

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042419\
 Data File : VN055232.D
 Acq On : 24 Apr 2019 17:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:41:49 PM

Quant Time: Apr 25 07:05:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	419074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	675375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	589414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	245901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	295086	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.59	113	235061	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.09	98	858139	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.40	95	288180	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	284224	52.675	ug/l	99
3) Chloromethane	2.06	50	323518	48.931	ug/l	100
4) Vinyl Chloride	2.19	62	255155	48.161	ug/l	99
5) Bromomethane	2.55	94	130862	42.592	ug/l	96
6) Chloroethane	2.69	64	132934	47.607	ug/l	99
7) Trichlorofluoromethane	3.01	101	365302	50.668	ug/l	96
8) Diethyl Ether	3.41	74	137668	53.498	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	217364	48.315	ug/l	99
10) Methyl Iodide	3.95	142	333645	52.884	ug/l	99
11) Tert butyl alcohol	4.79	59	112988	341.193	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	216997	50.329	ug/l	94
13) Acrolein	3.61	56	132369	266.016	ug/l	99
14) Allyl chloride	4.32	41	435274	51.068	ug/l	100
15) Acrylonitrile	4.99	53	528320	290.902	ug/l	99
16) Acetone	3.82	43	441560	235.480	ug/l	99
17) Carbon Disulfide	4.05	76	583047	48.371	ug/l	100
18) Methyl Acetate	4.33	43	250132	62.356	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	659855	55.354	ug/l	99
20) Methylene Chloride	4.55	84	252403	46.821	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	228085	50.448	ug/l	98
22) Diisopropyl ether	5.95	45	894154	52.628	ug/l	99
23) Vinyl Acetate	5.90	43	3395173	297.375	ug/l	99
24) 1,1-Dichloroethane	5.85	63	457545	50.067	ug/l	99
25) 2-Butanone	6.84	43	682642	281.981	ug/l	100
26) 2,2-Dichloropropane	6.82	77	312192	50.482	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	261204	50.118	ug/l	99
28) Bromochloromethane	7.20	49	230056	49.385	ug/l	100
29) Tetrahydrofuran	7.21	42	445732	299.458	ug/l	99
30) Chloroform	7.37	83	433129	49.826	ug/l	99
31) Cyclohexane	7.65	56	423697	49.510	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	359953	51.542	ug/l	99
36) 1,1-Dichloropropene	7.79	75	329373	52.544	ug/l	100
37) Ethyl Acetate	6.93	43	292351	57.789	ug/l	99
38) Carbon Tetrachloride	7.77	117	299094	50.952	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	356637	47.690	ug/l	99
40) Benzene	8.04	78	985931	50.951	ug/l	99
41) Methacrylonitrile	7.17	41	169565	63.933	ug/l	99
42) 1,2-Dichloroethane	8.13	62	340028	50.369	ug/l	100
43) Isopropyl Acetate	8.17	43	551721	67.348	ug/l	95
44) Trichloroethene	8.84	130	247676	50.641	ug/l	98
45) 1,2-Dichloropropane	9.12	63	280160	51.291	ug/l	99
46) Dibromomethane	9.21	93	156739	50.127	ug/l	99
47) Bromodichloromethane	9.40	83	333608	53.295	ug/l	97
48) Methyl methacrylate	9.20	41	233534	58.769	ug/l	99
49) 1,4-Dioxane	9.20	88	52594	1146.085	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1409364	298.977	ug/l	100
52) Toluene	10.16	92	580211	51.147	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	333071	57.980	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	393904	55.256	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	222216	53.134	ug/l	99
56) Ethyl methacrylate	10.43	69	317823	61.003	ug/l	99
57) 1,3-Dichloropropane	10.71	76	387943	53.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	449047	224.872	ug/l	100
59) 2-Hexanone	10.75	43	913958	306.949	ug/l	100
60) Dibromochloromethane	10.90	129	232937	54.074	ug/l	100
61) 1,2-Dibromoethane	11.00	107	220640	56.113	ug/l	99
64) Tetrachloroethene	10.63	164	229065	47.639	ug/l	99
65) Chlorobenzene	11.43	112	584958	48.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	226451	50.786	ug/l	98
67) Ethyl Benzene	11.51	91	1084066	50.586	ug/l	99
68) m/p-Xylenes	11.62	106	793118	103.188	ug/l	99
69) o-Xylene	11.95	106	387867	50.849	ug/l	99
70) Styrene	11.96	104	647908	54.798	ug/l	99
71) Bromoform	12.13	173	150540	56.577	ug/l #	98
73) Isopropylbenzene	12.25	105	1017900	51.589	ug/l	99
74) N-amyl acetate	12.07	43	397572	62.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	287038	57.784	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	236258m	47.359	ug/l	
77) Bromobenzene	12.53	156	254012	46.791	ug/l	99
78) n-propylbenzene	12.59	91	1151108	46.678	ug/l	99
79) 2-Chlorotoluene	12.67	91	695930	44.691	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	853448	46.363	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	70016	53.204	ug/l	98
82) 4-Chlorotoluene	12.77	91	689281	48.110	ug/l	100
83) tert-Butylbenzene	12.99	119	719574	52.116	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	830482	47.807	ug/l	99
85) sec-Butylbenzene	13.17	105	923633	44.351	ug/l	100
86) p-Isopropyltoluene	13.29	119	820106	47.799	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	413648	49.637	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	399290	49.214	ug/l	99
89) n-Butylbenzene	13.61	91	659168	51.832	ug/l	99
90) Hexachloroethane	13.87	117	133961	44.024	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	408164	47.686	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41972	56.210	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	173892	48.192	ug/l	99
94) Hexachlorobutadiene	15.01	225	132200	53.206	ug/l	98
95) Naphthalene	15.13	128	424295	53.425	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	179445	49.967	ug/l	98

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

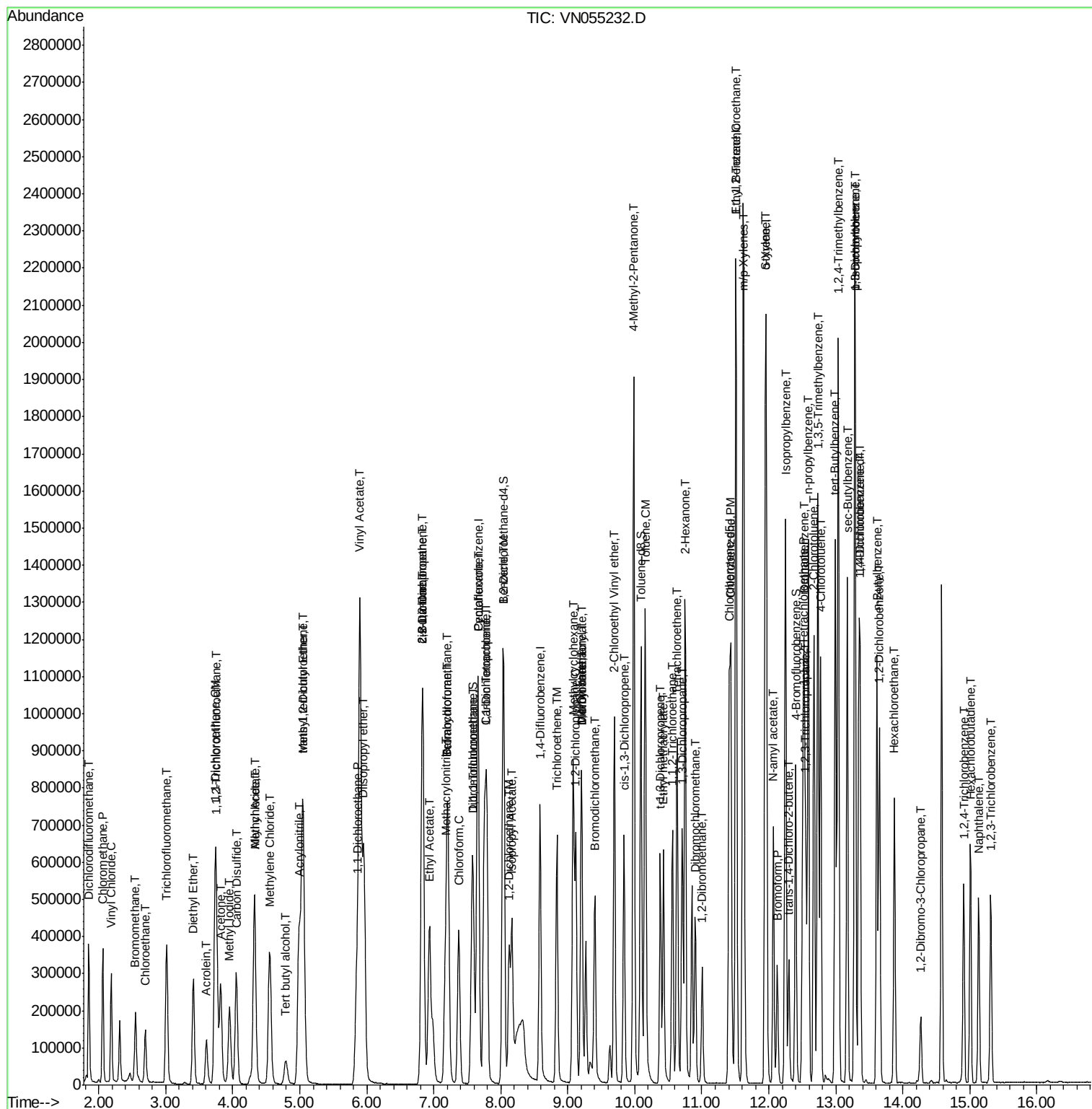
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Data File : VN055232.D
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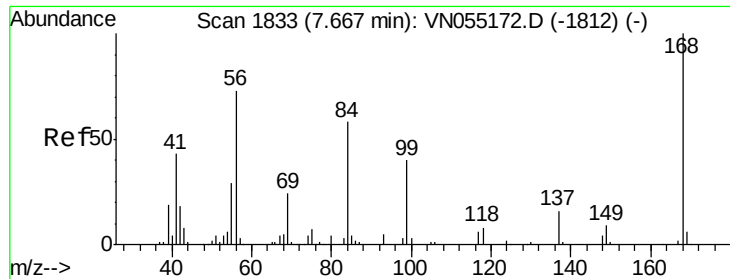
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 419074

