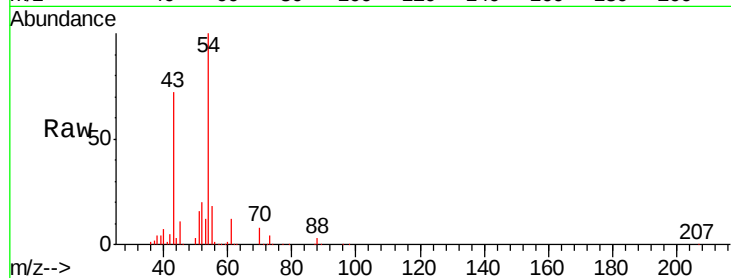
#37
Ethyl Acetate
Concen: 52.861 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	11.0	8.4	12.6

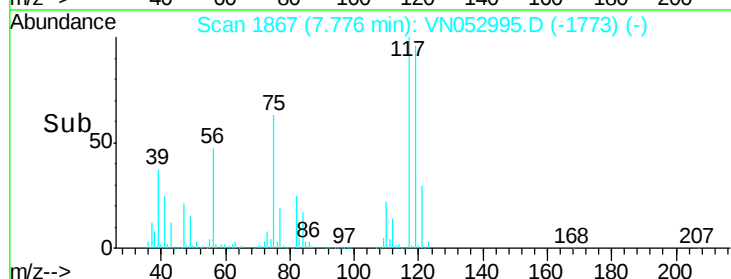
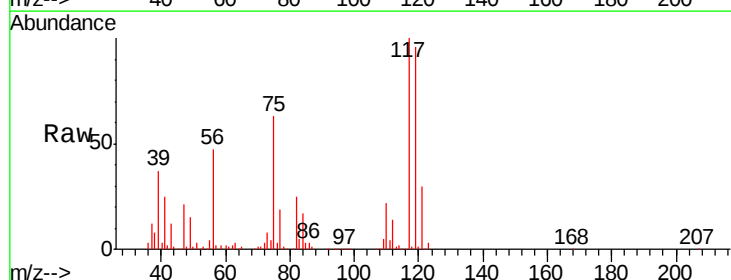
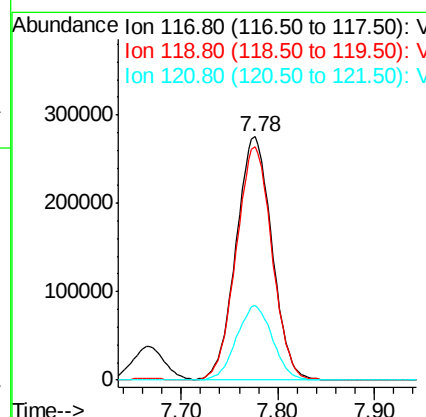
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#38
Carbon Tetrachloride
Concen: 49.722 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.1	115.7
121	30.5	24.9	37.3





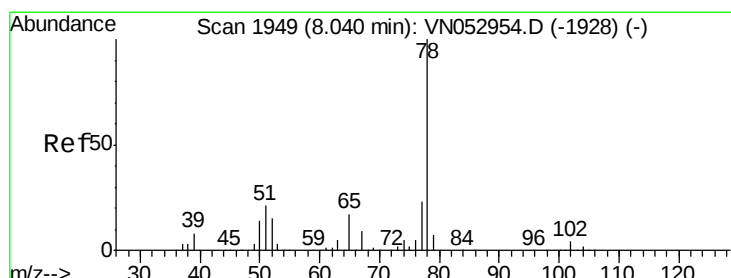
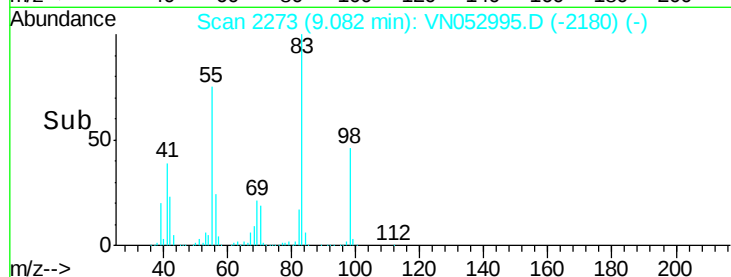
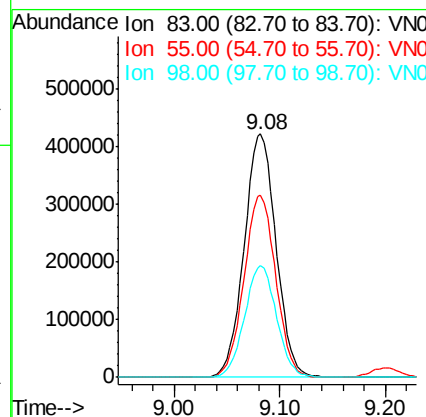
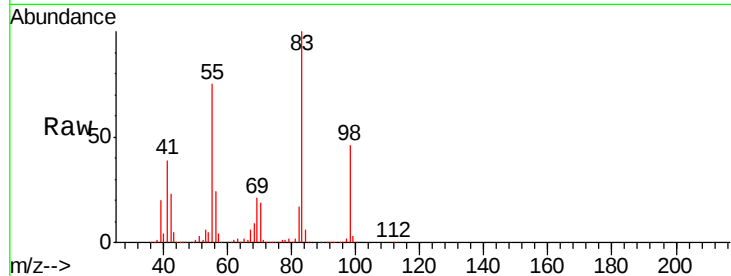
#39
Methylcyclohexane
Concen: 47.025 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.3	91.9
98	46.1	37.0	55.4

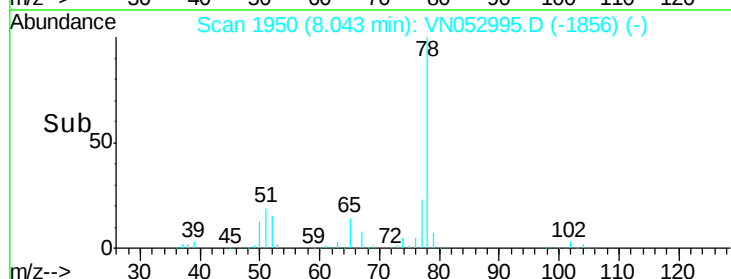
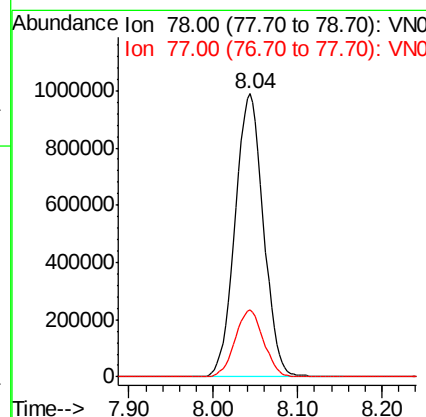
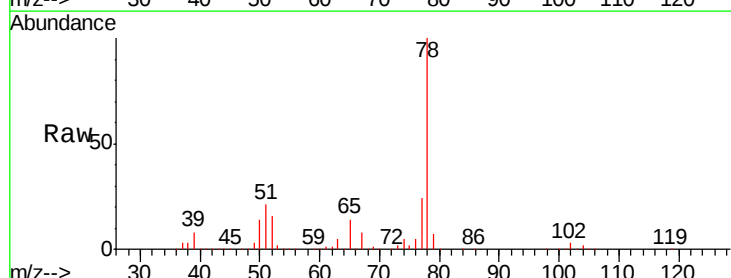
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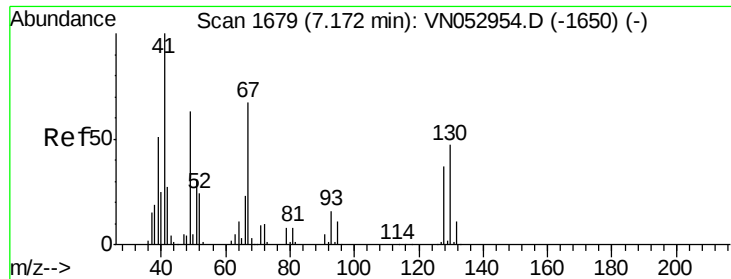
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#40
Benzene
Concen: 50.230 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7





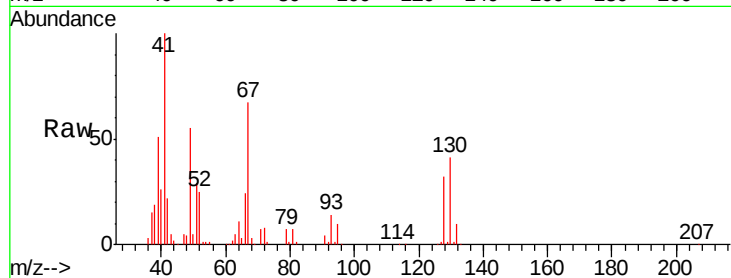
#41
Methacrylonitrile
Concen: 50.052 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

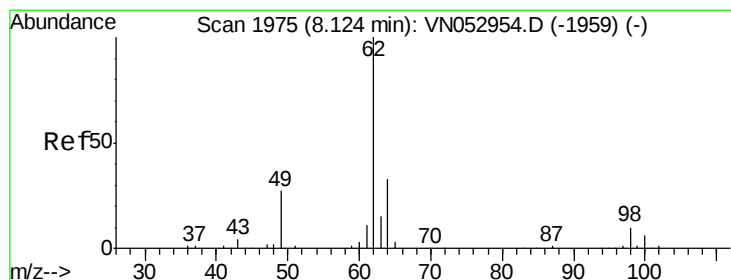
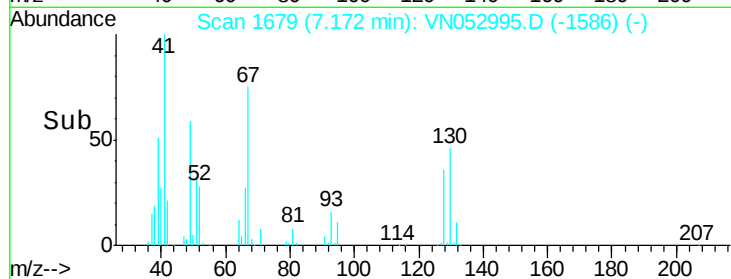
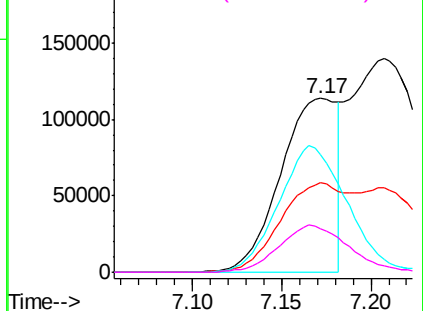
Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.9	48.0	72.0
67	88.5	70.3	105.5
52	33.0	26.9	40.3

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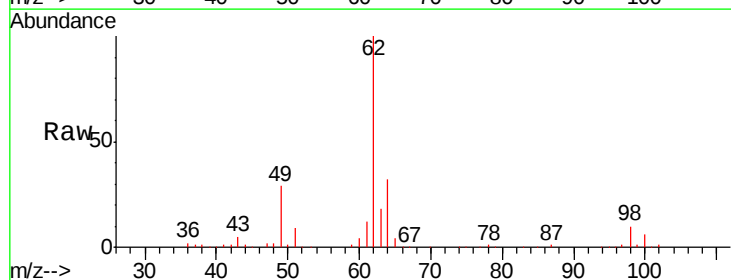


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

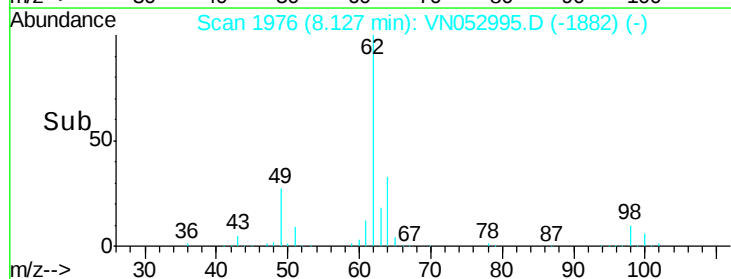
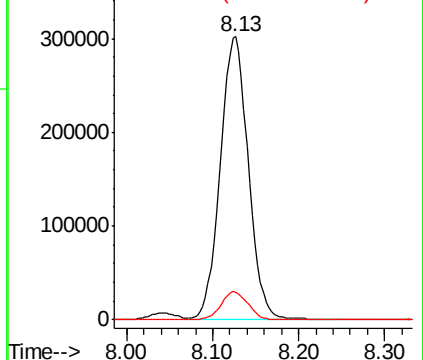


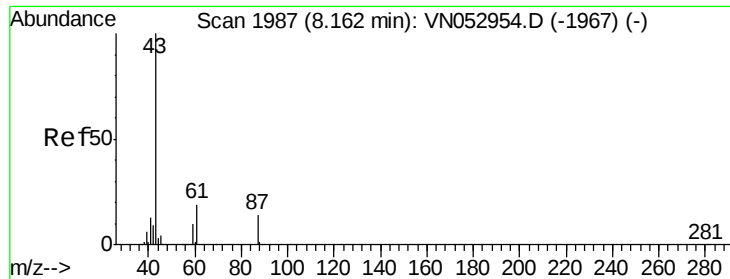
#42
1,2-Dichloroethane
Concen: 50.157 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 51.891 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

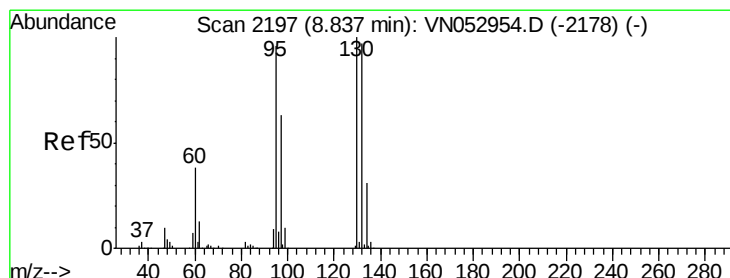
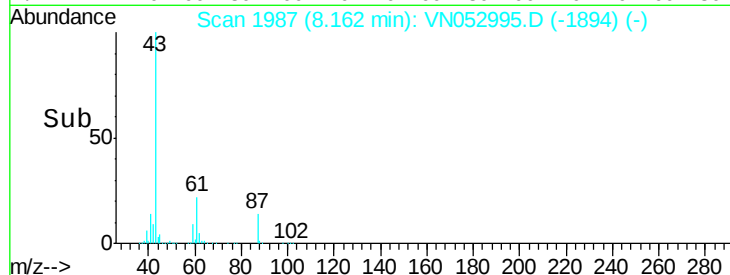
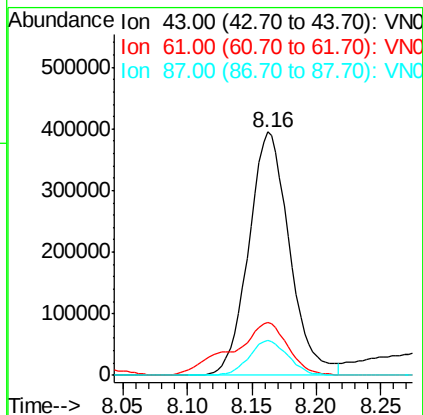
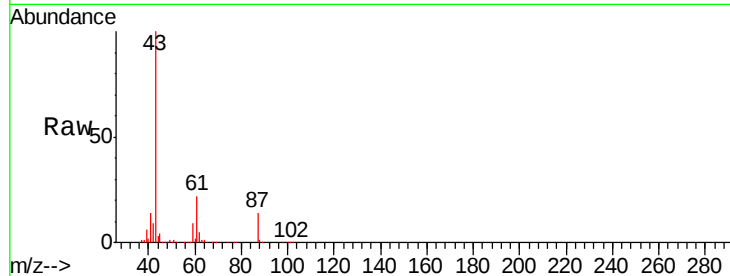
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	868504
Ion Ratio		Lower	Upper
43	100		
61	29.1	22.9	34.3
87	13.9	10.6	15.8

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#44

Trichloroethene

Concen: 48.916 ug/l

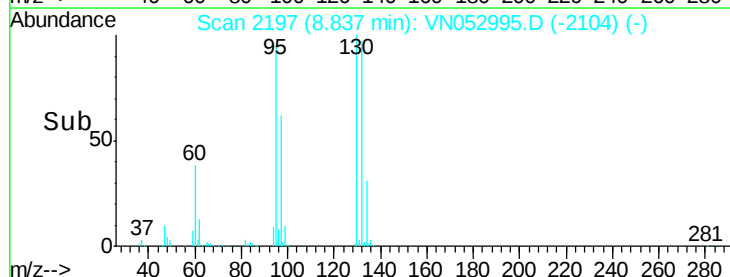
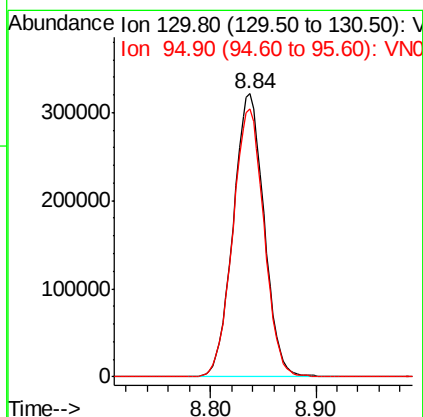
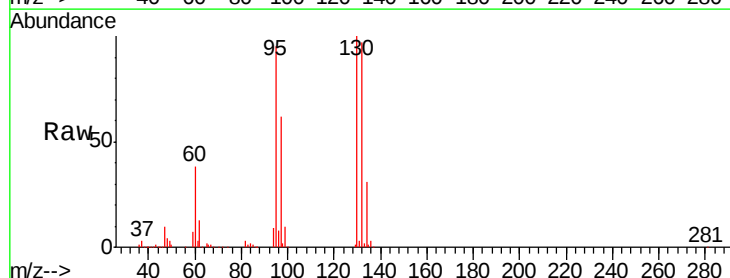
RT: 8.84 min Scan# 2197

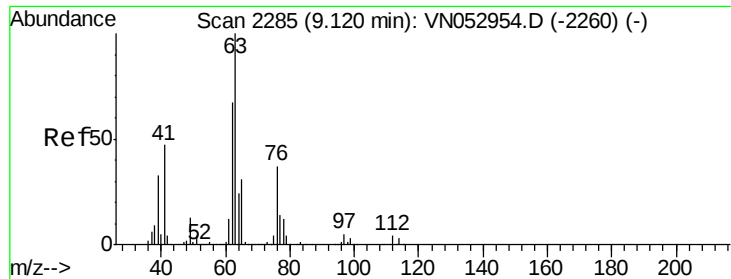
Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Tgt Ion:	130	Resp:	652498
Ion Ratio		Lower	Upper
130	100		
95	94.5	0.0	197.8