Ion Ratio Lower Upper

168 100

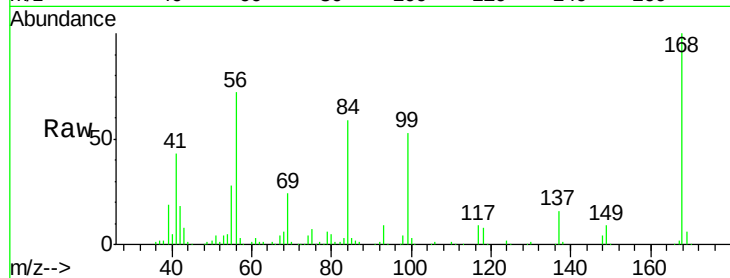
99 52.4 42.0 63.0

Manual Integrations

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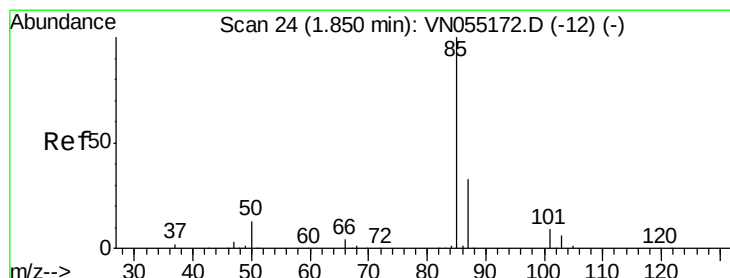
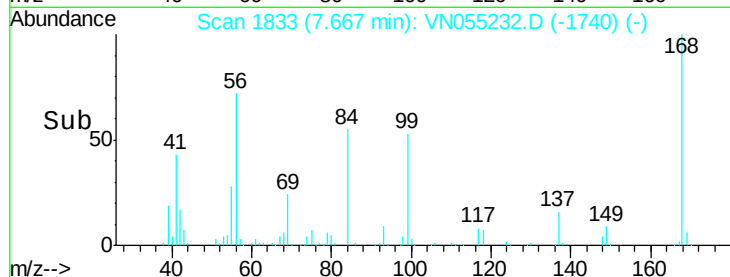
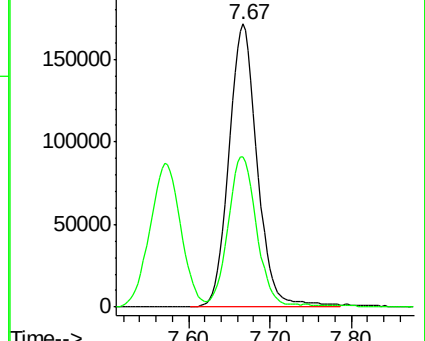
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 52.675 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055232.D

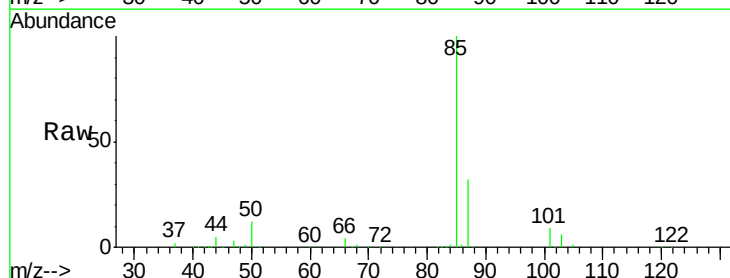
Acq: 24 Apr 2019 17:01

Tgt Ion: 85 Resp: 284224

Ion Ratio Lower Upper

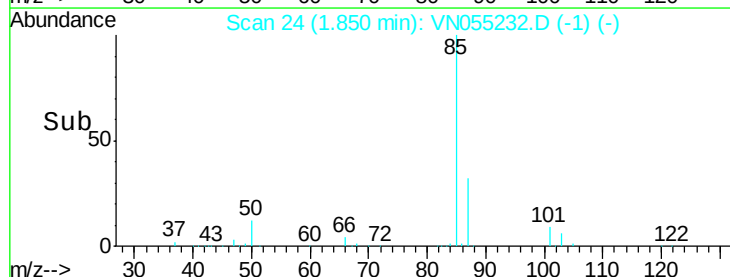
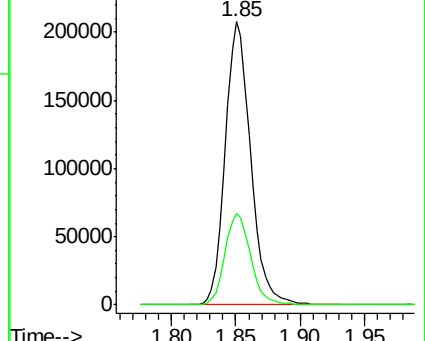
85 100

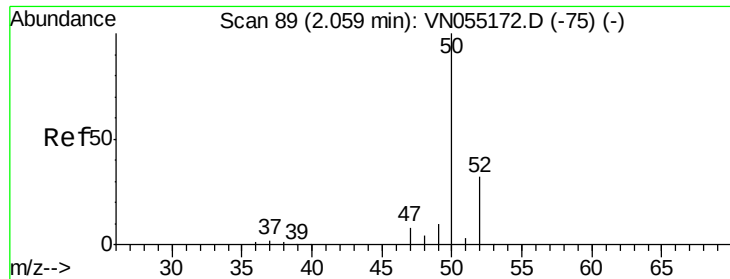
87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.931 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 323518

Ion Ratio Lower Upper

50 100

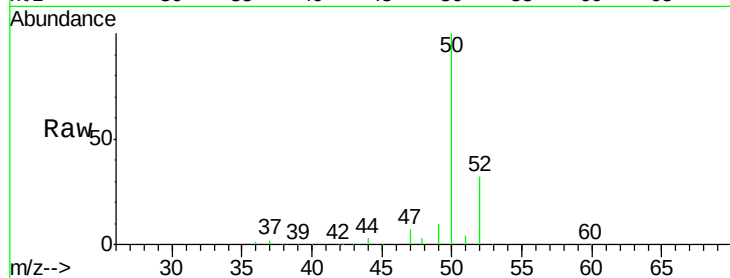
52 32.3 25.8 38.6

Manual Integrations

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4/25/2019 12:41:49 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

200000

150000

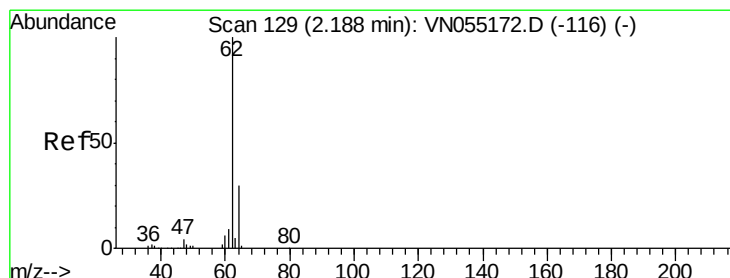
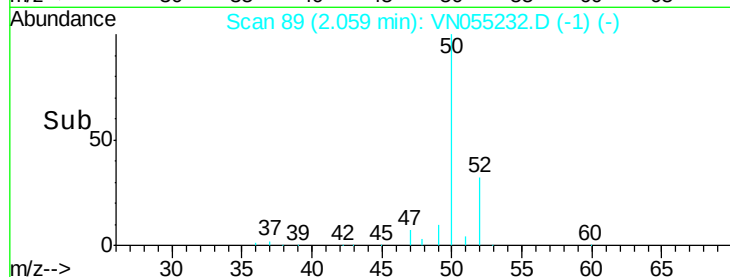
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50000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 48.161 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055232.D

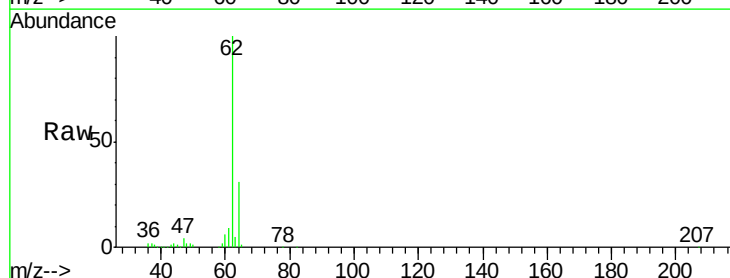
Acq: 24 Apr 2019 17:01

Tgt Ion: 62 Resp: 255155

Ion Ratio Lower Upper

62 100

64 31.1 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

200000

150000

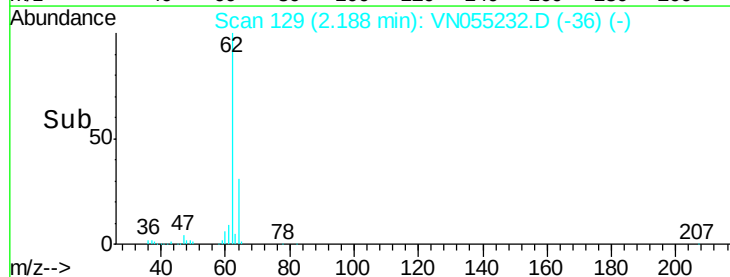
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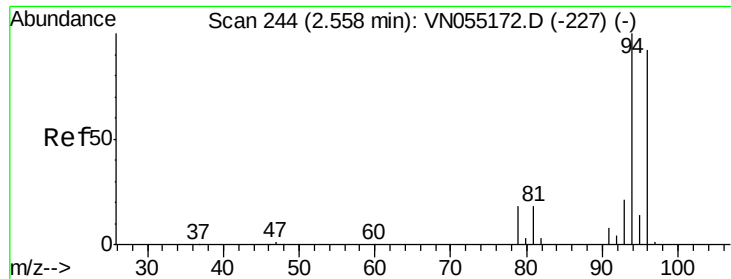
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Time-->

2.10 2.15 2.20 2.25





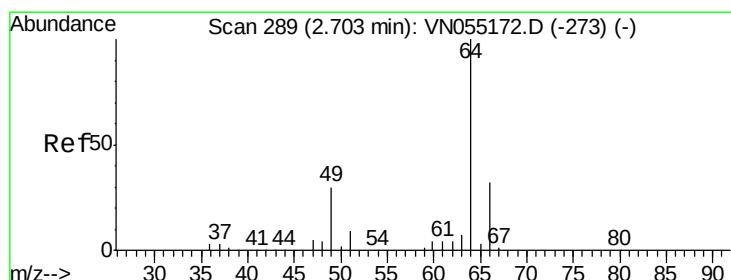
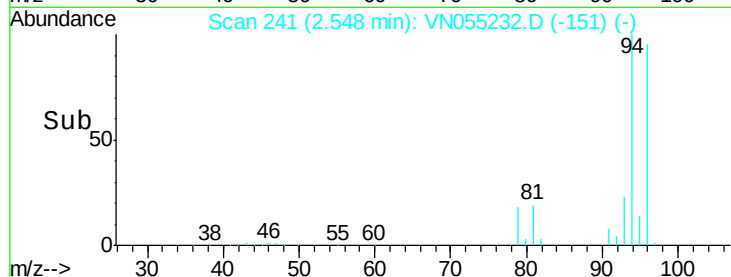
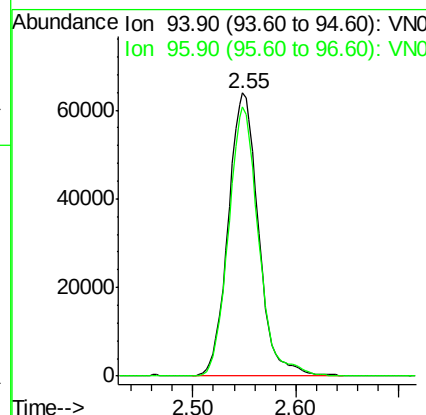
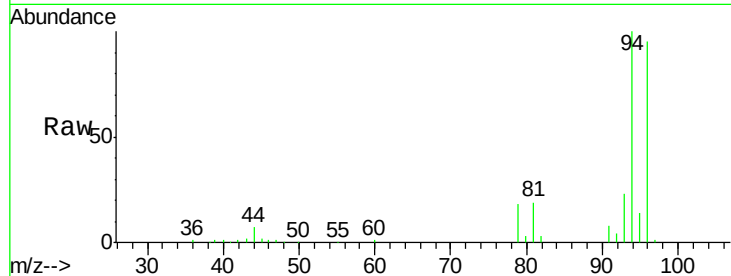
#5
Bromomethane
Concen: 42.592 ug/l
RT: 2.55 min Scan# 241
Delta R.T. -0.01 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 130862
Ion Ratio Lower Upper
94 100
96 95.3 73.4 110.2

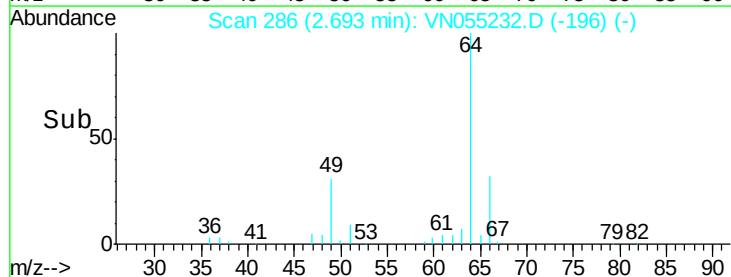
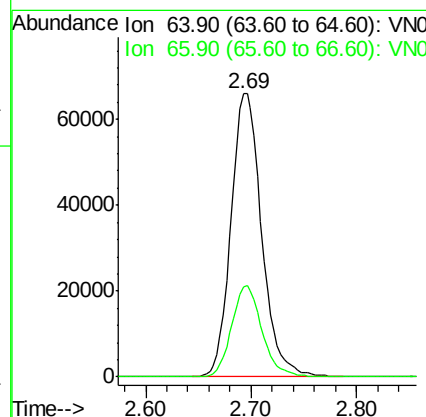
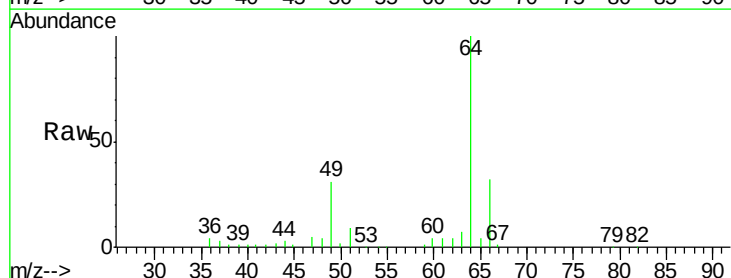
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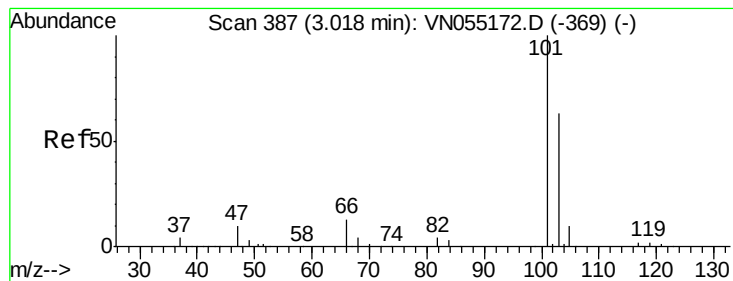
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4/25/2019 12:41:49 PM



#6
Chloroethane
Concen: 47.607 ug/l
RT: 2.69 min Scan# 286
Delta R.T. -0.01 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion: 64 Resp: 132934
Ion Ratio Lower Upper
64 100
66 31.7 25.9 38.9