#45

1,2-Dichloropropane

Concen: 50.475 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 606332

Ion Ratio Lower Upper

63 100

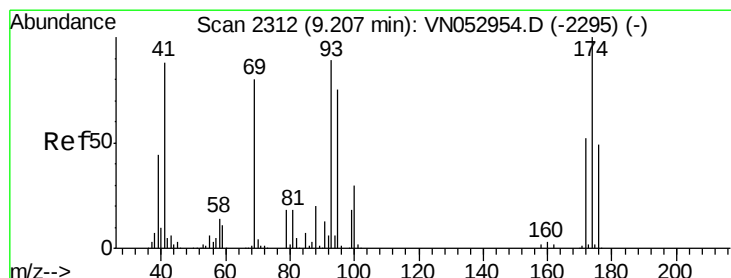
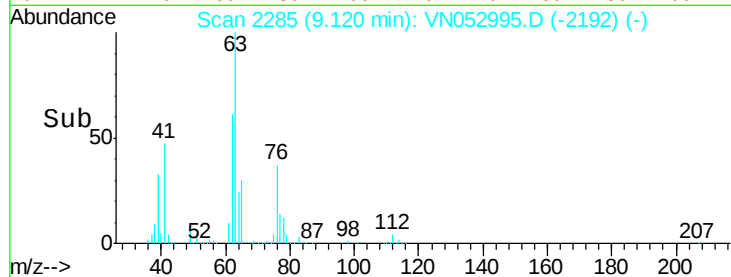
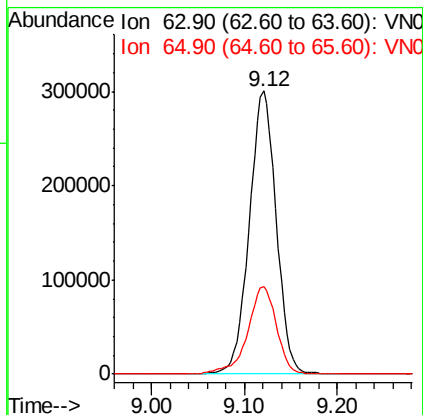
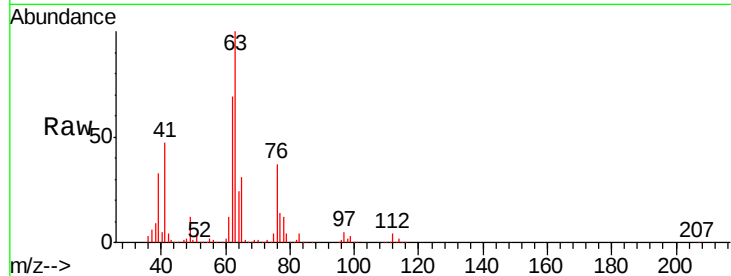
65 30.8 24.6 37.0

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#46

Dibromomethane

Concen: 50.072 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

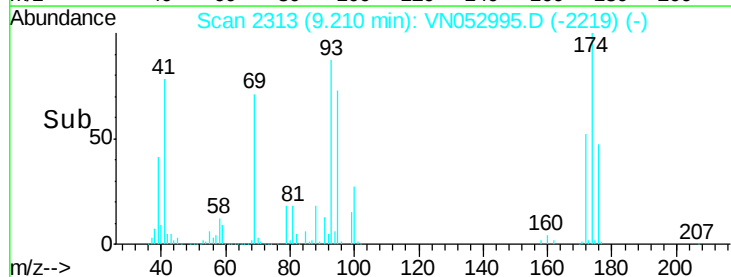
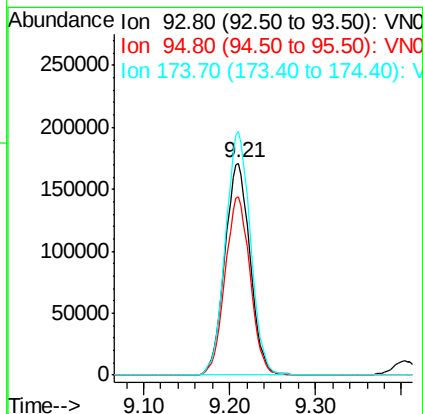
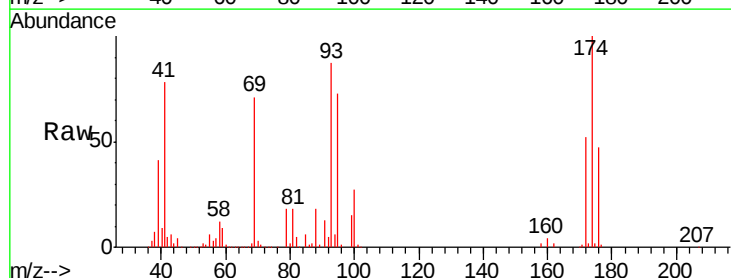
Tgt Ion: 93 Resp: 350397

Ion Ratio Lower Upper

93 100

95 83.4 67.8 101.6

174 113.6 89.0 133.4





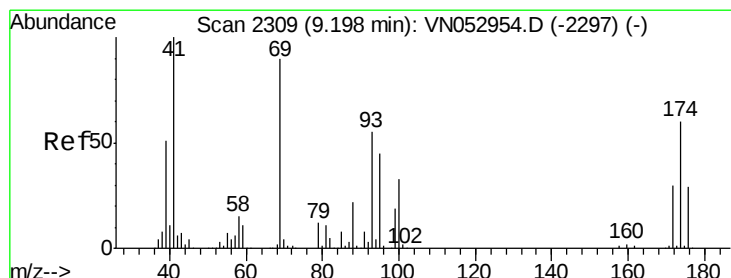
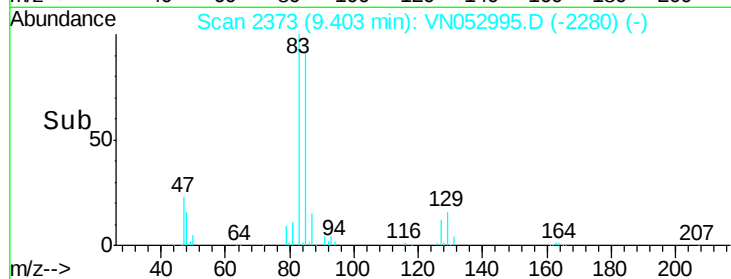
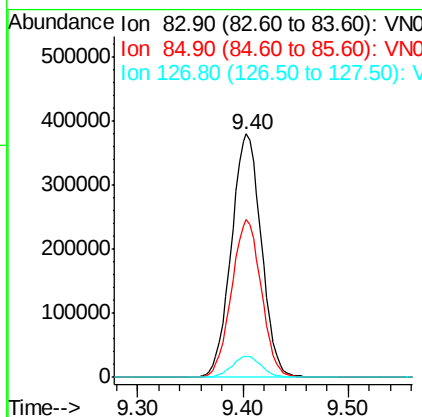
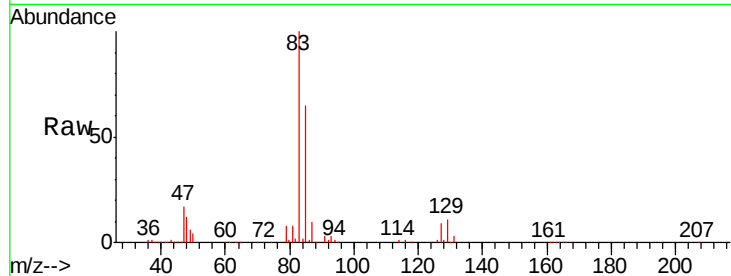
#47
Bromodichloromethane
Concen: 50.252 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4
127	8.8	7.1	10.7

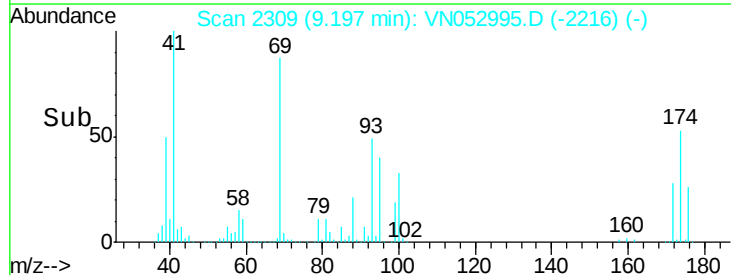
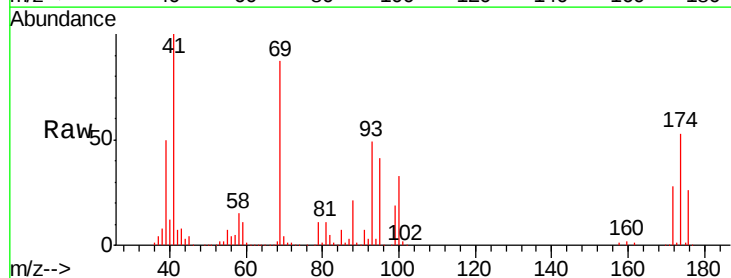
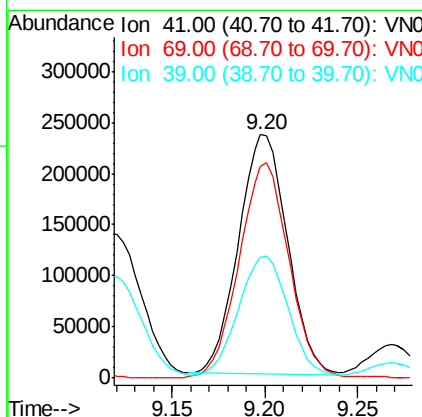
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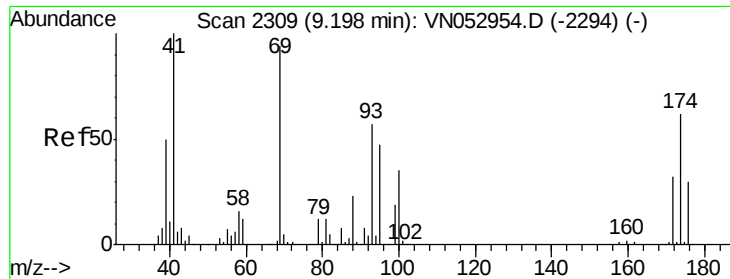
MMDadoda
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#48
Methyl methacrylate
Concen: 51.331 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.7	72.2	108.2
39	52.4	41.9	62.9





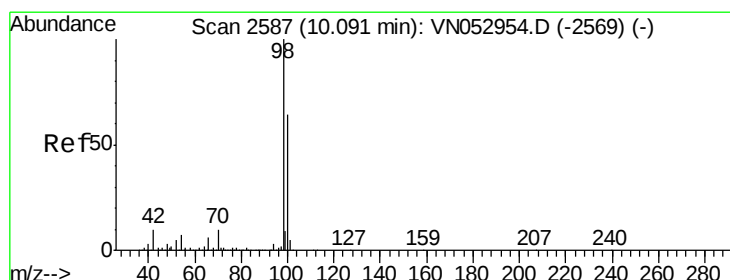
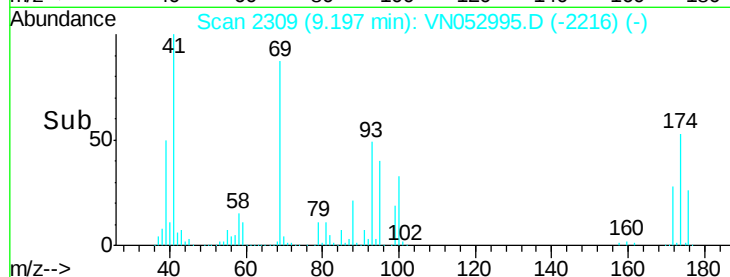
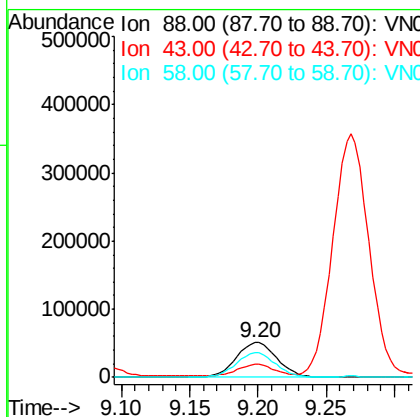
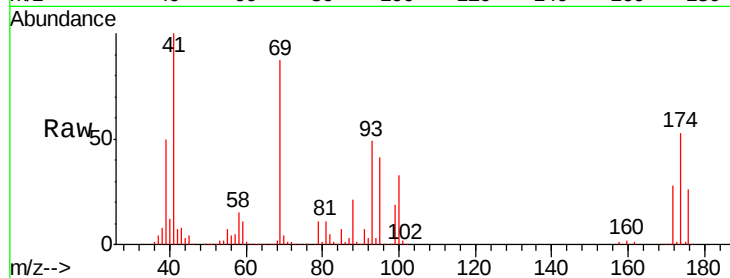
#49
1,4-Dioxane
Concen: 1001.640 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	106418		
43	31.5	26.6	40.0	
58	68.7	58.4	87.6	

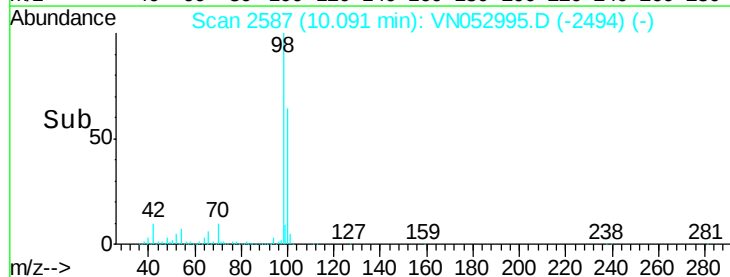
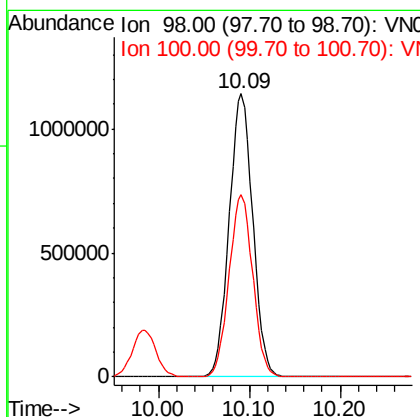
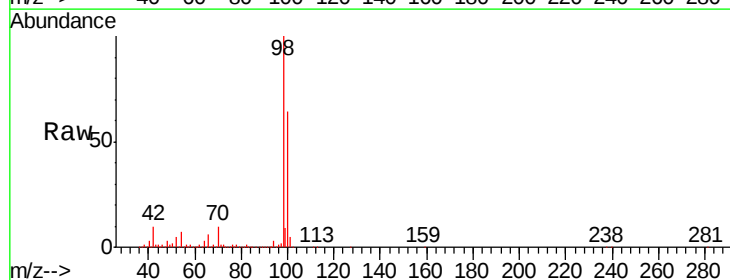
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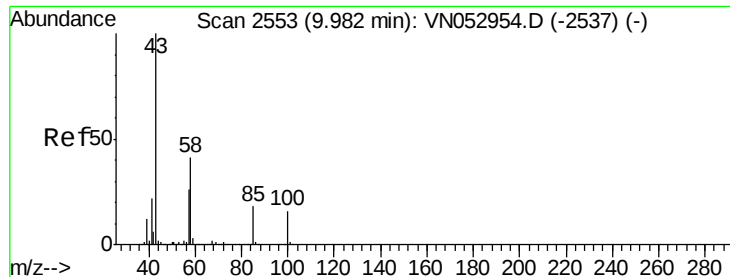
MMDadoda
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#50
Toluene-d8
Concen: 1001.640 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2056853		
100	64.4	51.6	77.4	





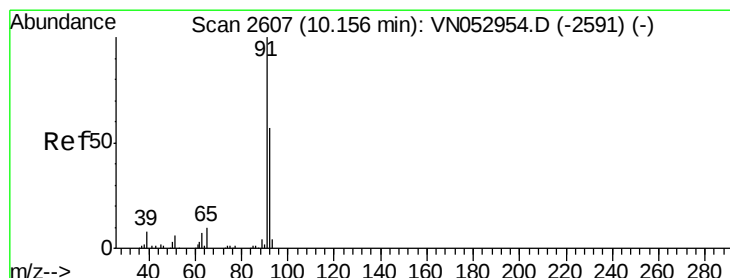
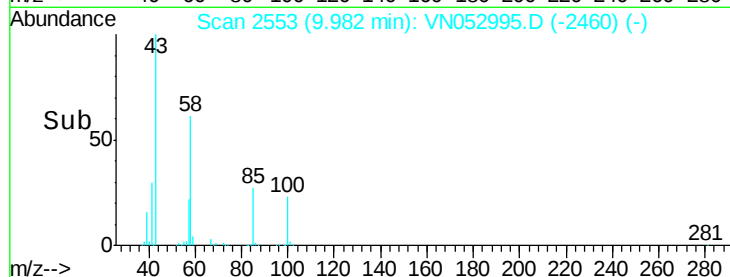
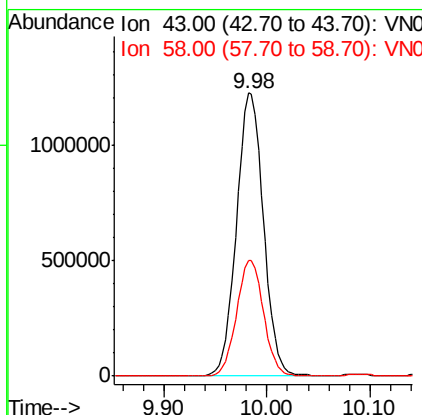
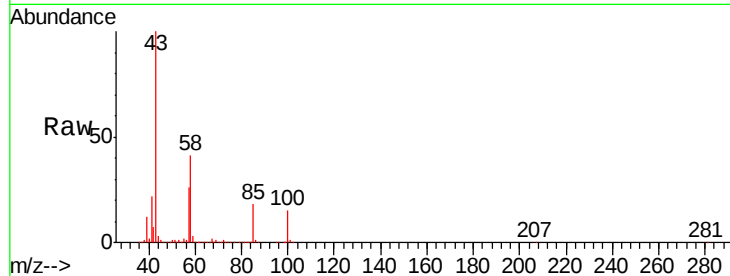
#51
4-Methyl-2-Pentanone
Concen: 265.263 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 2223468
Ion Ratio Lower Upper
43 100
58 41.0 32.2 48.4

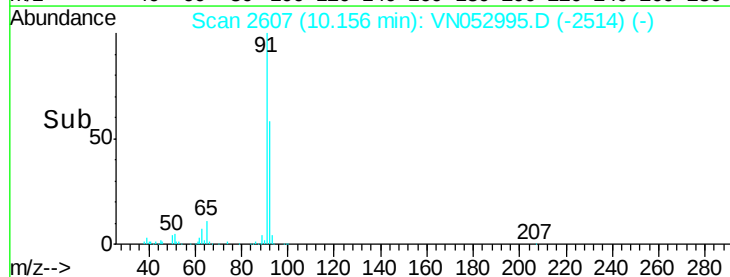
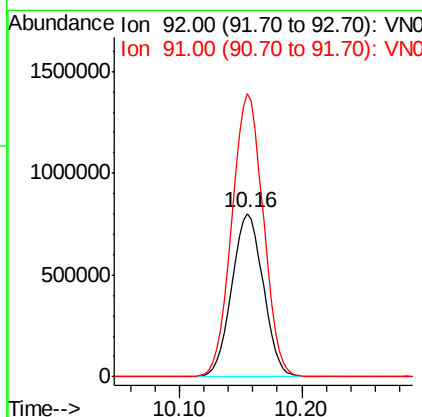
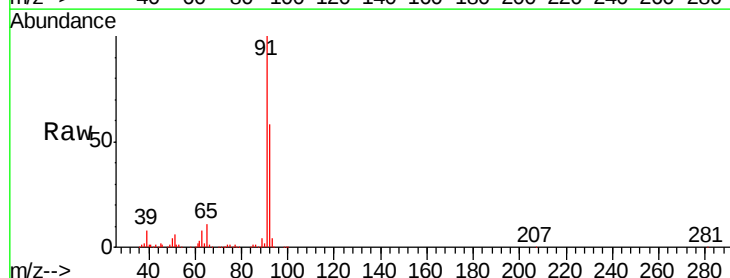
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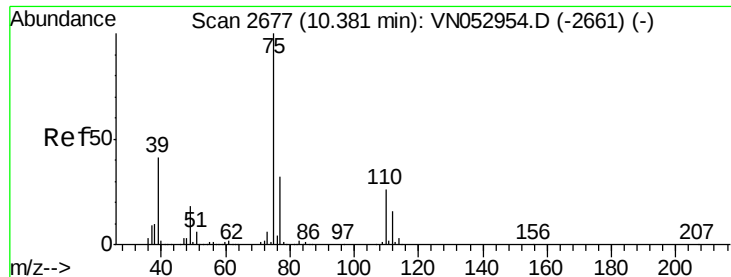
MMDadoda
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#52
Toluene
Concen: 50.256 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion: 92 Resp: 1436600
Ion Ratio Lower Upper
92 100
91 173.4 139.8 209.6





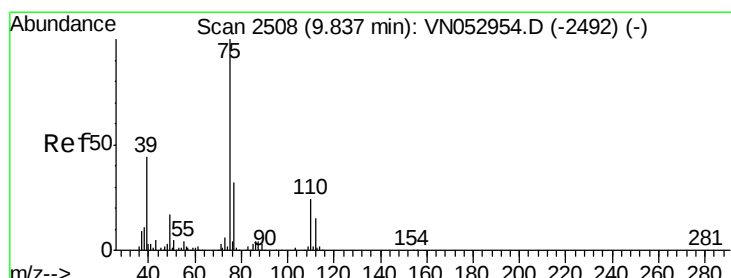
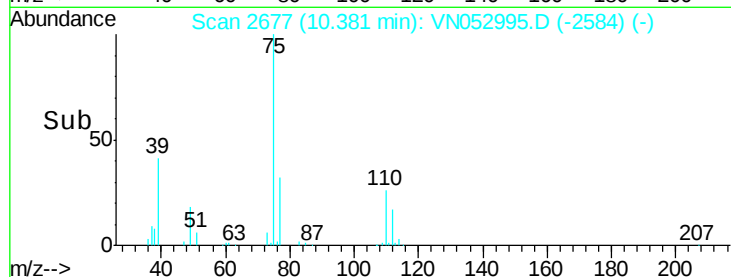
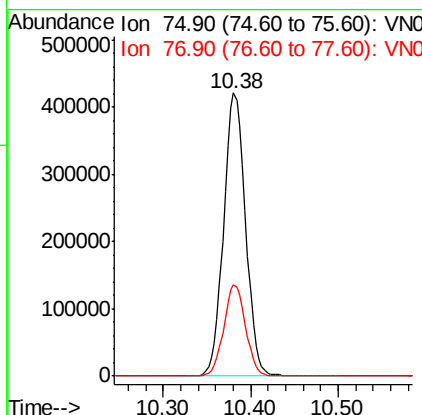
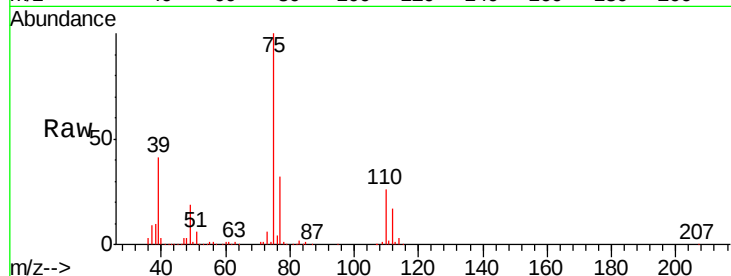
#53
t-1,3-Dichloropropene
Concen: 46.820 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 732345
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4

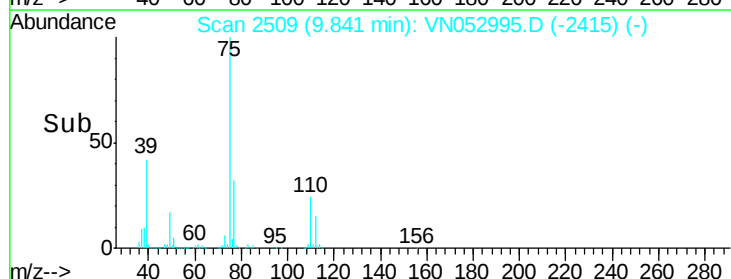
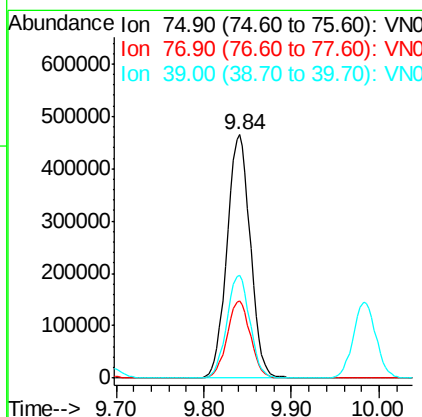
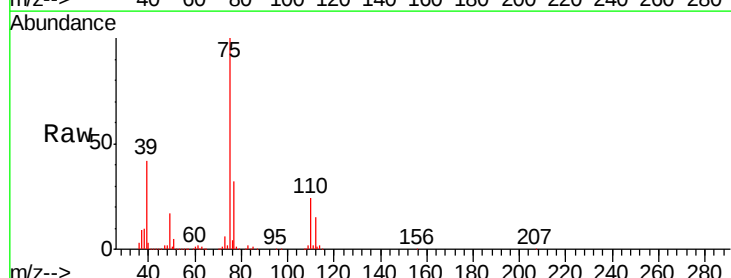
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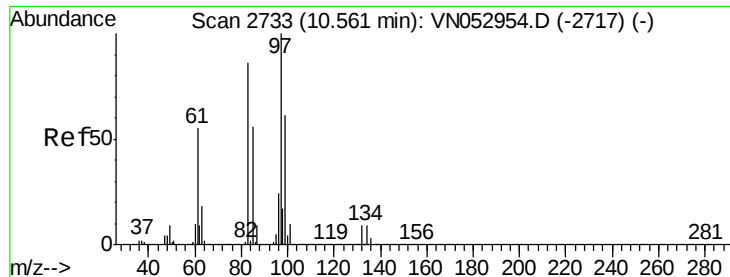
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 48.011 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion: 75 Resp: 862000
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.8
39 42.4 34.8 52.2





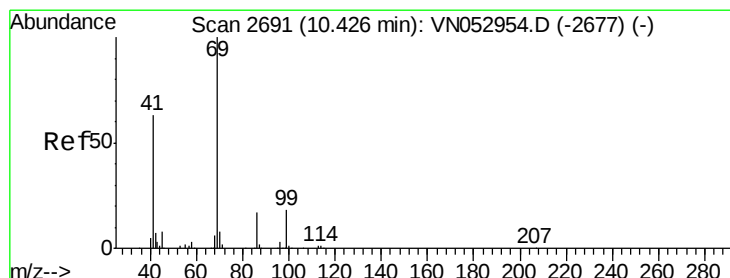
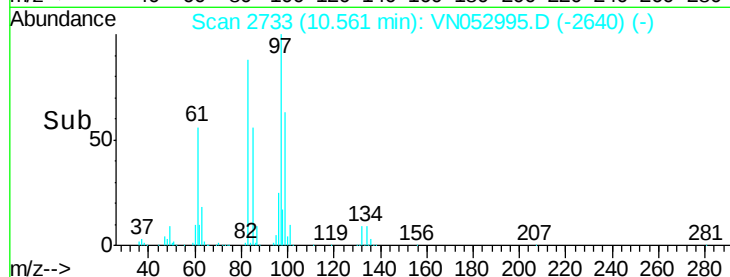
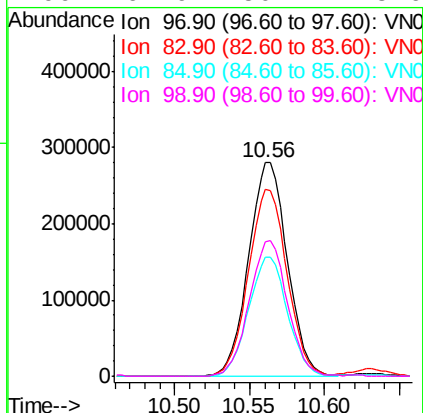
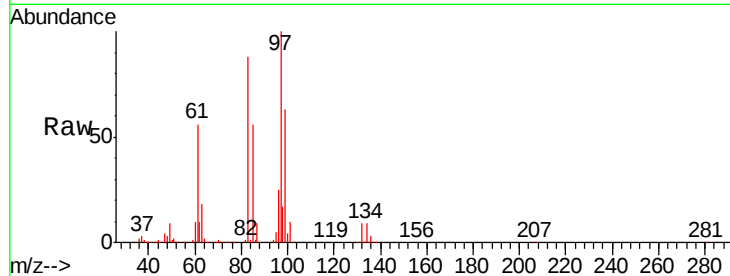
#55
 1,1,2-Trichloroethane
 Concen: 50.643 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.9	106.3
85	55.8	45.4	68.2
99	62.9	50.4	75.6

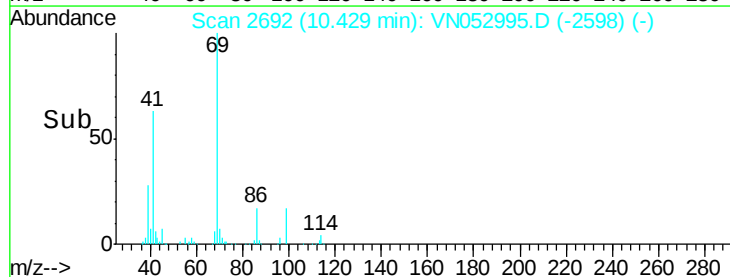
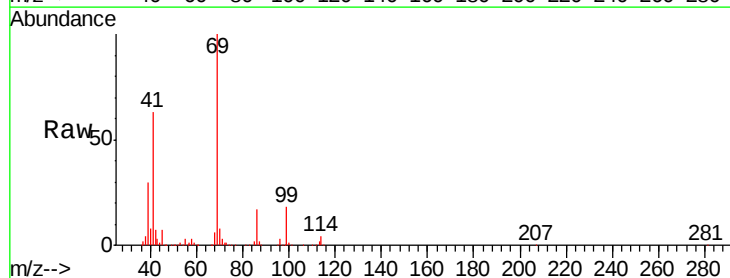
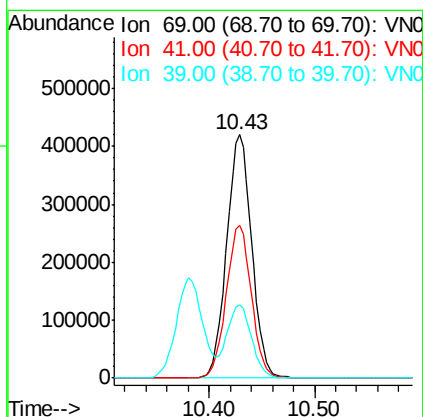
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 52.189 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.7	77.5
39	29.6	24.6	37.0





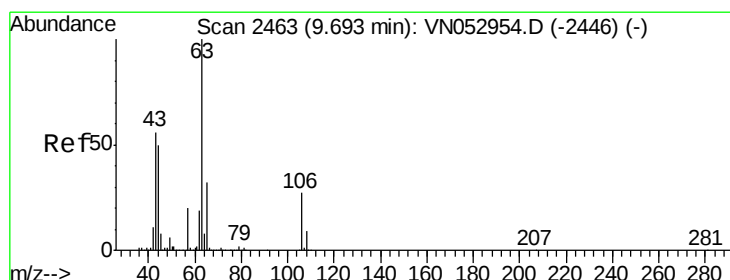
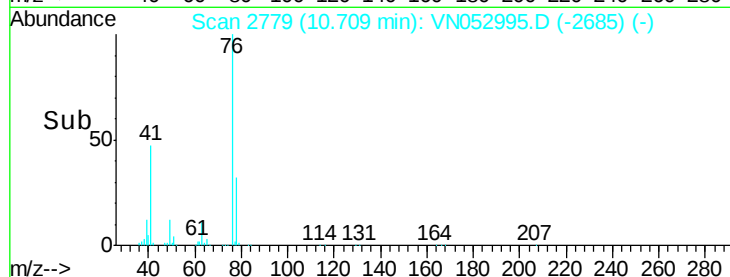
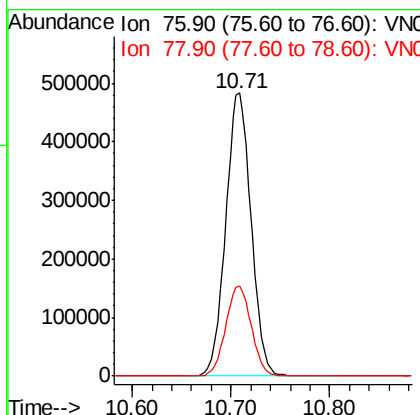
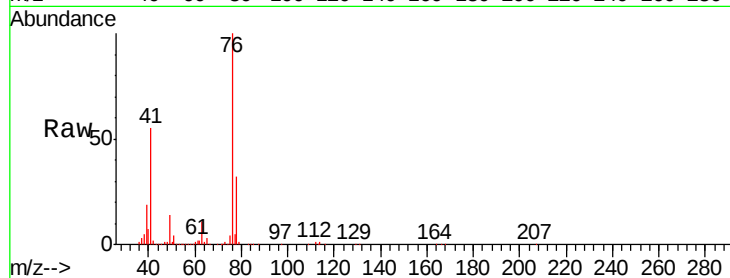
#57
 1,3-Dichloropropane
 Concen: 50.810 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 868909
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

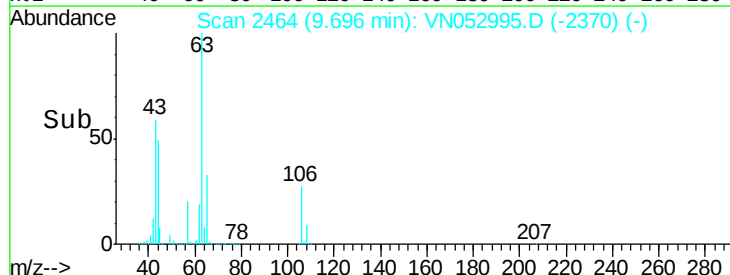
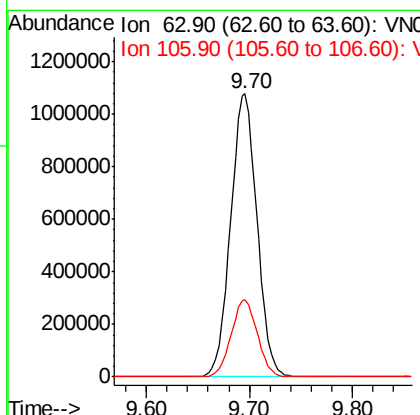
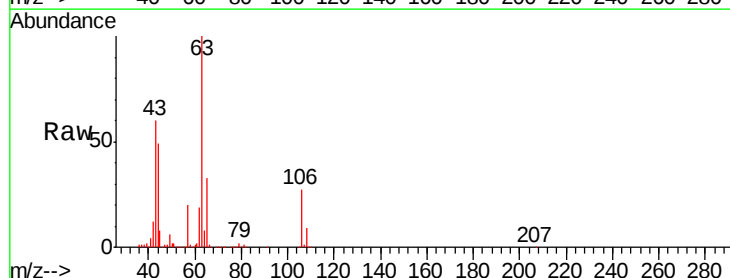
Manual Integrations
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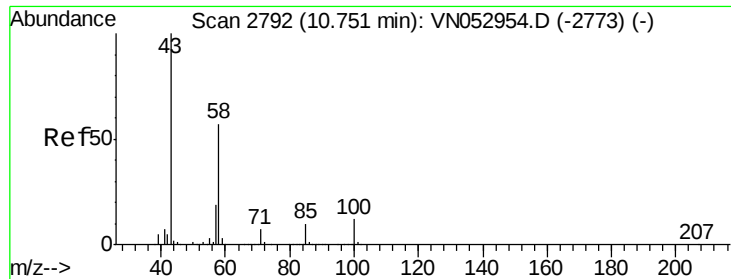
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 12/19/2018 12:08:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.072 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion: 63 Resp: 1913608
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.0 31.6





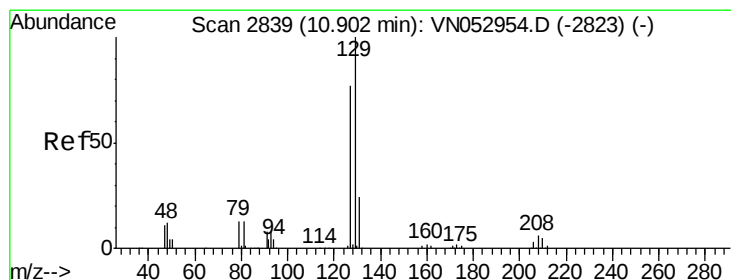
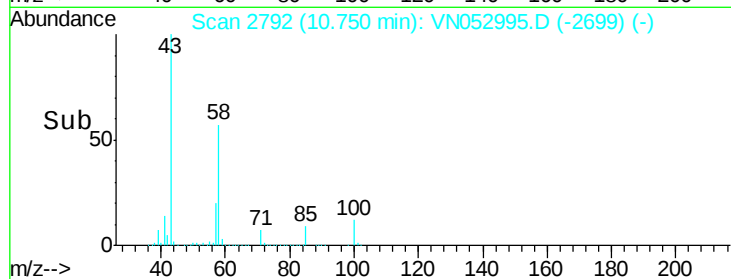
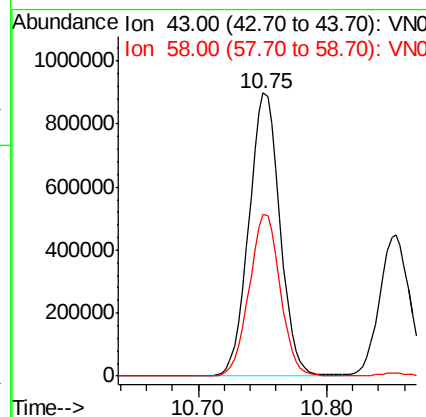
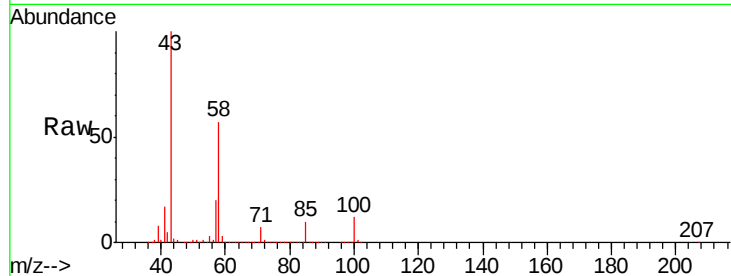
#59
2-Hexanone
Concen: 265.365 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1504938
Ion Ratio Lower Upper
43 100
58 57.3 28.1 84.3