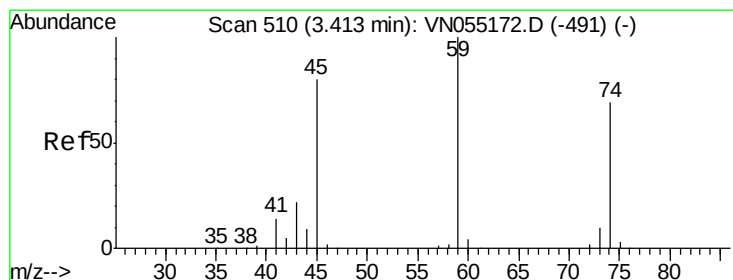
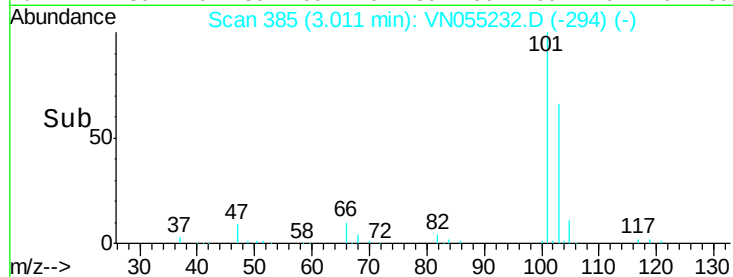
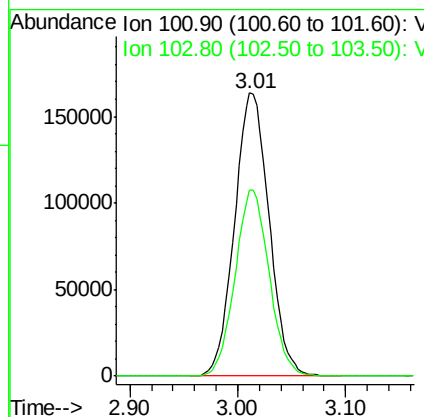
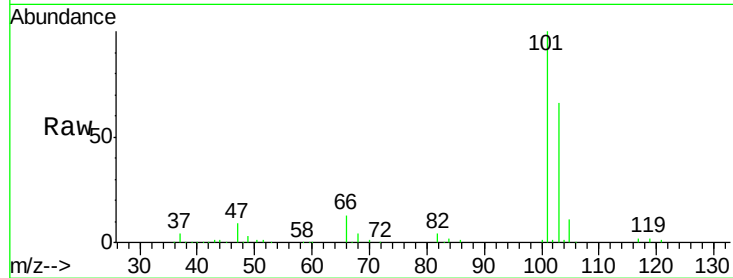
#7
 Trichlorofluoromethane
 Concen: 50.668 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 365302
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.1 75.1

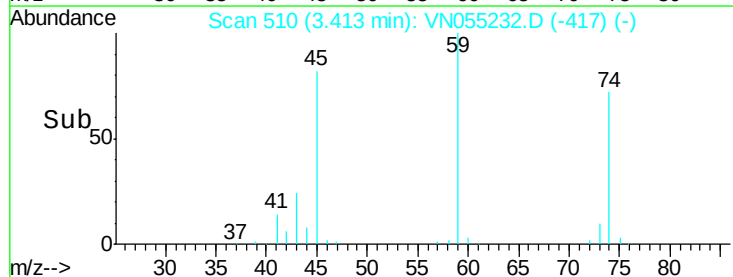
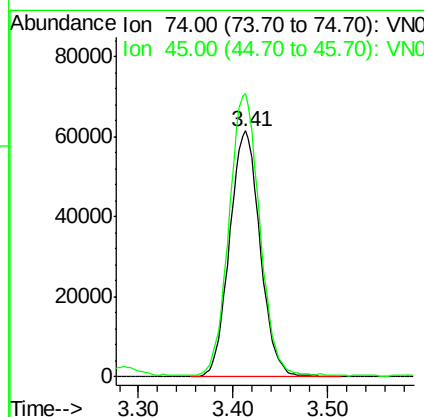
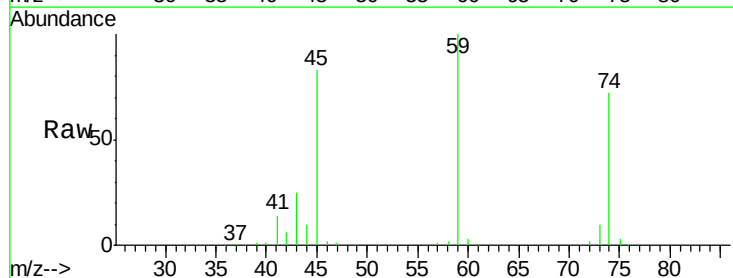
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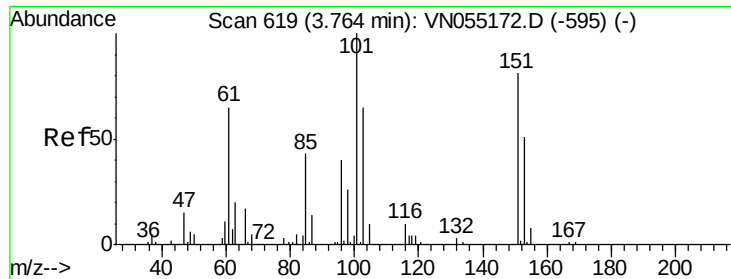
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 4/25/2019 12:41:49 PM



#8
 Diethyl Ether
 Concen: 53.498 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Tgt Ion: 74 Resp: 137668
 Ion Ratio Lower Upper
 74 100
 45 114.2 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.315 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

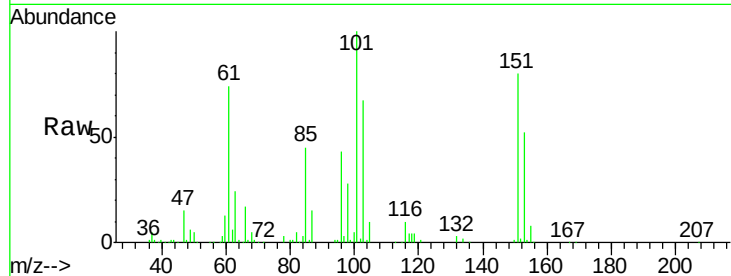
ClientSampleId :

VSTDCCC050EC

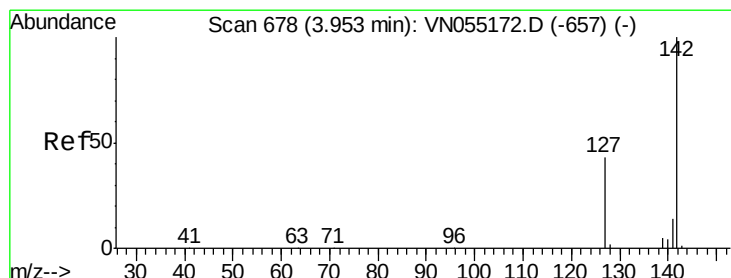
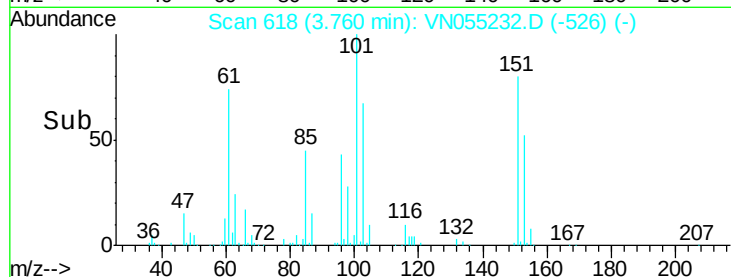
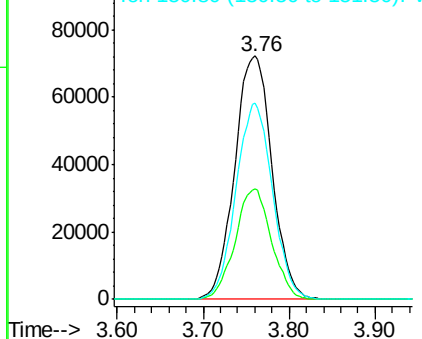
Tot Ion:	101	Resp:	217364
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.9	52.3
151	79.0	63.8	95.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.884 ug/l

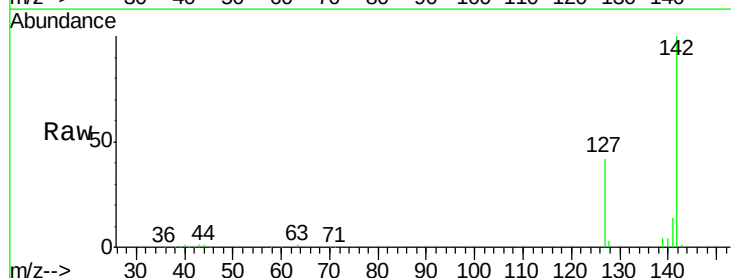
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