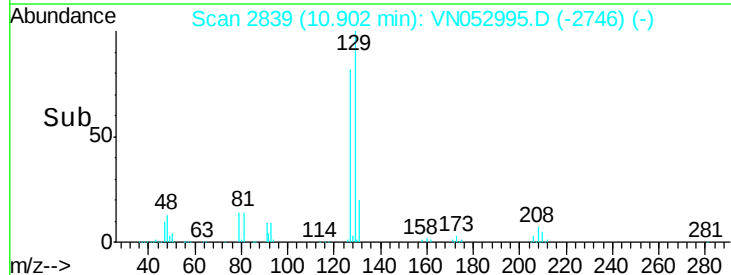
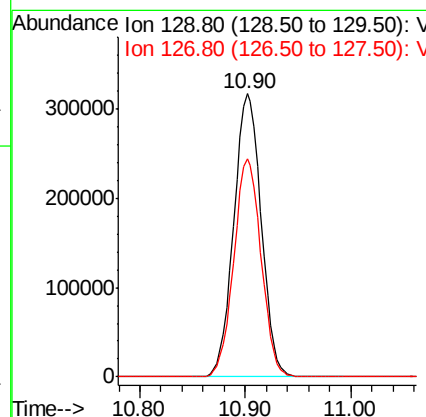
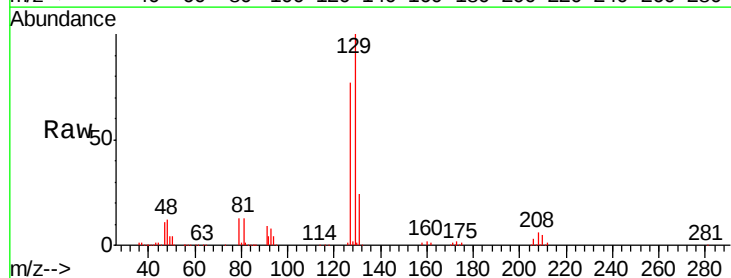
Manual Integrations
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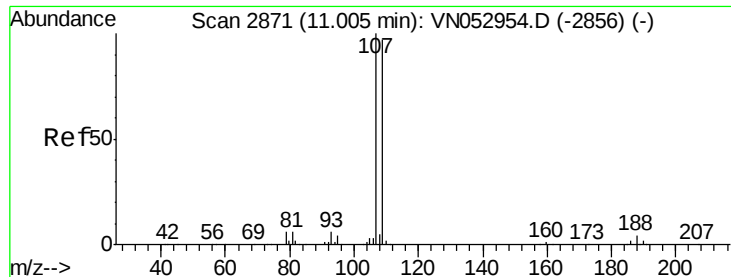
MMDadoda
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#60
Dibromochloromethane
Concen: 49.877 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion: 129 Resp: 569363
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





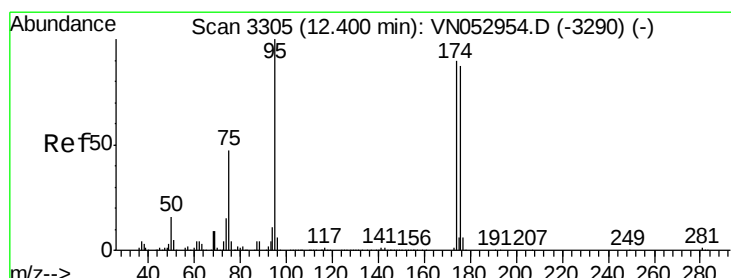
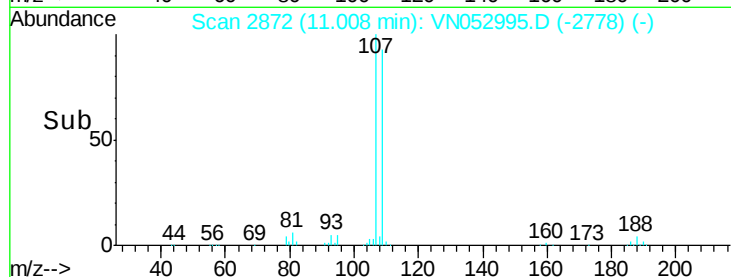
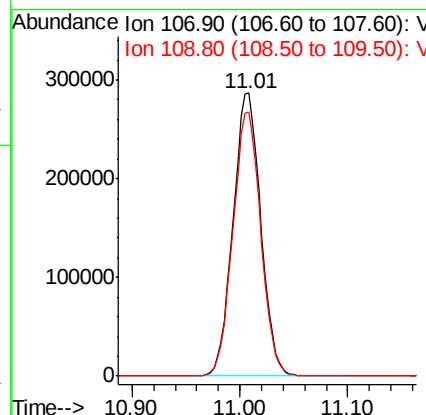
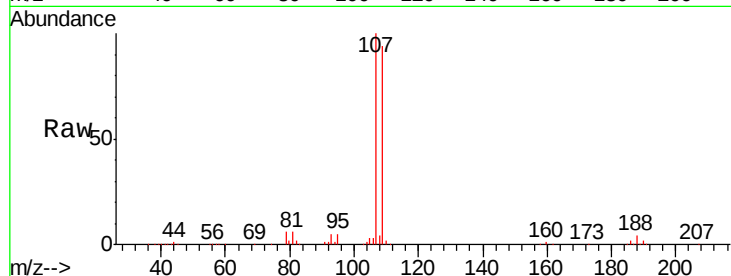
#61
 1,2-Dibromoethane
 Concen: 50.730 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 513799
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.4 113.0

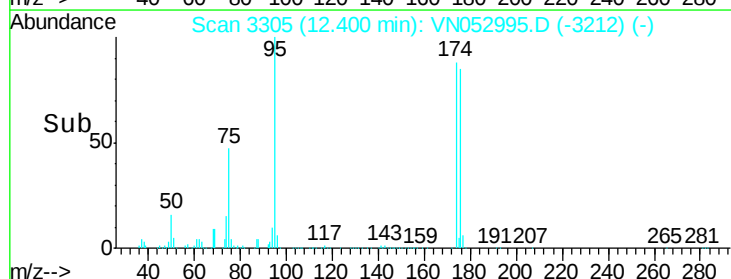
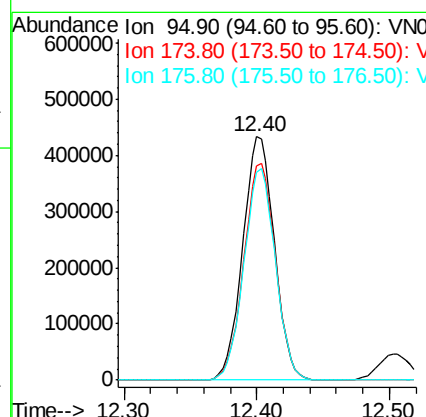
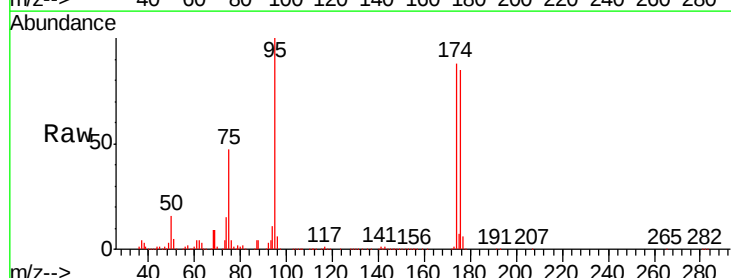
Manual Integrations
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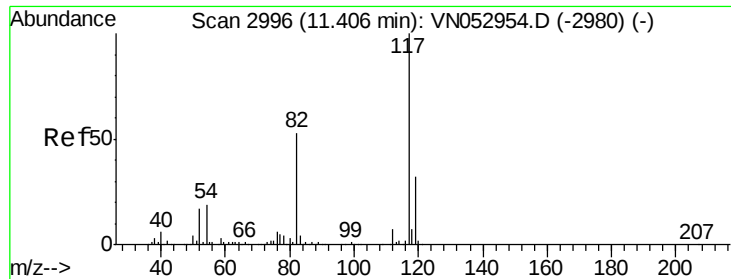
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#62
 4-Bromofluorobenzene
 Concen: 50.730 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion: 95 Resp: 715904
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 178.8
 176 86.6 0.0 173.8





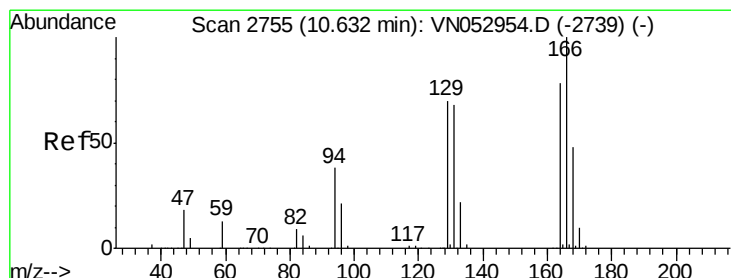
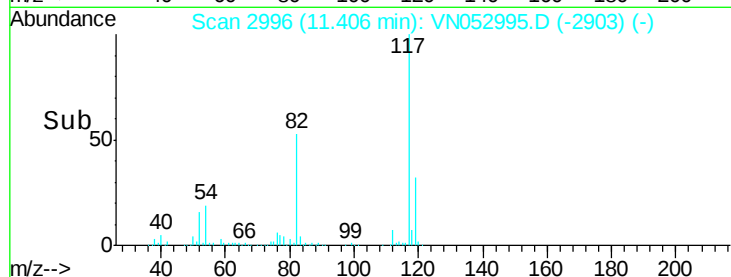
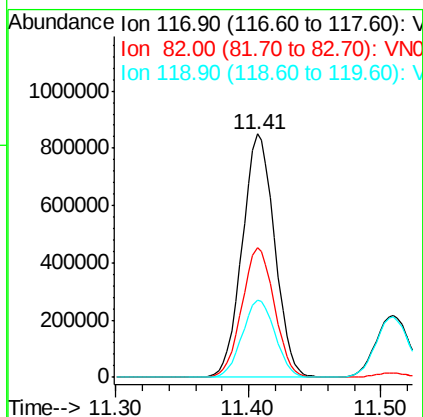
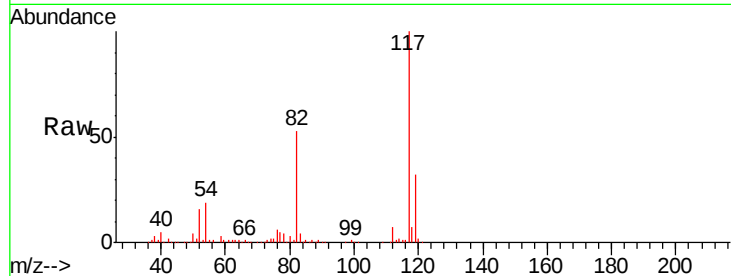
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1440749
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 31.7 25.5 38.3

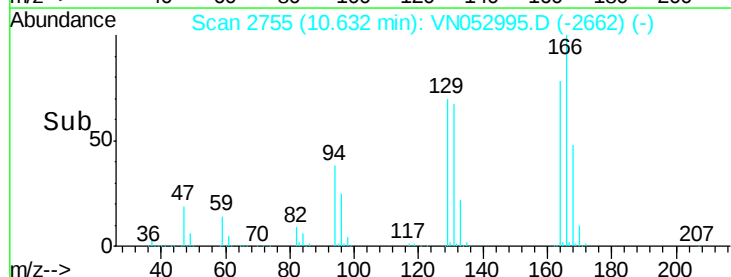
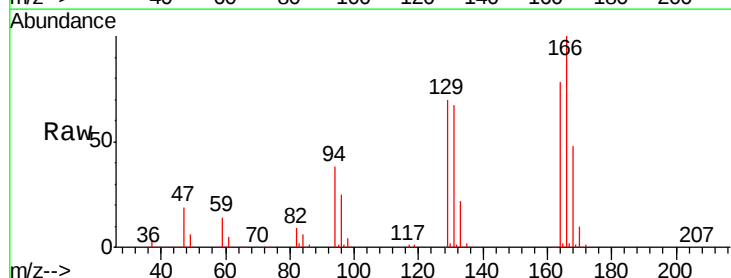
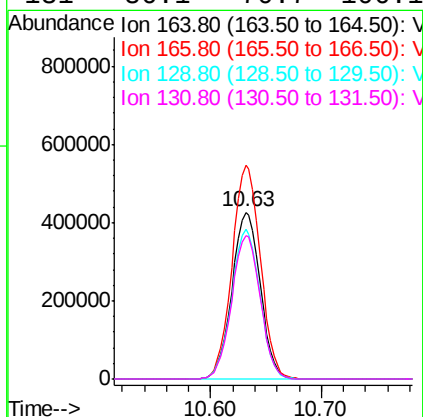
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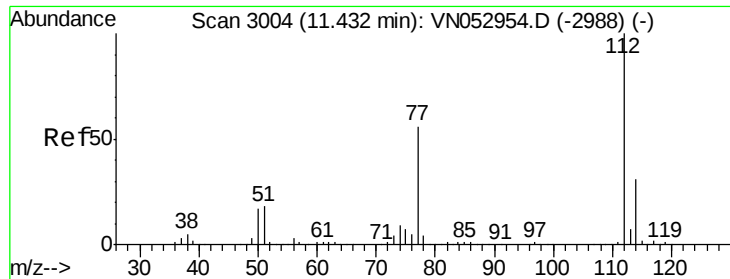
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#64
Tetrachloroethene
Concen: 48.675 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion:164 Resp: 759652
Ion Ratio Lower Upper
164 100
166 127.9 102.9 154.3
129 89.6 73.7 110.5
131 86.1 70.7 106.1





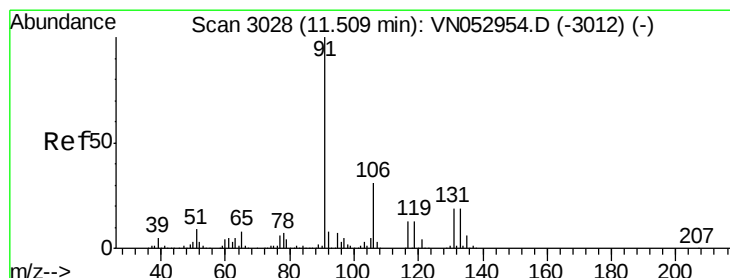
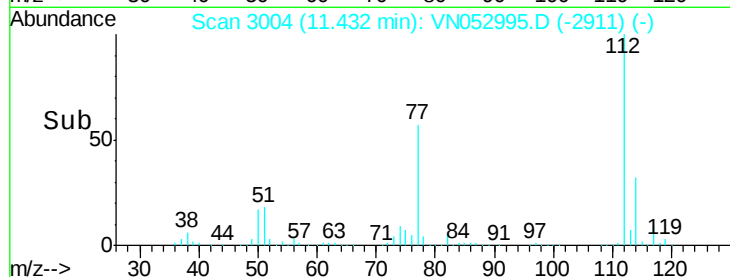
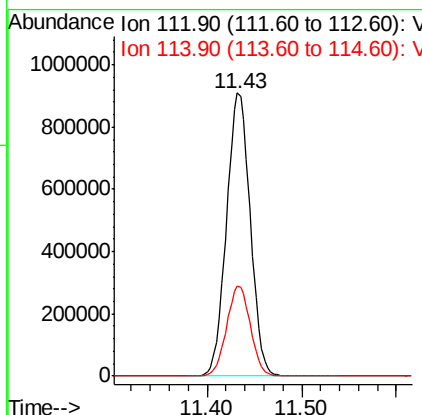
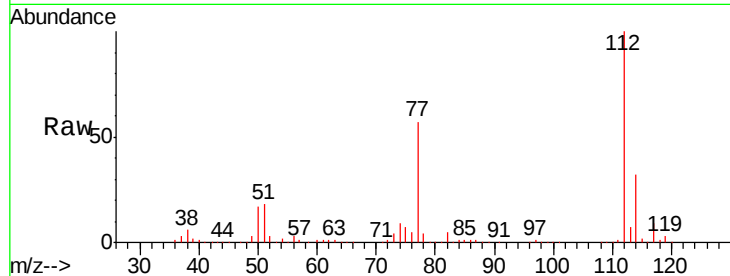
#65
Chlorobenzene
Concen: 49.490 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 1580580
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

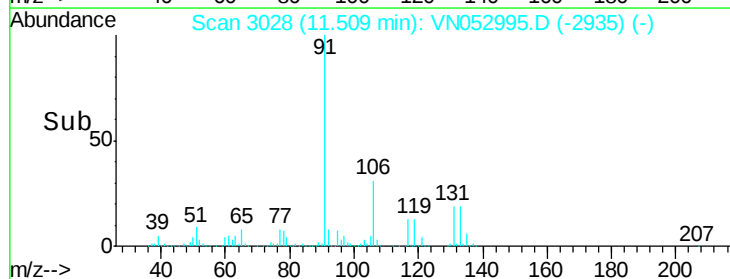
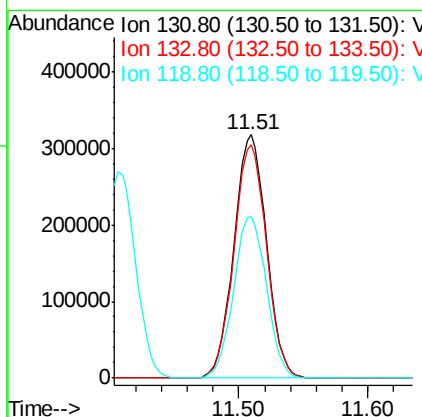
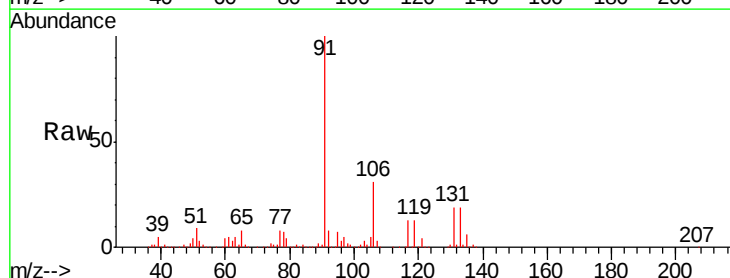
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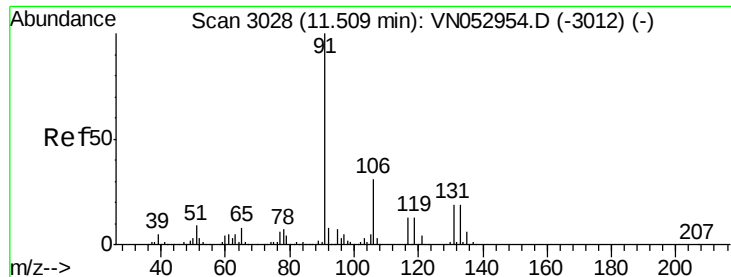
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.176 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion:131 Resp: 557258
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.9
119 67.0 33.3 99.8





#67

Ethyl Benzene

Concen: 49.845 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 2737699

Ion Ratio Lower Upper

91 100

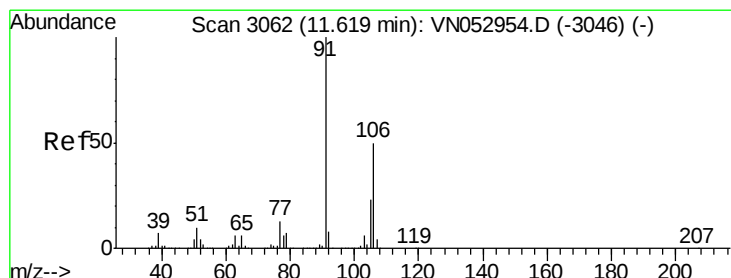
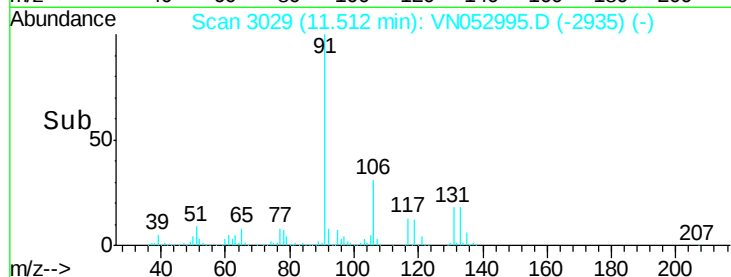
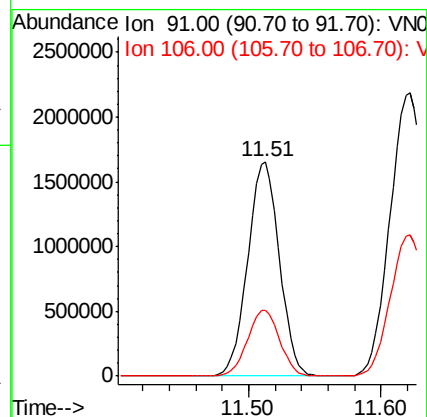
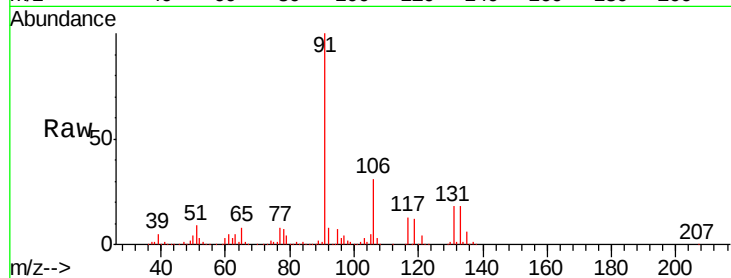
106 30.9 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 99.142 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052995.D

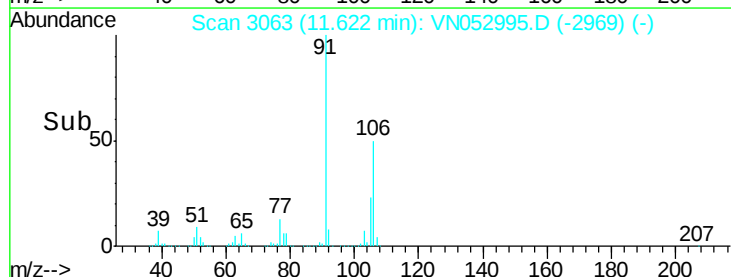
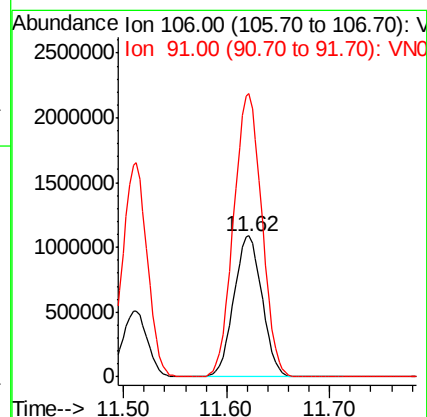
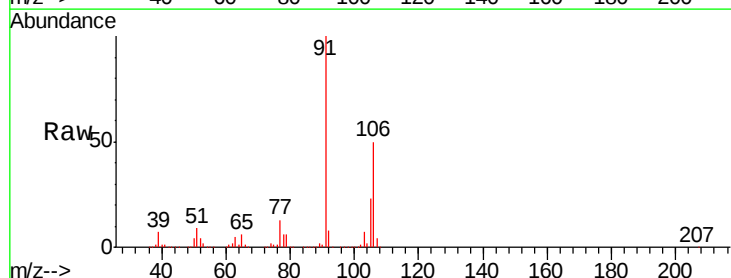
Acq: 19 Dec 2018 7:19

Tgt Ion: 106 Resp: 2070052

Ion Ratio Lower Upper

106 100

91 201.7 162.2 243.4





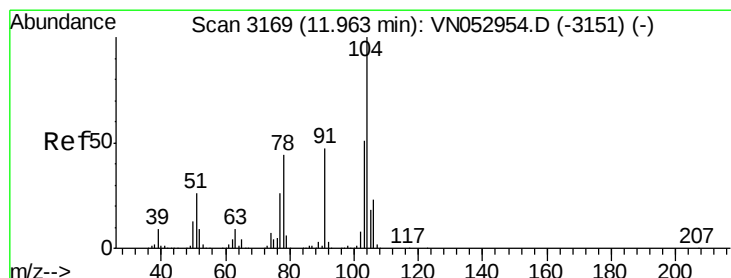
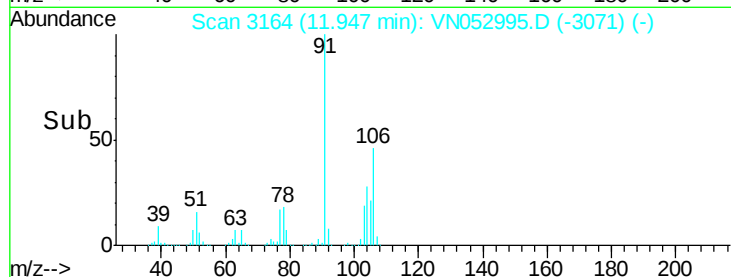
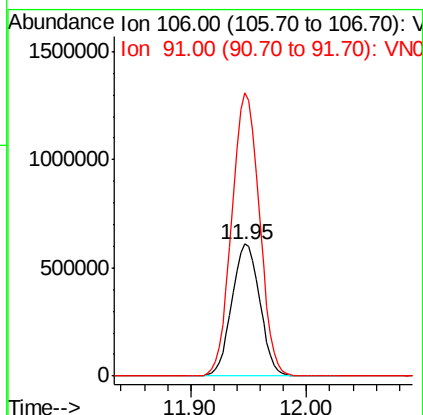
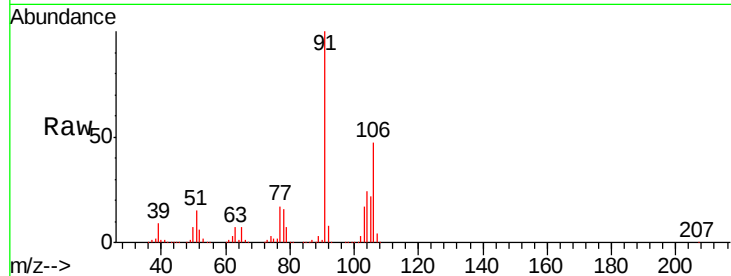
#69
o-Xylene
Concen: 50.694 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 1015688
Ion Ratio Lower Upper
106 100
91 212.5 106.6 319.8

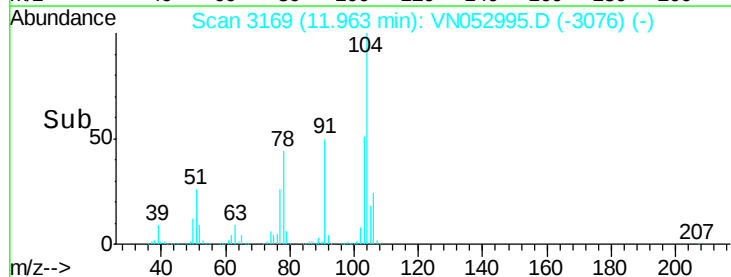
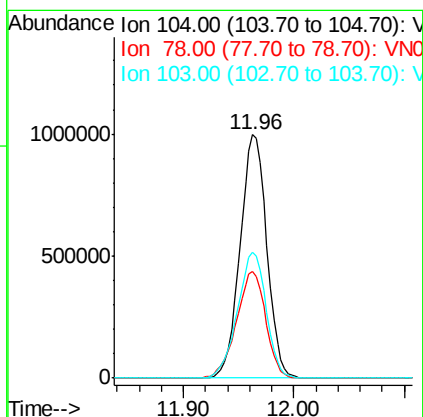
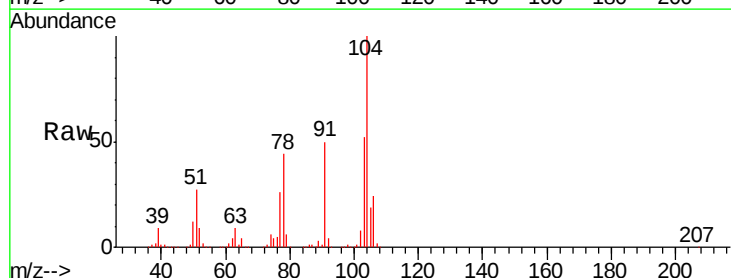
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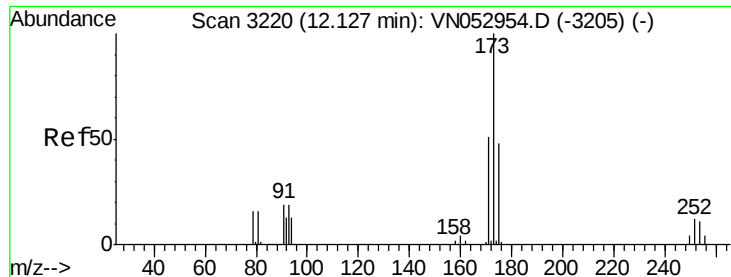
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#70
Styrene
Concen: 51.074 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion:104 Resp: 1668601
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 55.6 44.3 66.5





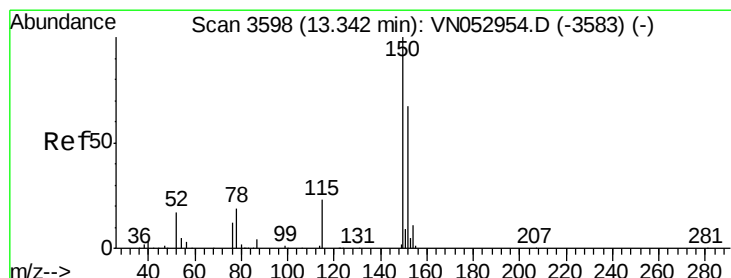
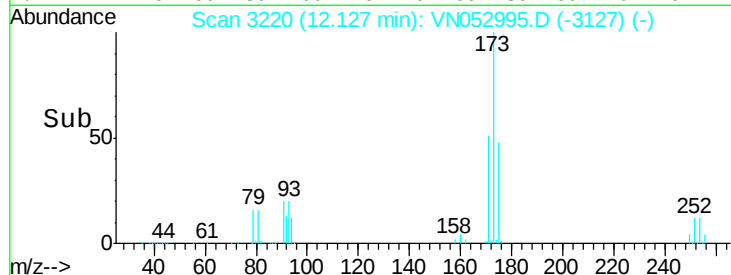
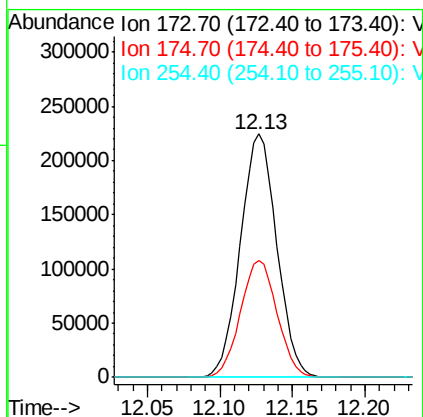
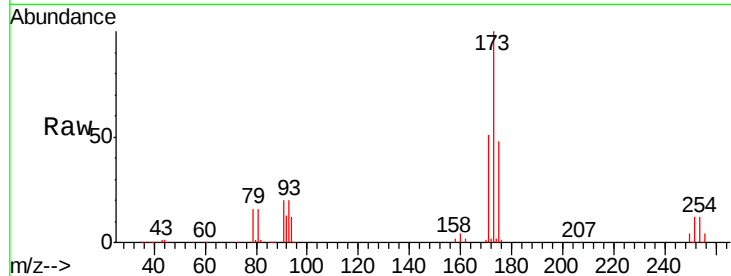
#71
Bromoform
Concen: 48.867 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	392075		
175	48.5	24.3	72.9	
254	0.2	0.1	0.1#	

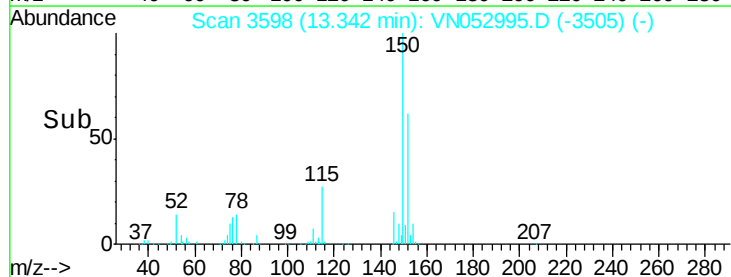
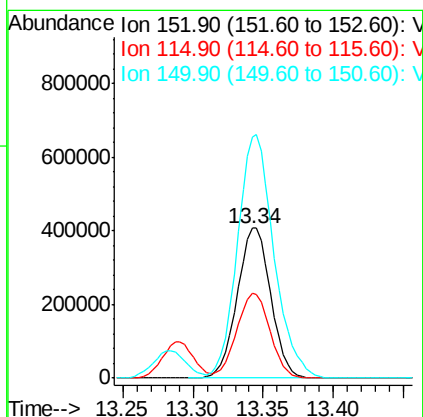
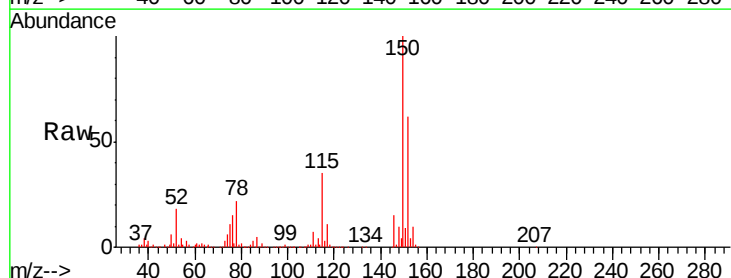
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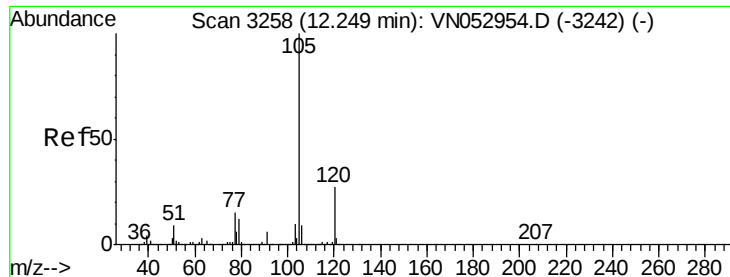
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	677184		
115	56.3	28.3	85.0	
150	176.4	0.0	347.8	





#73

Isopropylbenzene

Concen: 50.678 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 2685111

Ion Ratio Lower Upper

105 100

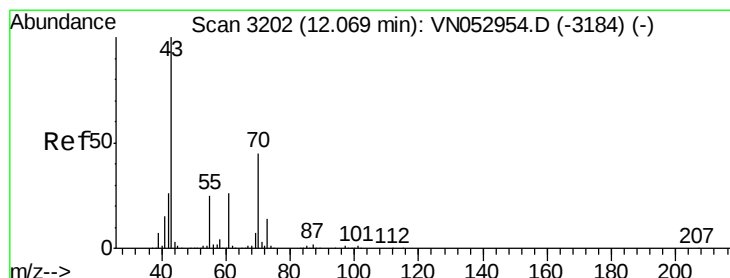
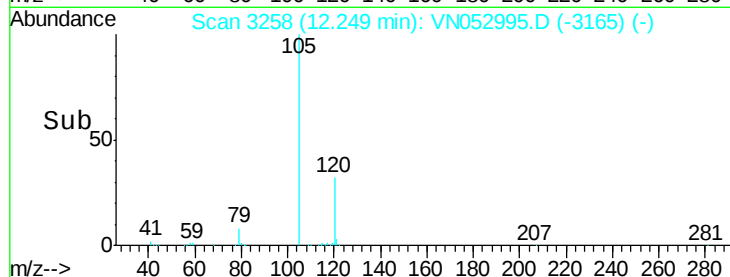
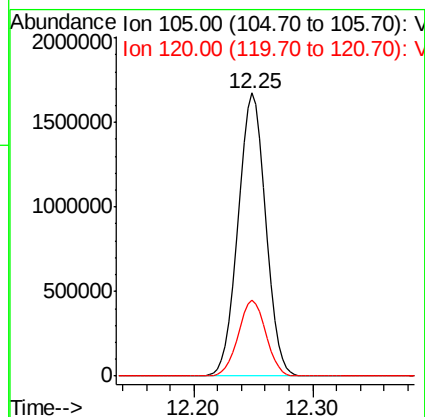
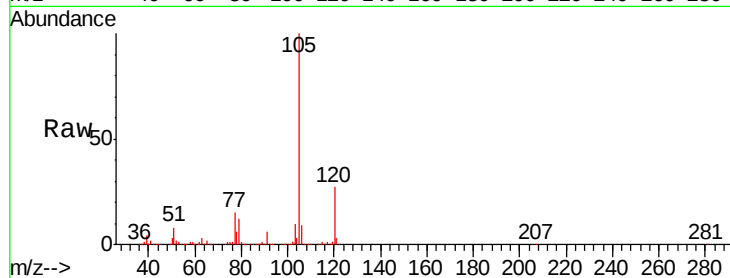
120 26.8 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.303 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Tgt Ion: 43 Resp: 784103