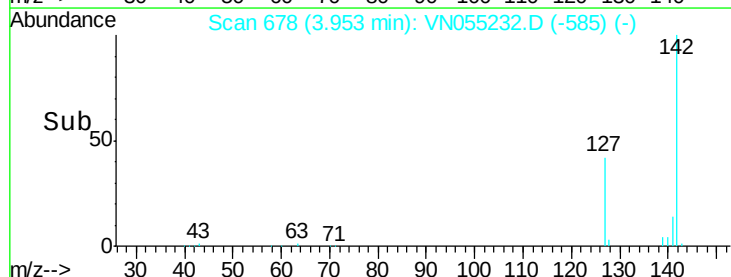
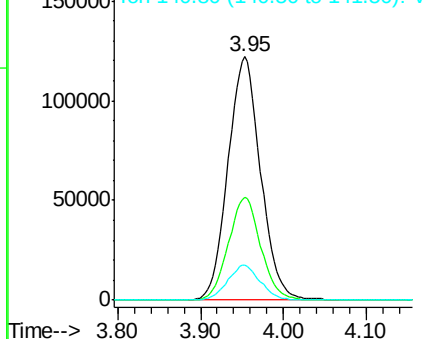
Lab File: VN055232.D

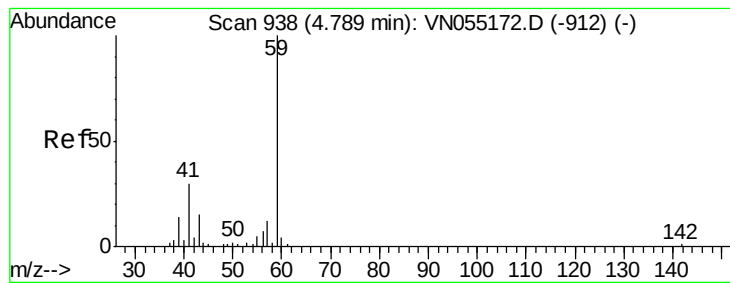
Acq: 24 Apr 2019 17:01

Tgt Ion:	142	Resp:	333645
Ion Ratio	Lower	Upper	
142	100		
127	42.1	34.1	51.1
141	14.2	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

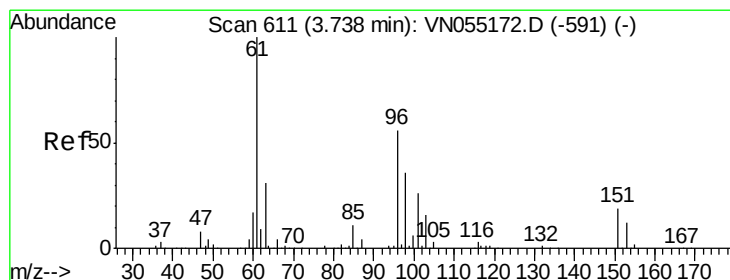
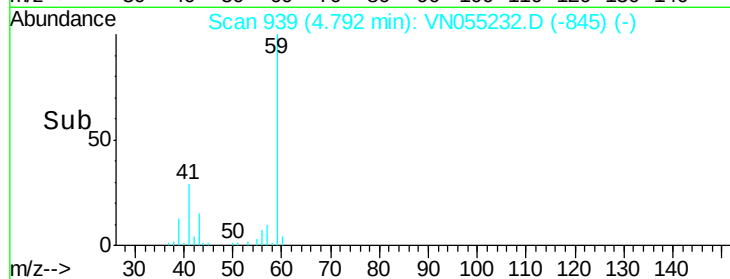
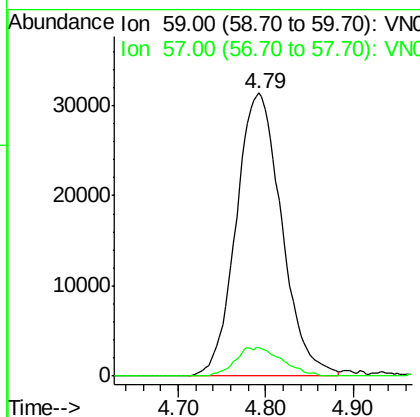
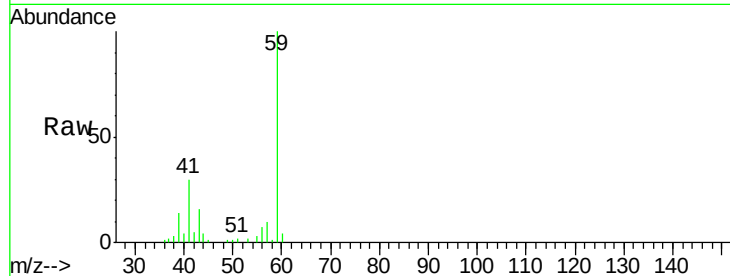
Tert butyl alcohol
 Concen: 341.193 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	112988
Ion Ratio	59	100	
Lower	57	4.3	8.8
Upper			13.2#

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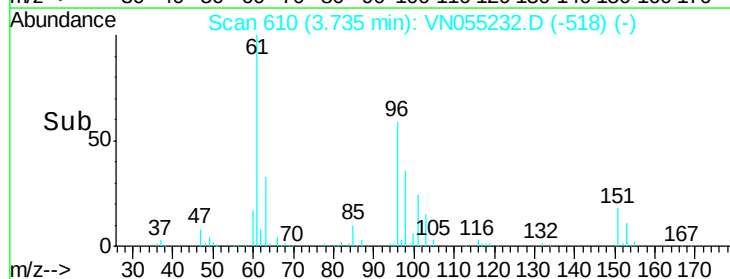
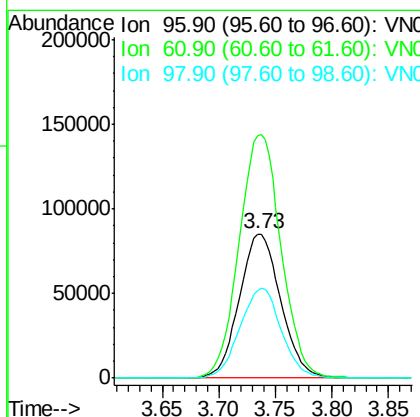
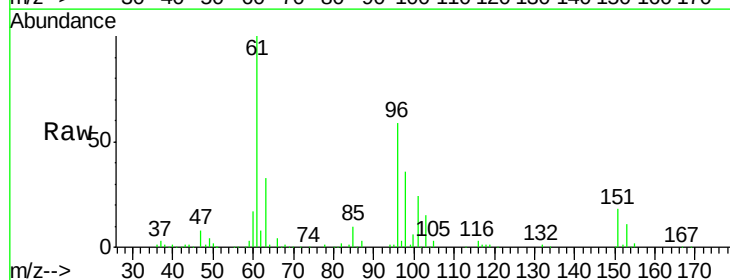
MMDadoda
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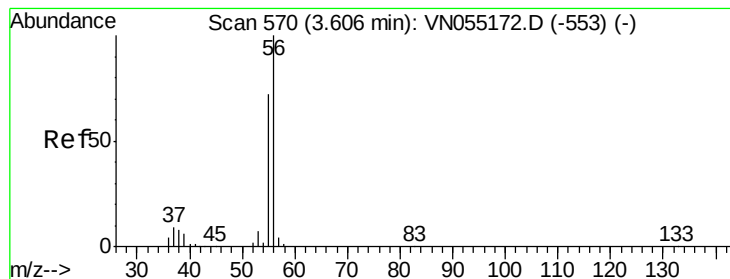


#12

1,1-Dichloroethene
 Concen: 50.329 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Tgt Ion	96	Resp	216997
Ion Ratio	96	100	
Lower	61	168.7	142.1
Upper	98	60.8	51.2
			76.8