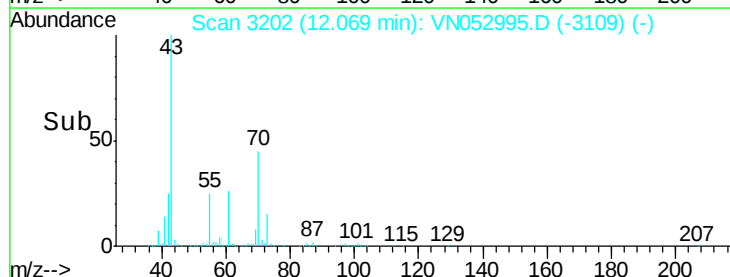
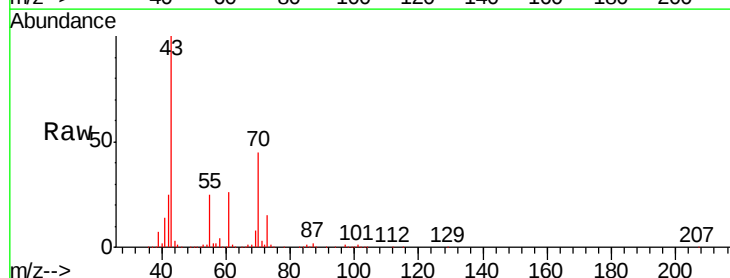
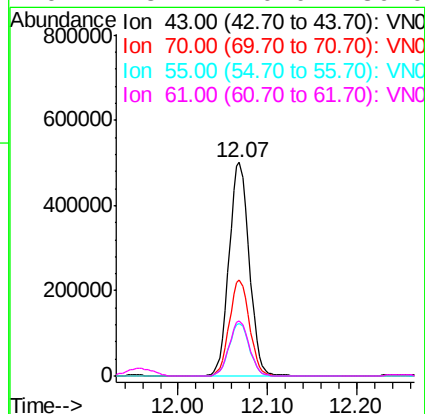
Ion Ratio Lower Upper

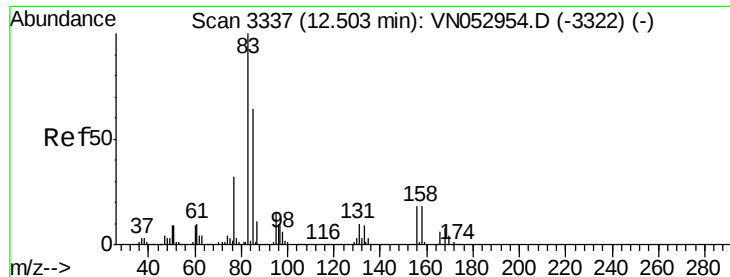
43 100

70 44.8 34.2 51.4

55 25.0 20.3 30.5

61 25.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.068 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 541228
Ion Ratio Lower Upper

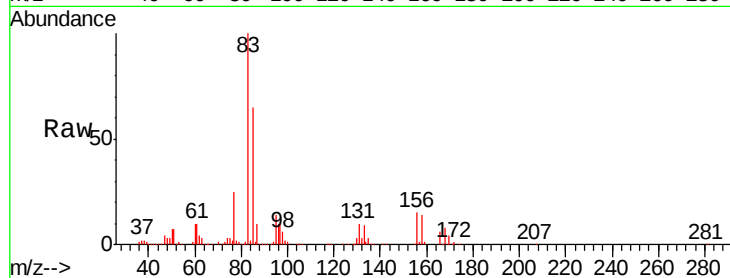
83 100

131 10.6 5.2 15.6

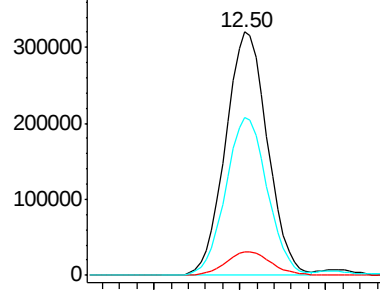
85 64.6 32.4 97.0

Manual Integrations
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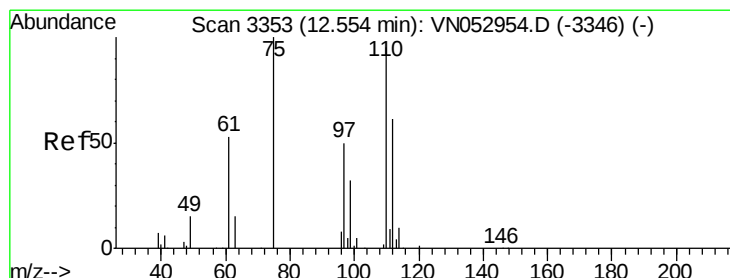
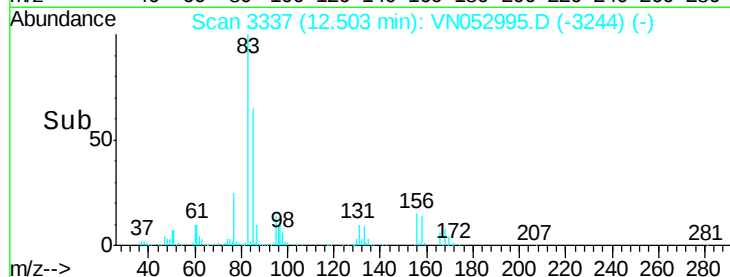
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



Time-->



#76

1,2,3-Trichloropropane

Concen: 44.026 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

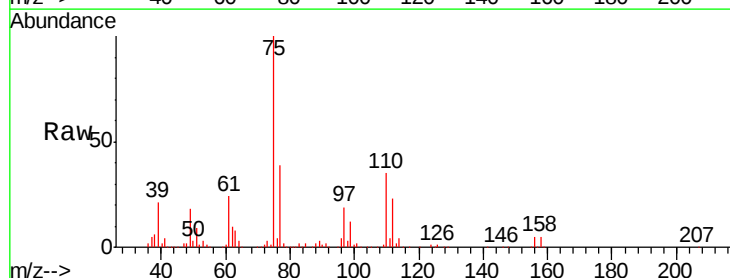
Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

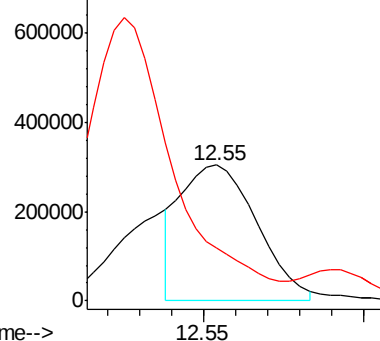
Tgt Ion: 75 Resp: 501883
Ion Ratio Lower Upper

75 100

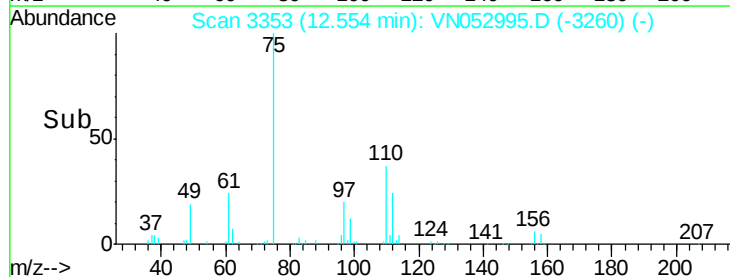
77 0.0 0.0 0.0

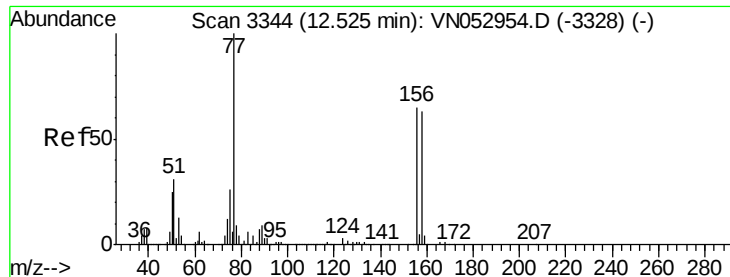


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN



Time-->





#77

Bromobenzene

Concen: 50.049 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

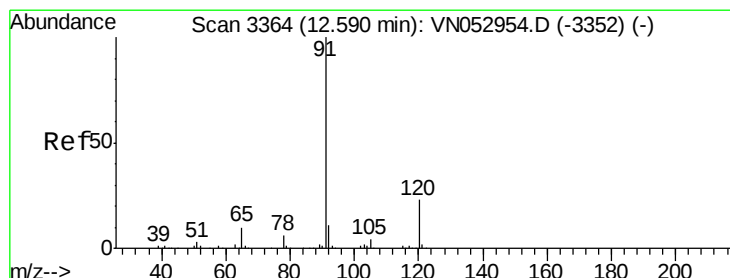
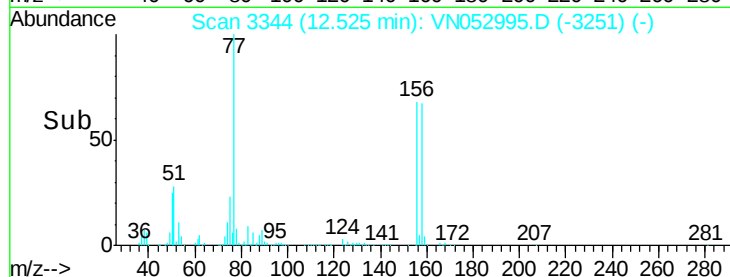
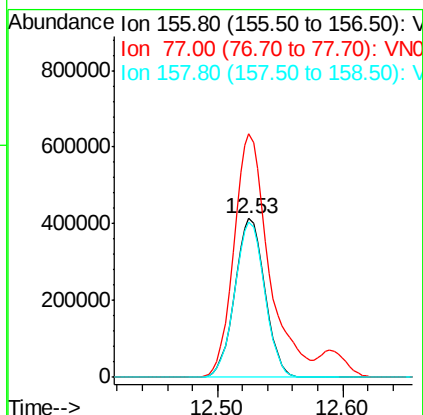
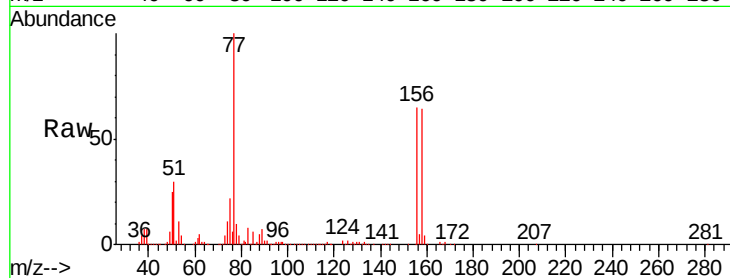
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	689311
Ion Ratio	Lower	Upper	
156	100		
77	177.3	91.3	273.8
158	97.6	49.0	147.2

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#78

n-propylbenzene

Concen: 50.116 ug/l

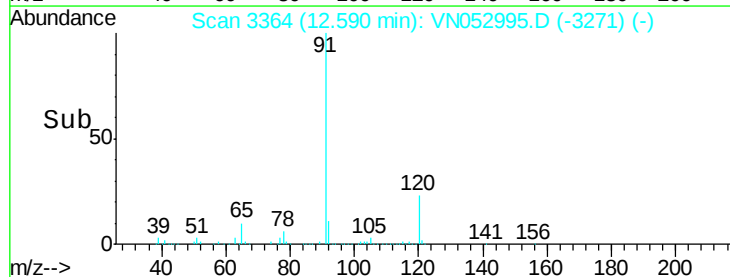
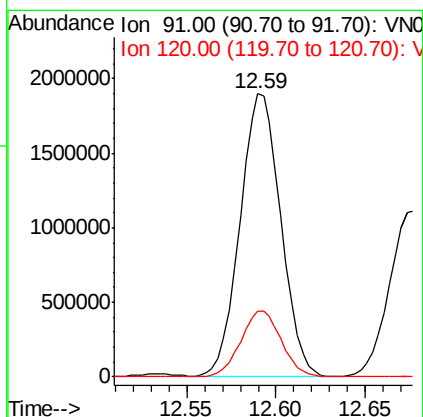
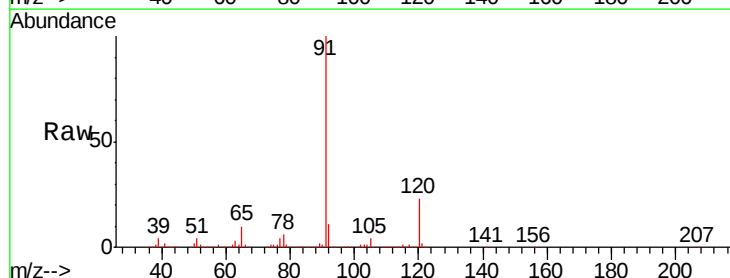
RT: 12.59 min Scan# 3364

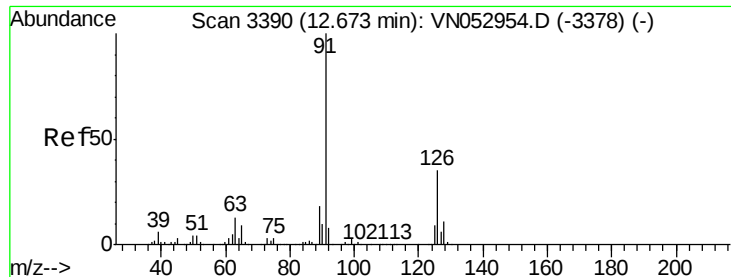
Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Tgt Ion:	91	Resp:	3024158
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 47.694 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1783928

Ion Ratio Lower Upper

91 100

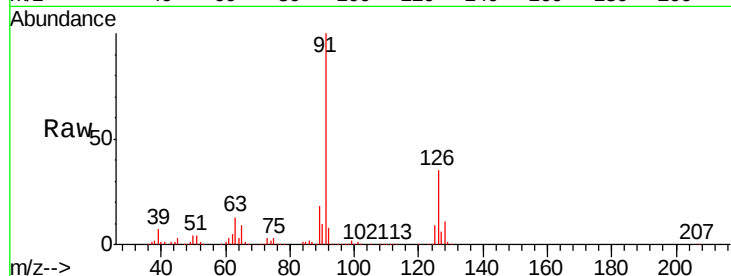
126 35.4 17.4 52.3

Manual Integrations

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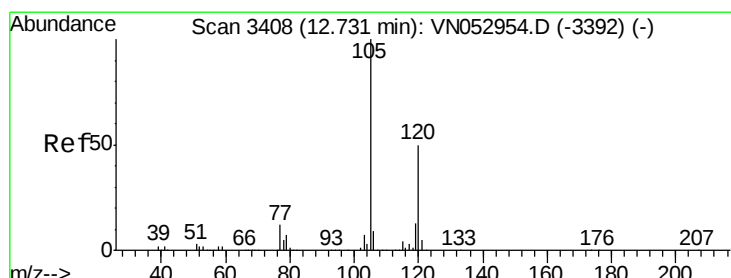
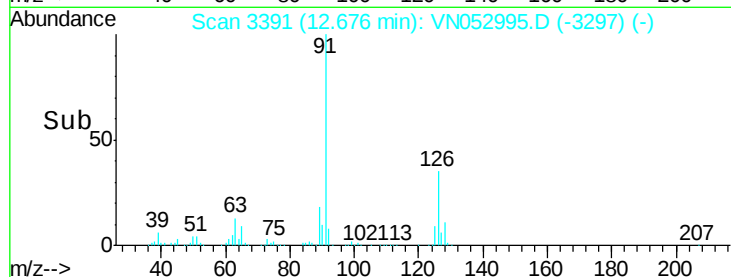
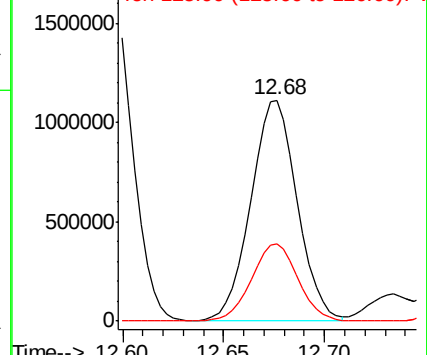
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Abundance Ion 91.00 (90.70 to 91.70): VN052995.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052995.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.631 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052995.D

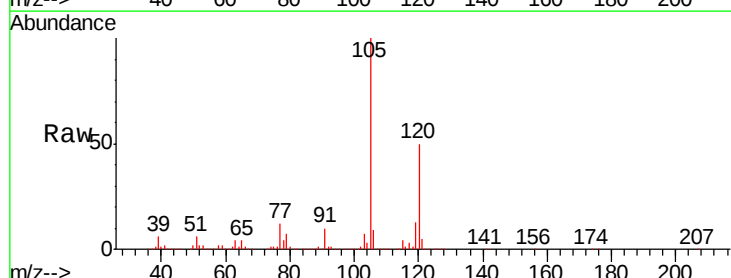
Acq: 19 Dec 2018 7:19

Tgt Ion: 105 Resp: 2143381

Ion Ratio Lower Upper

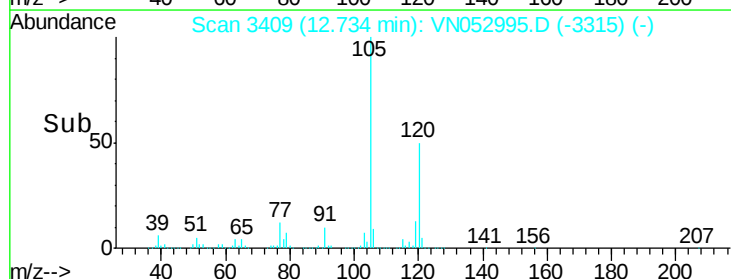
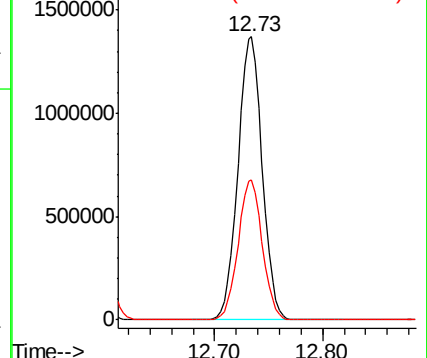
105 100

120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052995.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN052995.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.688 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052995.D

Acq: 19 Dec 2018 7:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 161590
Ion Ratio Lower Upper

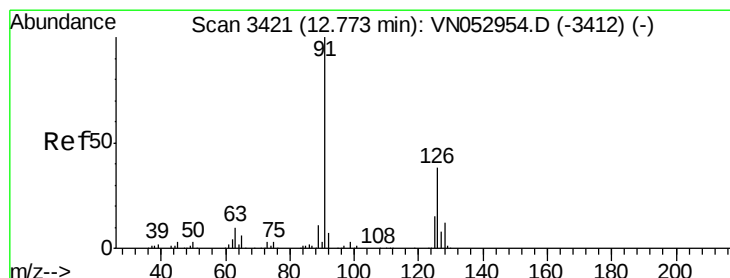
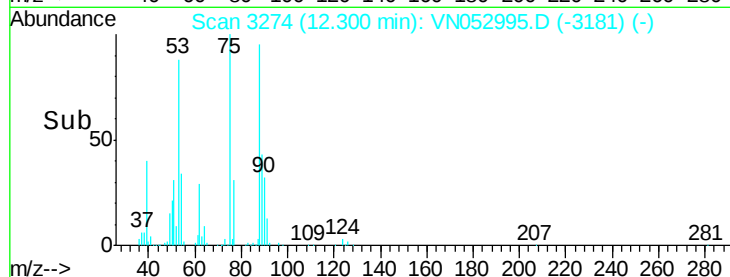
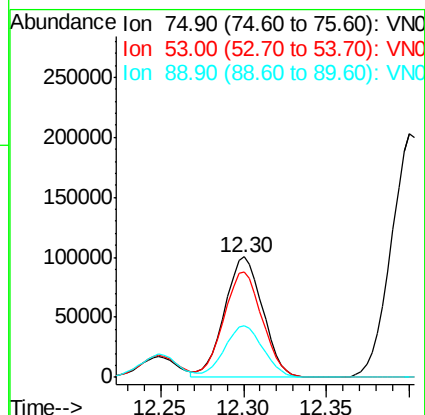
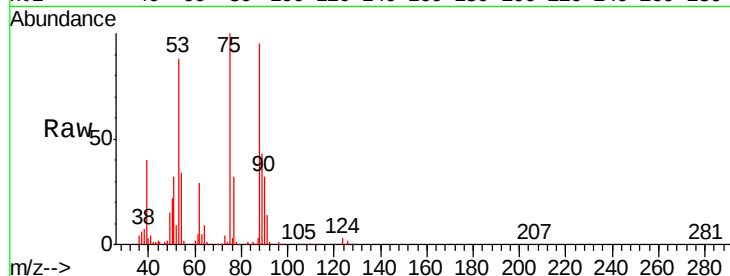
75 100

53 86.9 74.7 112.1

89 43.4 36.1 54.1

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#82

4-Chlorotoluene

Concen: 49.472 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

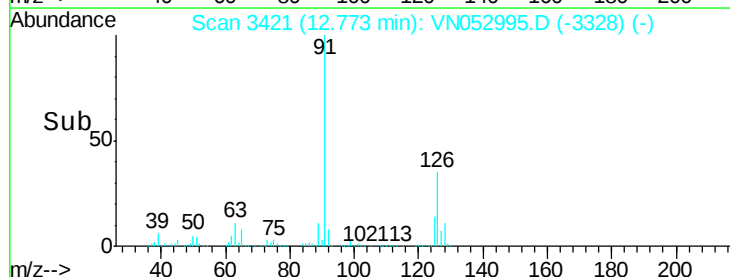
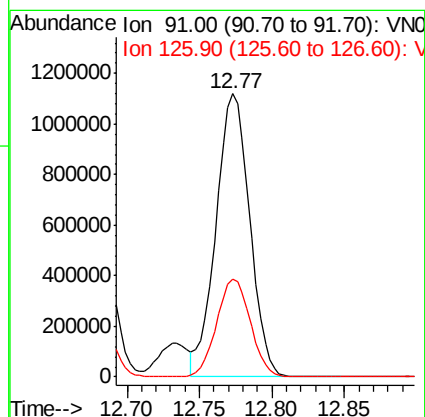
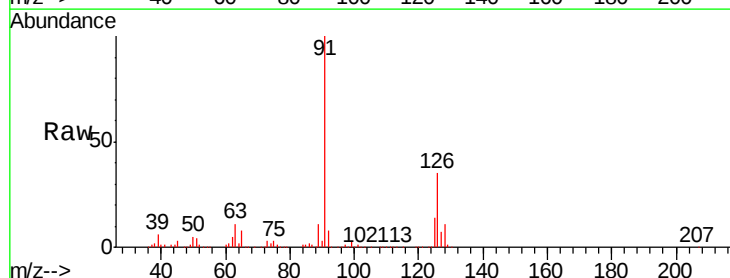
Lab File: VN052995.D

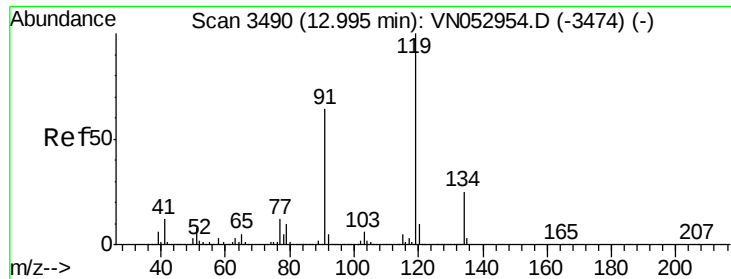
Acq: 19 Dec 2018 7:19

Tgt Ion: 91 Resp: 1811413
Ion Ratio Lower Upper

91 100

126 34.7 17.3 51.7





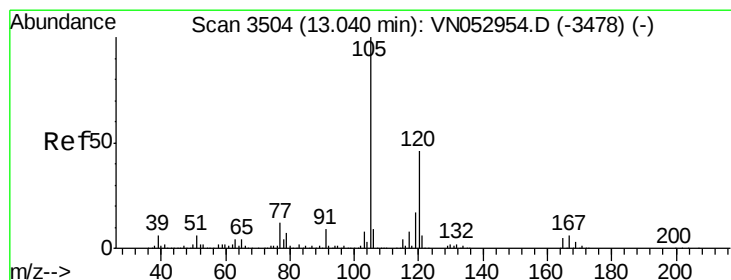
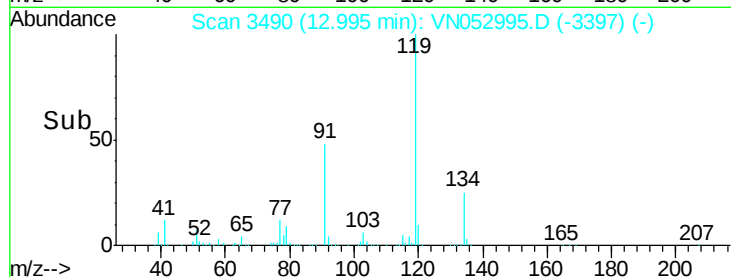
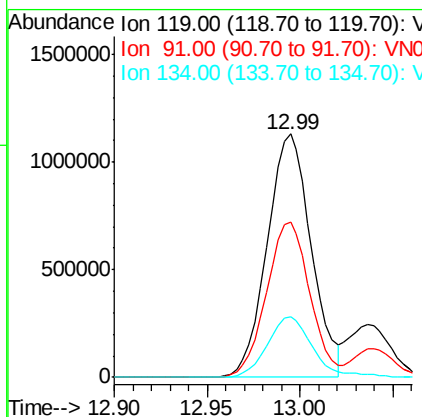
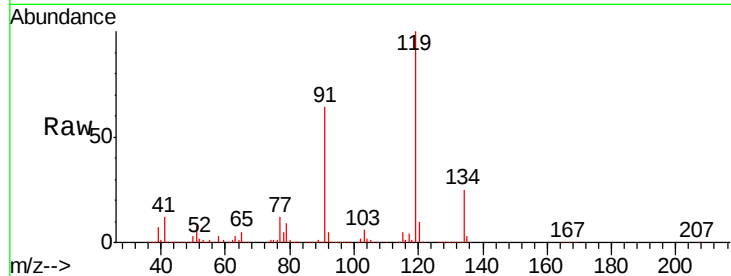
#83
 tert-Butylbenzene
 Concen: 49.063 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 1873943
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.9 95.5
 134 25.6 12.8 38.4

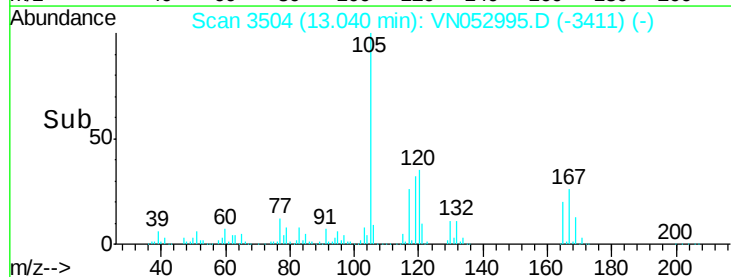
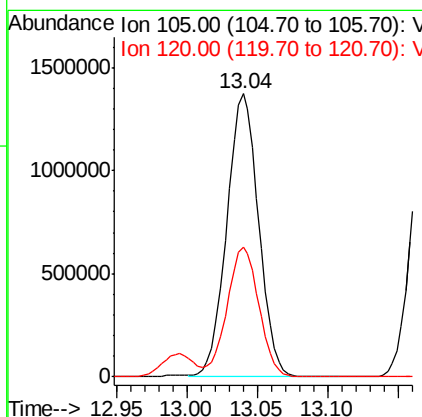
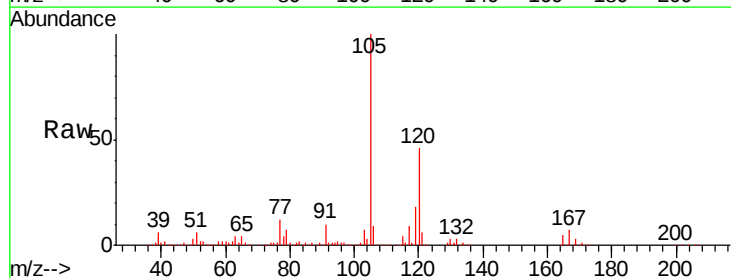
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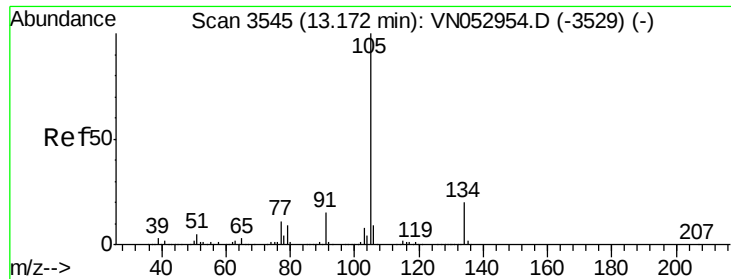
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.777 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion:105 Resp: 2161050
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8





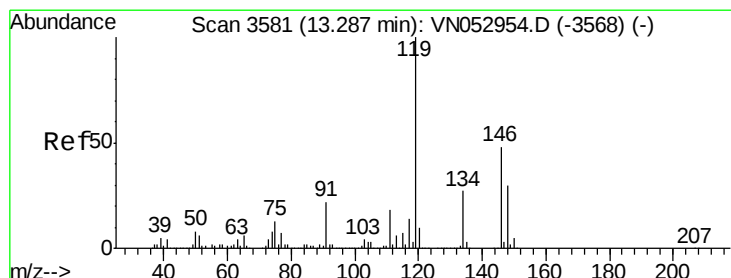
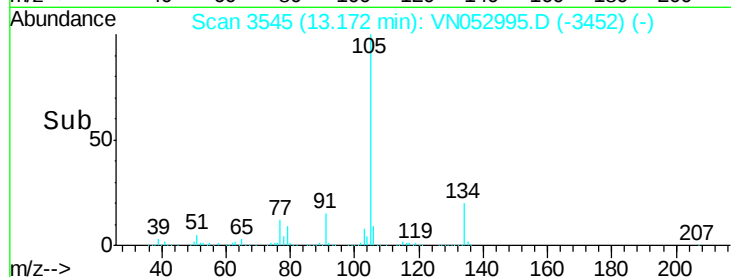
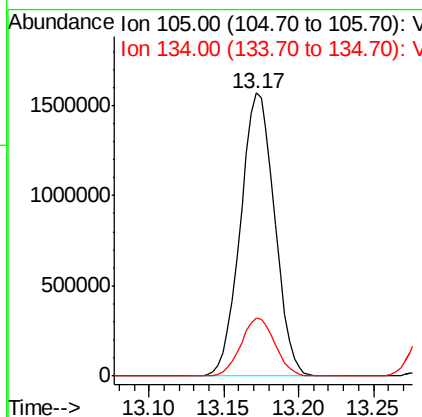
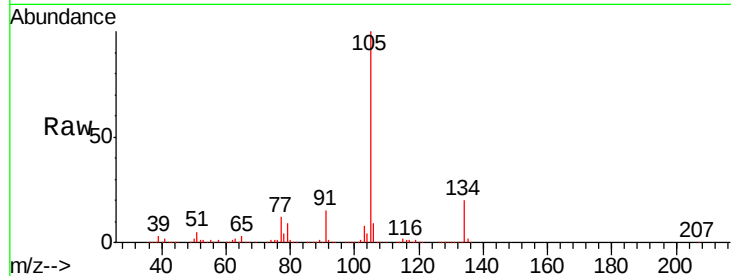
#85
 sec-Butylbenzene
 Concen: 48.213 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 2490760
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3

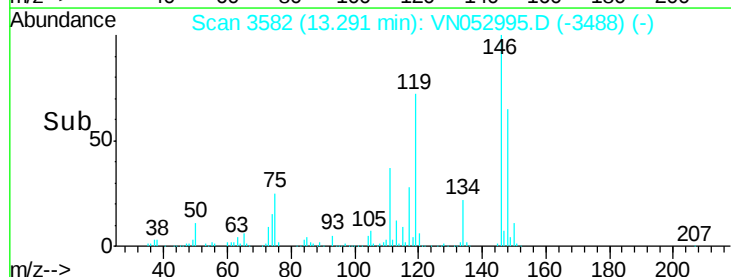
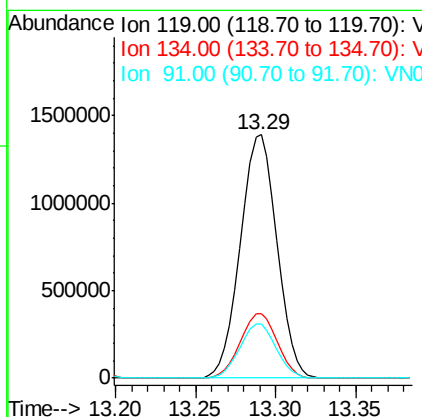
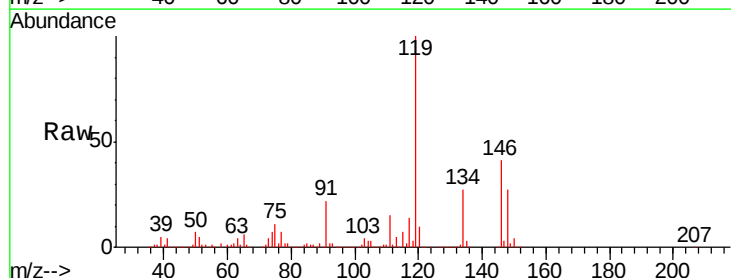
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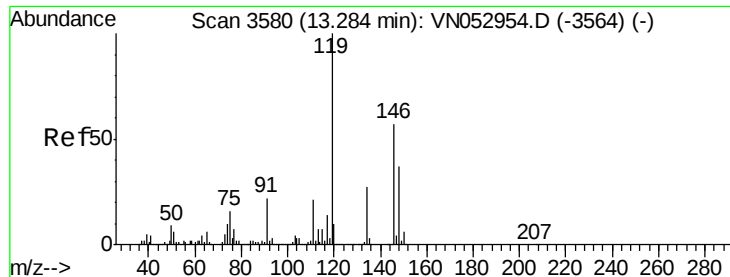
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#86
 p-Isopropyltoluene
 Concen: 48.366 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion:119 Resp: 2159052
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 22.1 11.1 33.3





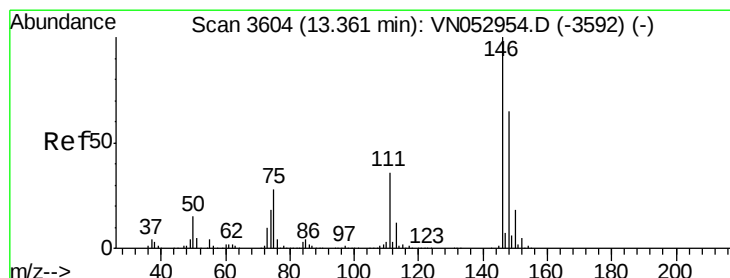
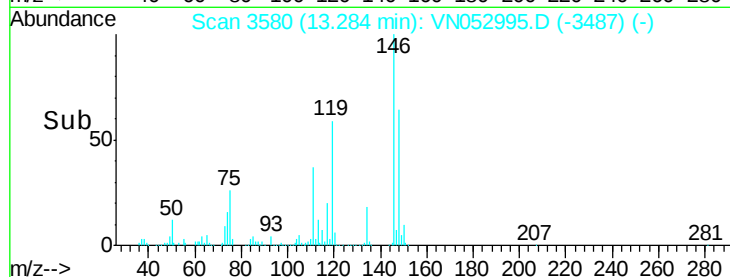
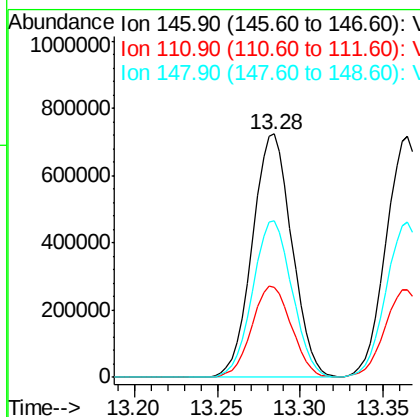
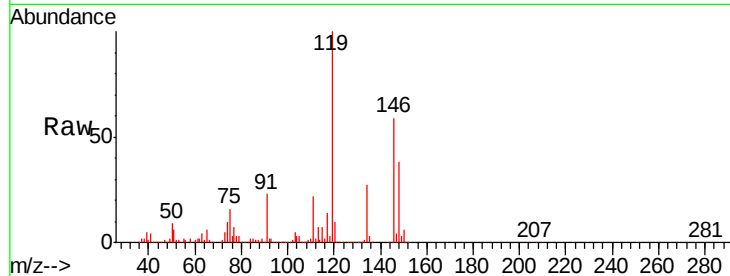
#87
 1,3-Dichlorobenzene
 Concen: 49.206 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 1199443
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.1
 148 64.2 32.0 96.0

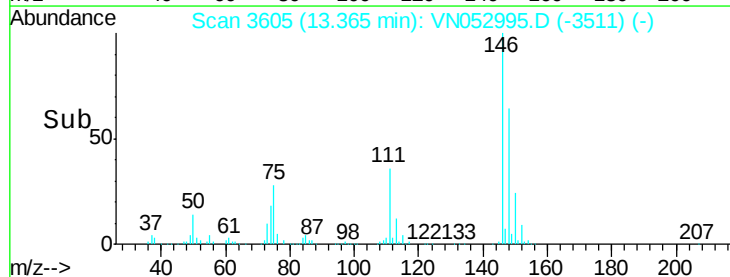
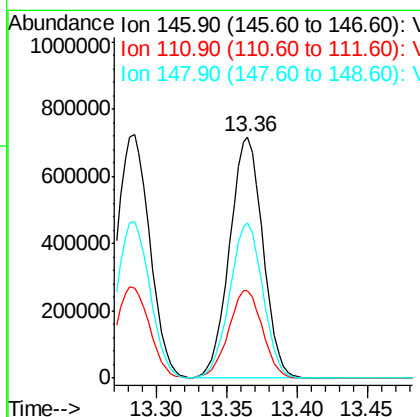
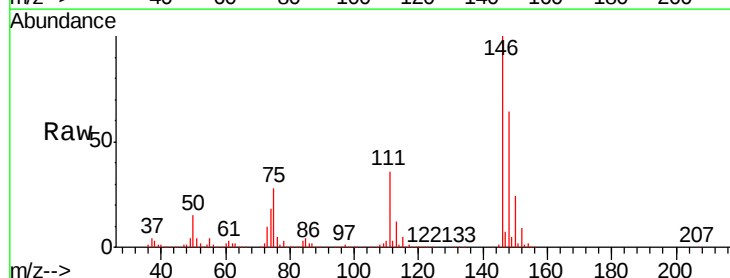
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#88
 1,4-Dichlorobenzene
 Concen: 47.800 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion:146 Resp: 1179961
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 64.6 32.1 96.5