#13

Acrolein

Concen: 266.016 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 132369

Ion Ratio Lower Upper

56 100

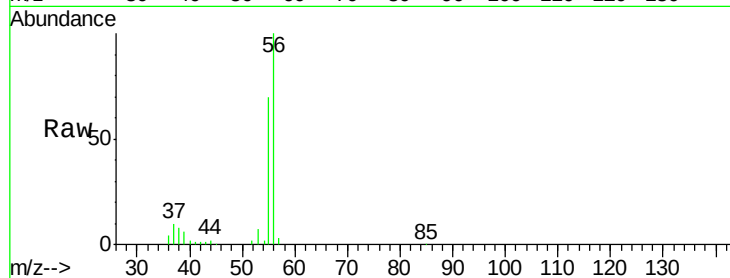
55 72.1 57.4 86.0

Manual Integrations

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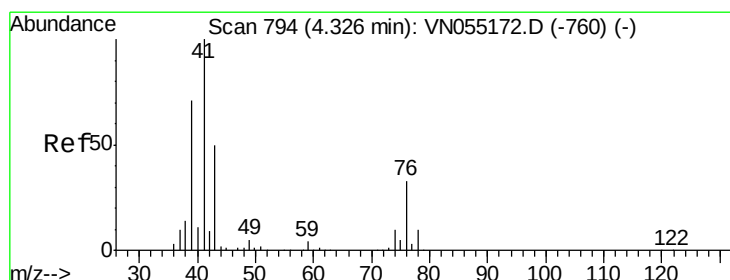
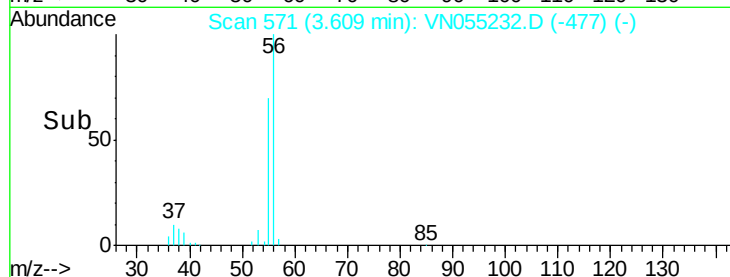
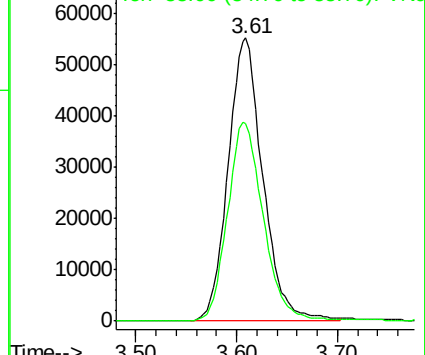
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.068 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

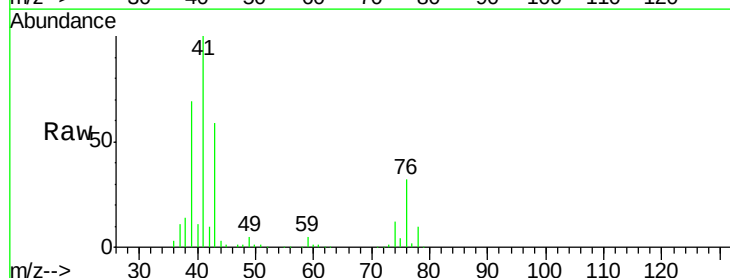
Tgt Ion: 41 Resp: 435274

Ion Ratio Lower Upper

41 100

39 65.6 52.9 79.3

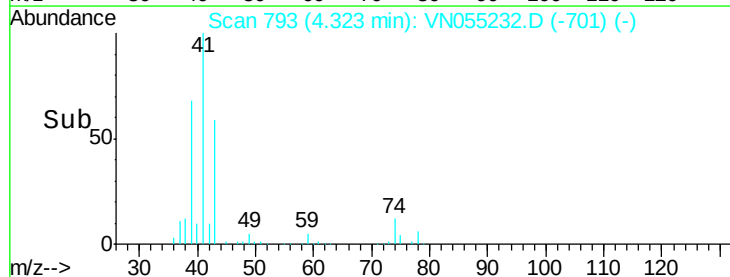
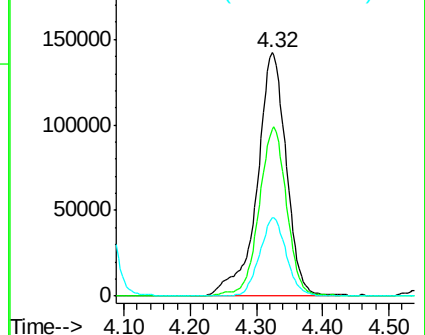
76 29.5 23.6 35.4

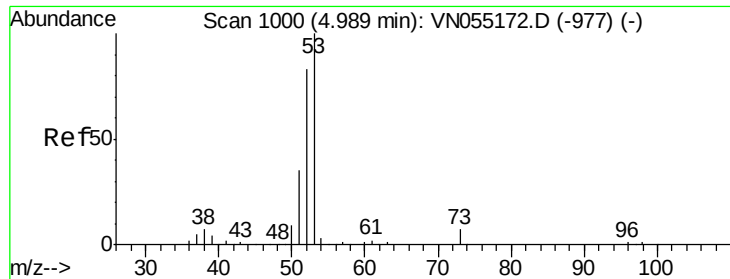


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 290.902 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

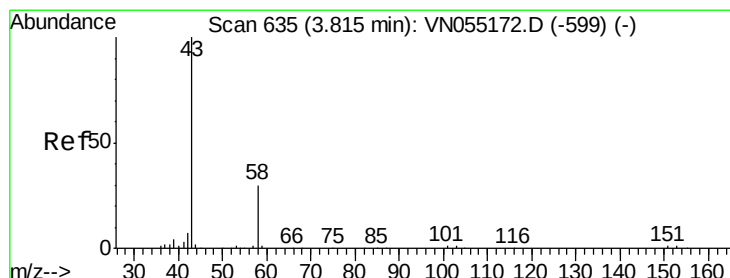
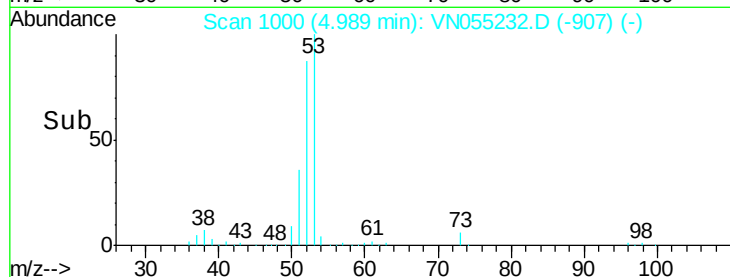
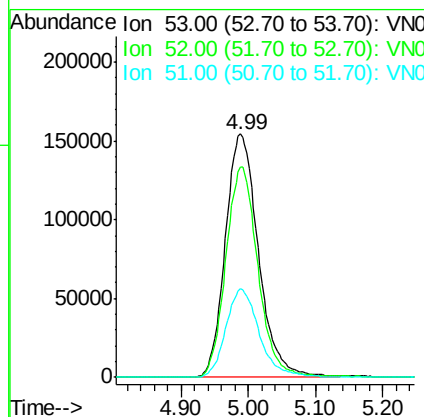
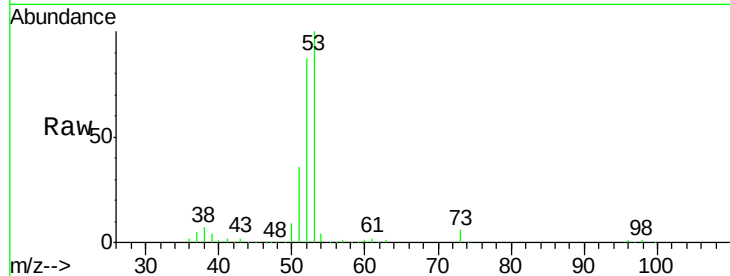
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	528320
Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.8	98.8
51	36.7	28.9	43.3

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#16

Acetone

Concen: 235.480 ug/l

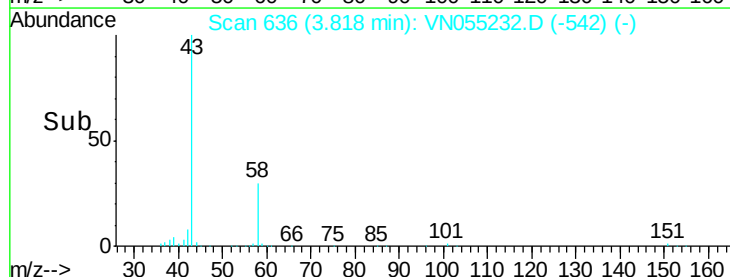
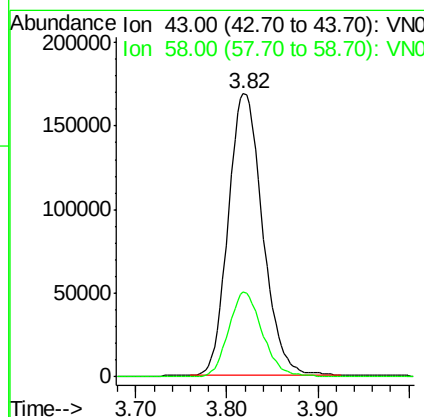
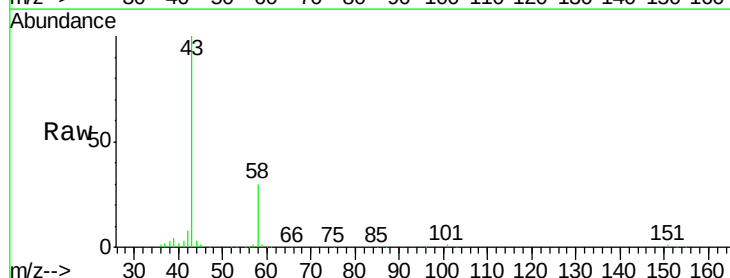
RT: 3.82 min Scan# 636

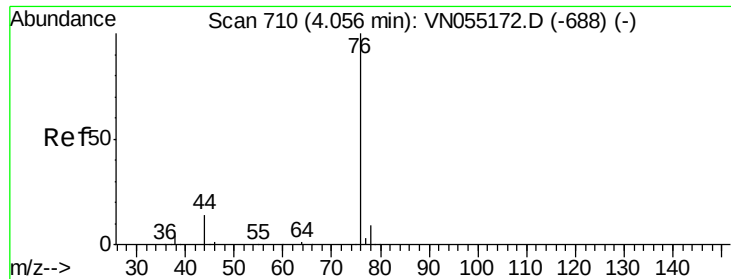
Delta R.T. 0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Tgt Ion:	43	Resp:	441560
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.8	35.8





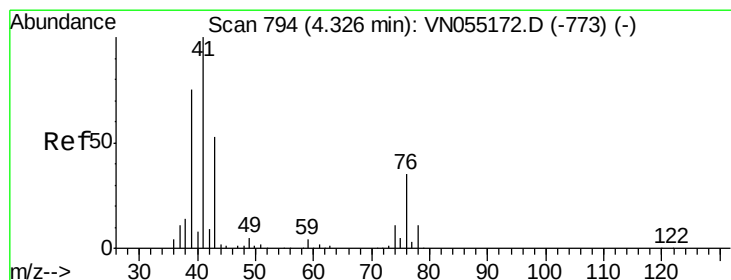
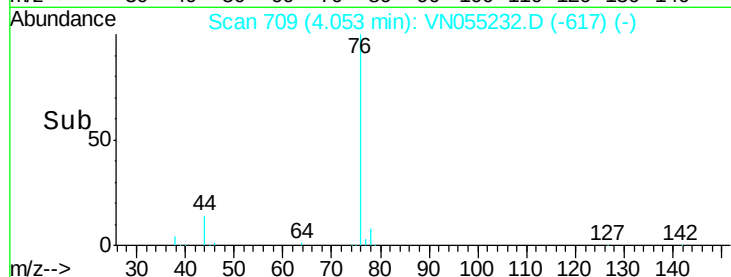
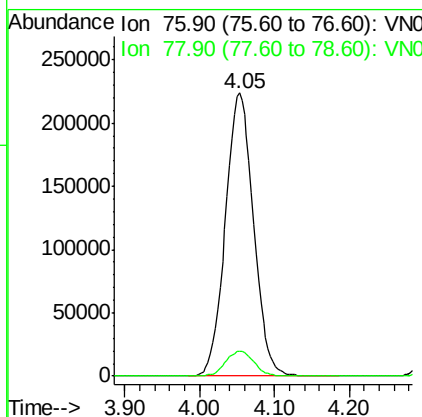
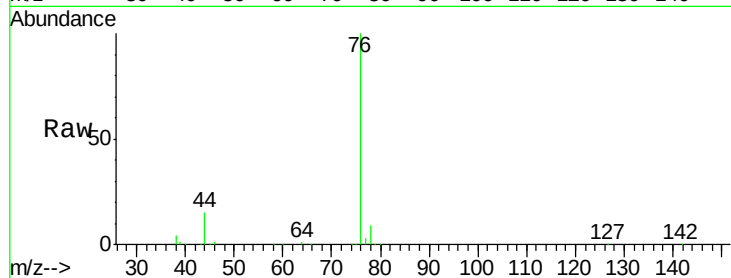
#17
Carbon Disulfide
Concen: 48.371 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

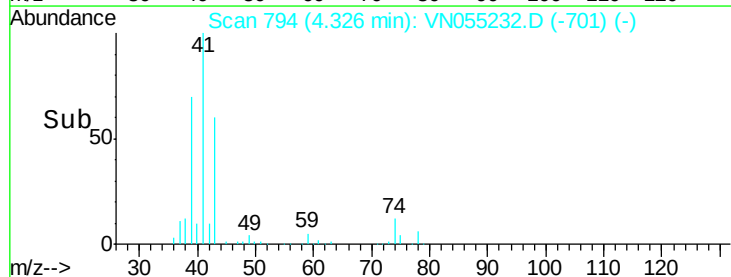
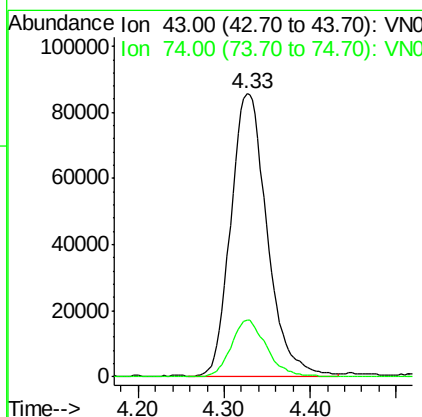
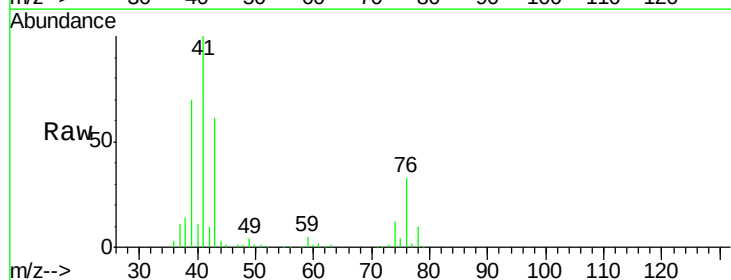
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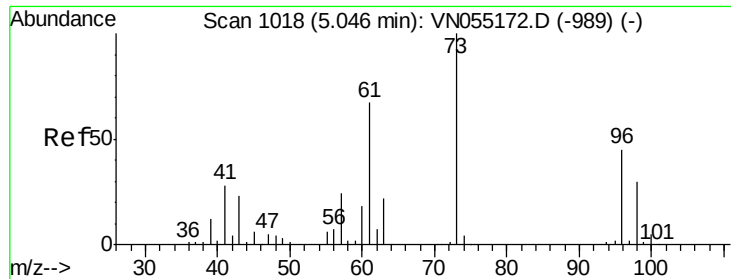
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4/25/2019 12:41:49 PM



#18
Methyl Acetate
Concen: 62.356 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	16.7	25.1





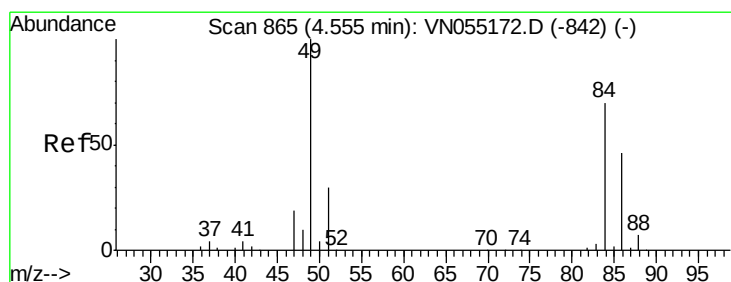
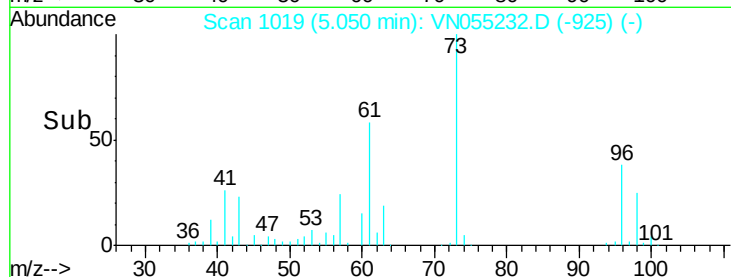
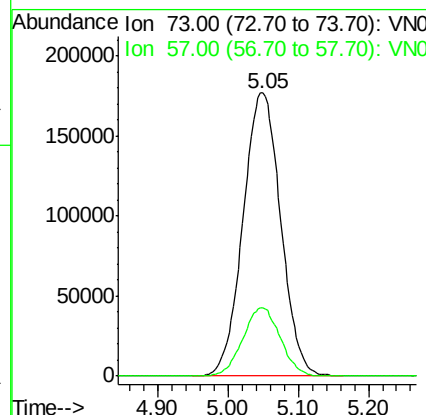
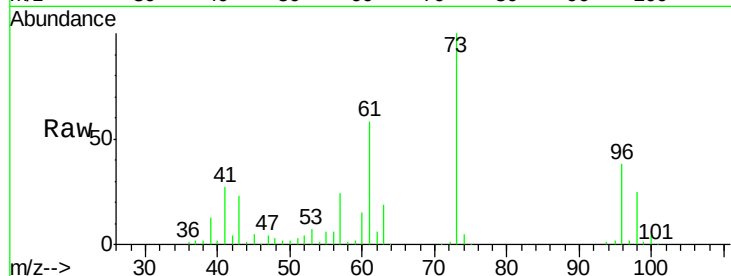
#19
Methyl tert-butyl Ether
Concen: 55.354 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 659855
Ion Ratio Lower Upper
73 100
57 24.1 19.5 29.3