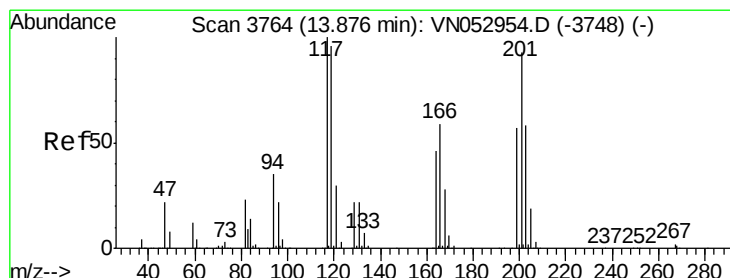
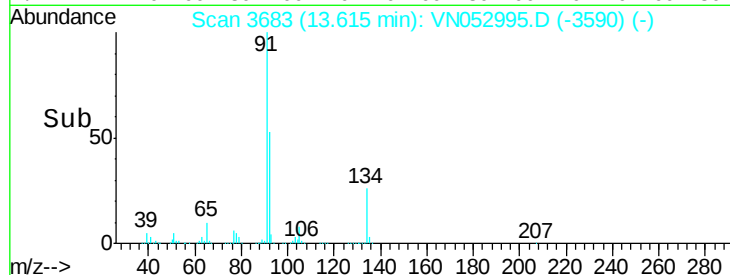
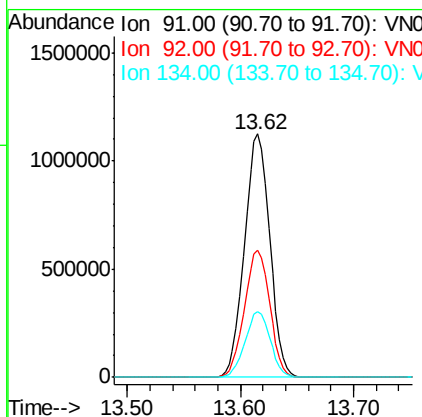
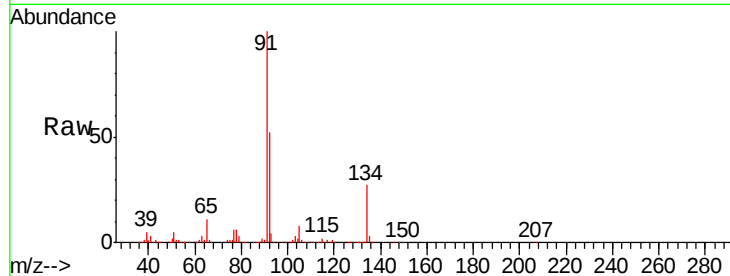
#89
n-Butylbenzene
Concen: 45.661 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1753569
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.9
134 26.9 13.3 39.8

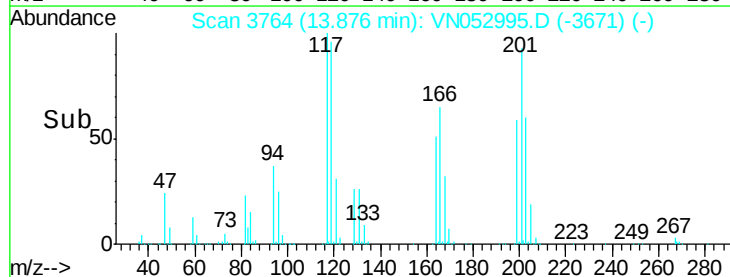
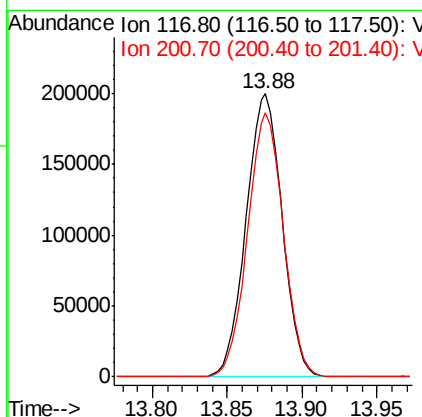
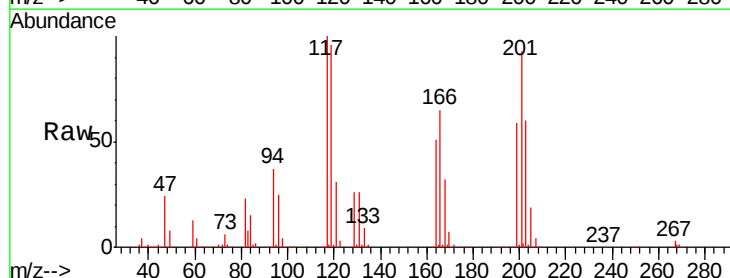
Manual Integrations
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#90
Hexachloroethane
Concen: 48.858 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion: 117 Resp: 334696
Ion Ratio Lower Upper
117 100
201 92.5 45.7 137.1





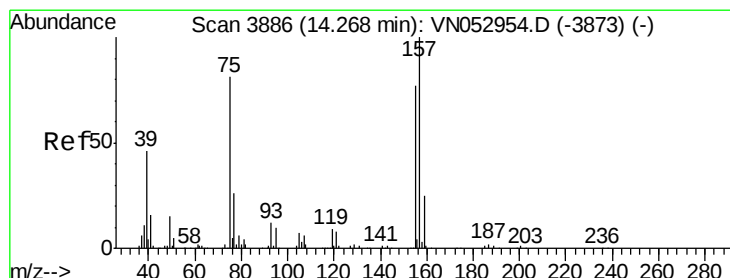
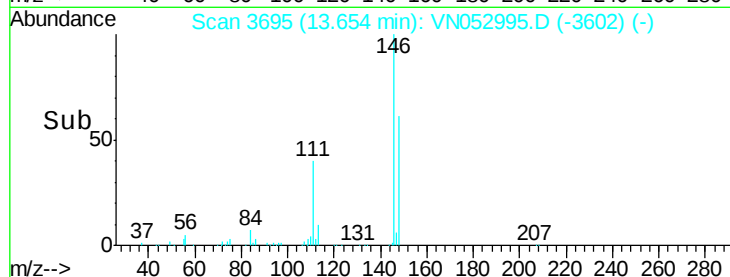
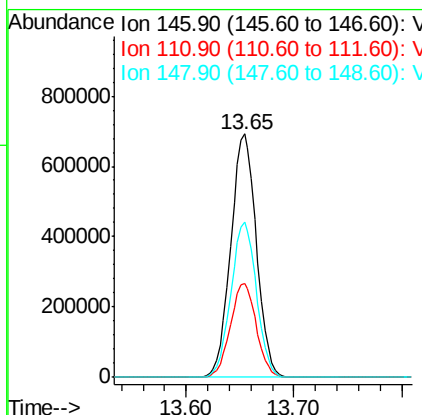
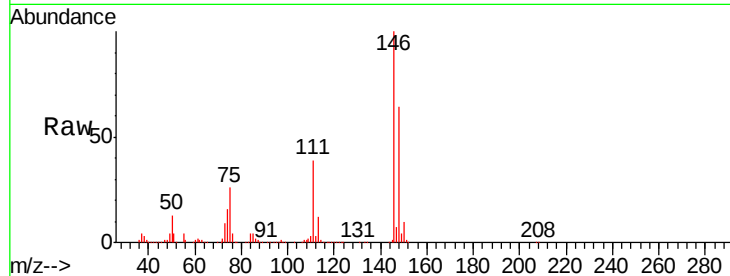
#91
 1,2-Dichlorobenzene
 Concen: 50.018 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 146 Resp: 1147489
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 63.7 32.0 96.0

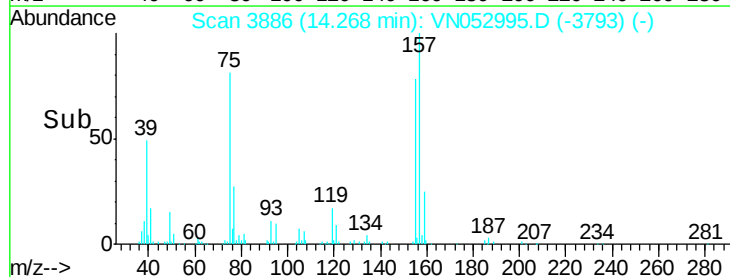
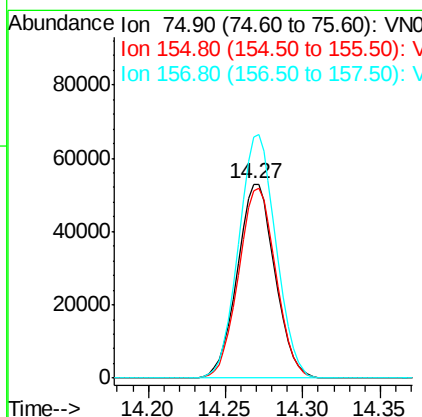
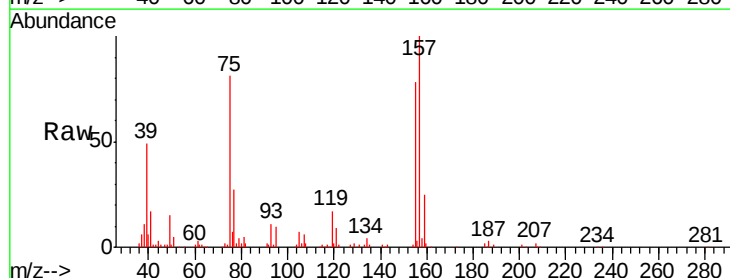
Manual Integrations
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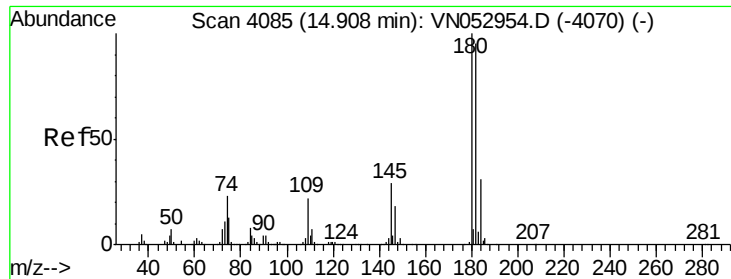
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.933 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion: 75 Resp: 89744
 Ion Ratio Lower Upper
 75 100
 155 96.8 48.2 144.6
 157 124.3 61.2 183.5





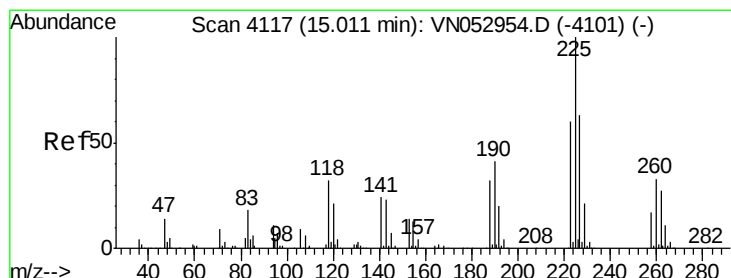
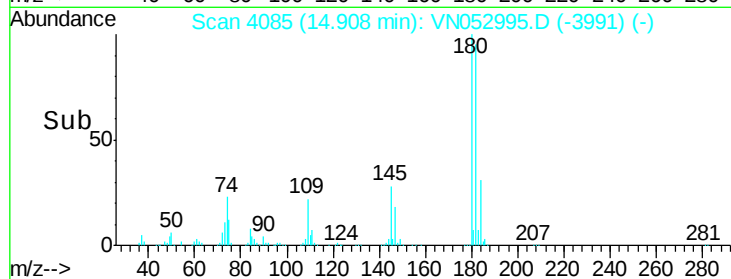
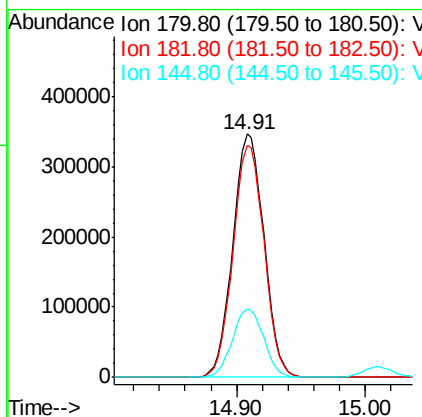
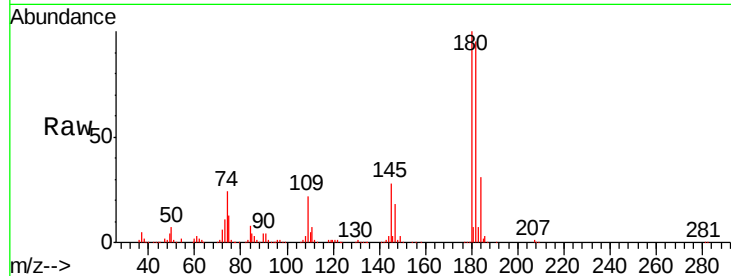
#93
 1,2,4-Trichlorobenzene
 Concen: 47.750 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.2	47.8	143.3
145	28.3	14.2	42.6

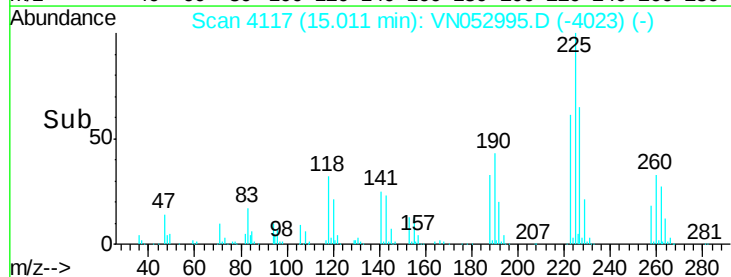
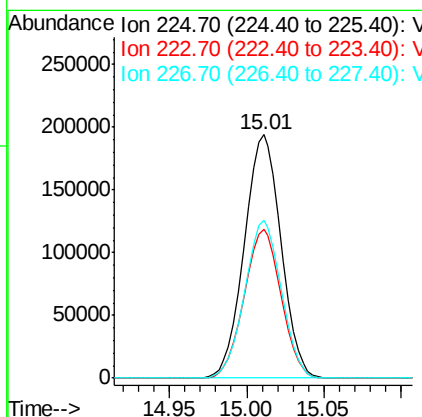
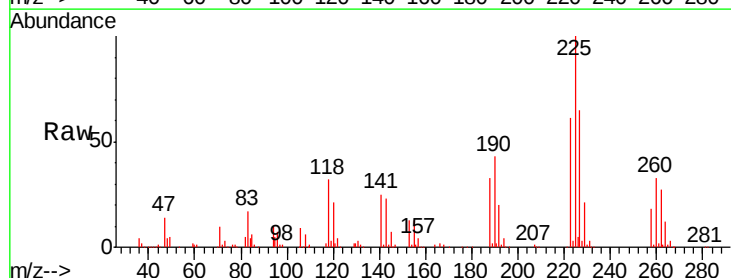
Manual Integrations
 APPROVED

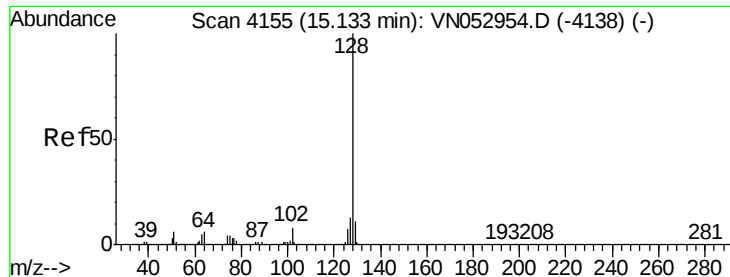
MMDadoda
 12/19/2018 12:08:19 PM



#94
 Hexachlorobutadiene
 Concen: 51.091 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052995.D
 Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	61.4	31.5	94.5
227	64.3	31.9	95.7





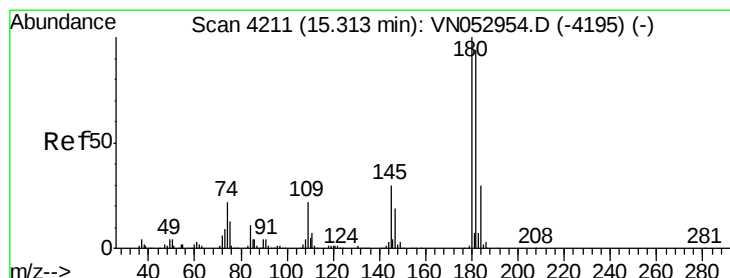
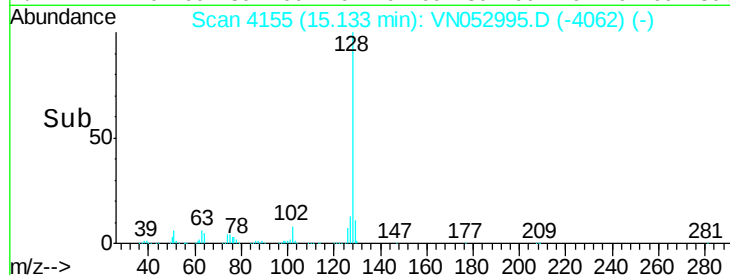
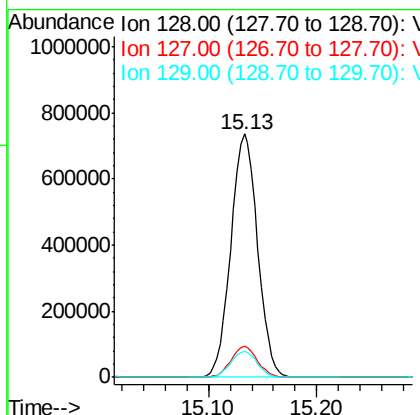
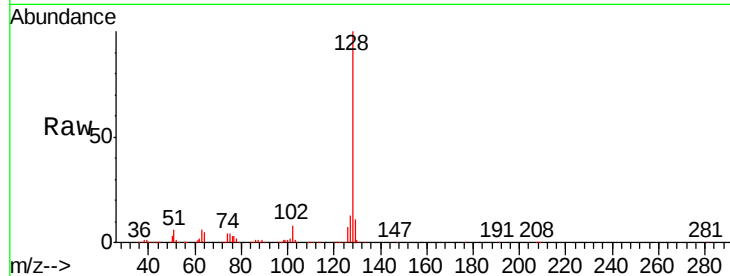
#95
Naphthalene
Concen: 47.475 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/19/2018 12:08:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.419 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052995.D
Acq: 19 Dec 2018 7:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	30.3	15.0	45.0