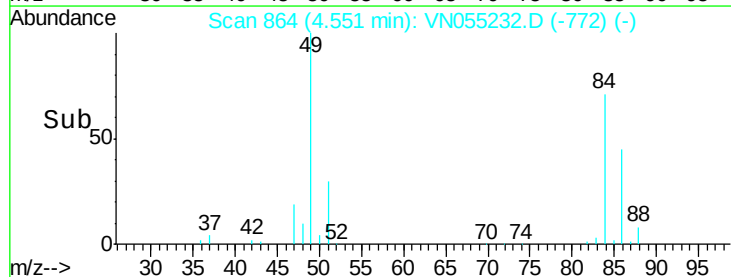
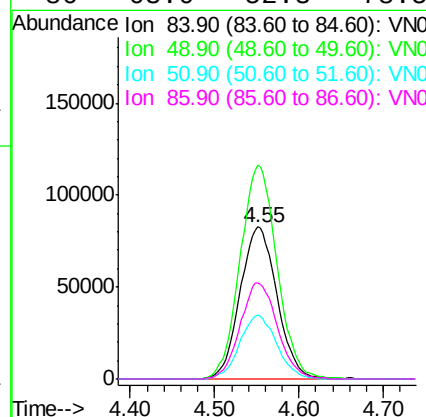
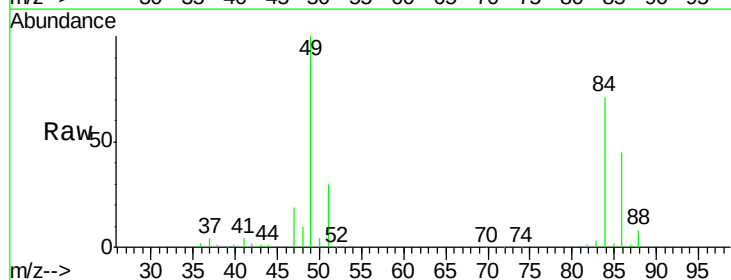
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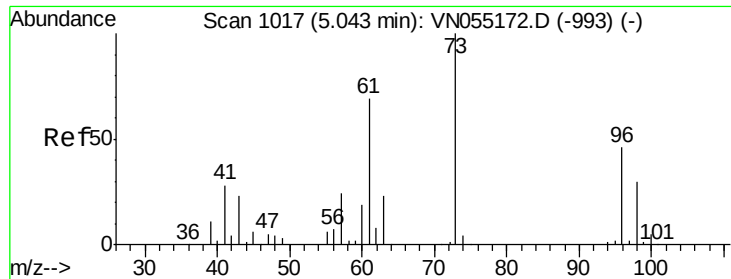
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4/25/2019 12:41:49 PM



#20
Methylene Chloride
Concen: 46.821 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion: 84 Resp: 252403
Ion Ratio Lower Upper
84 100
49 140.4 113.8 170.6
51 42.0 34.0 51.0
86 63.0 52.3 78.5





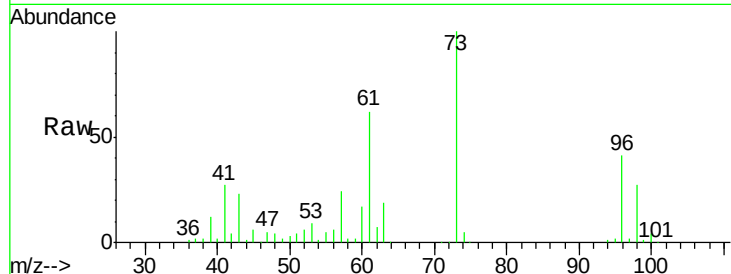
#21
trans-1,2-Dichloroethene
Concen: 50.448 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.8	119.3	178.9
98	65.8	53.0	79.4

Manual Integrations
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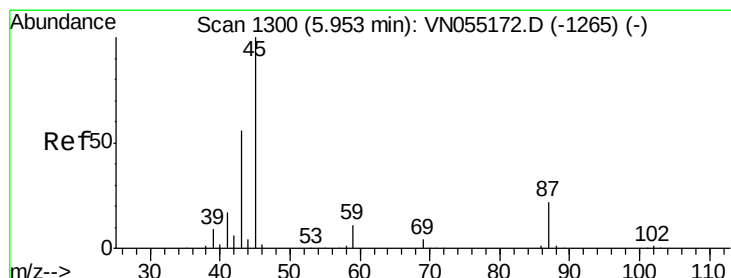
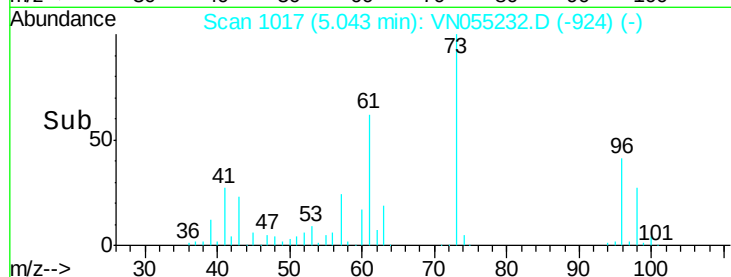
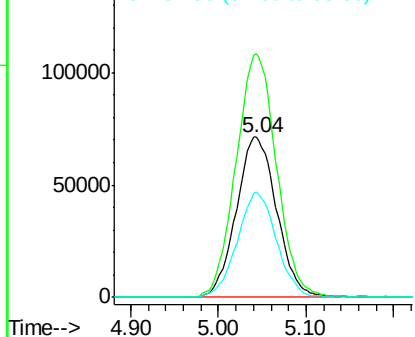


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 52.628 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	47.4	71.0
87	22.3	18.4	27.6
59	10.3	8.6	12.8

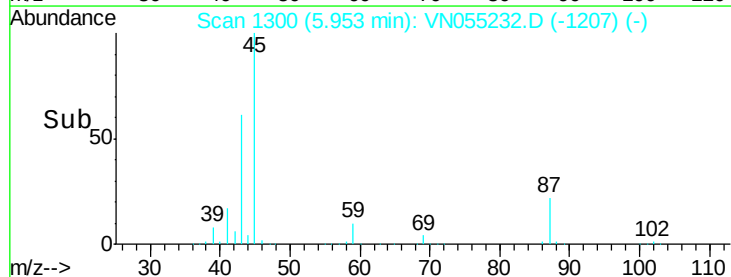
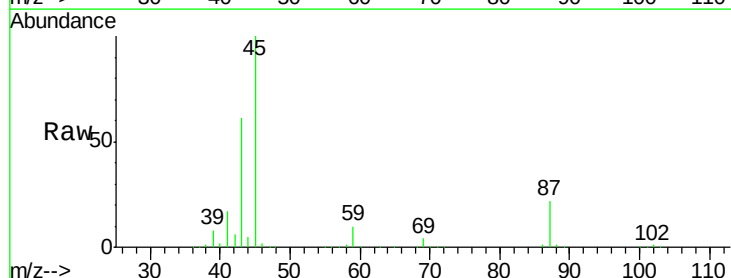
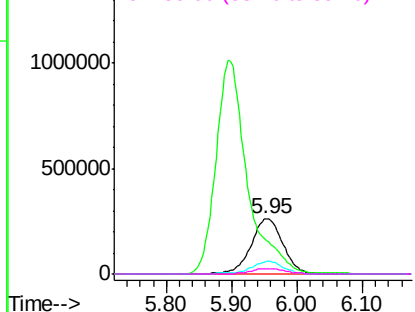
Abundance

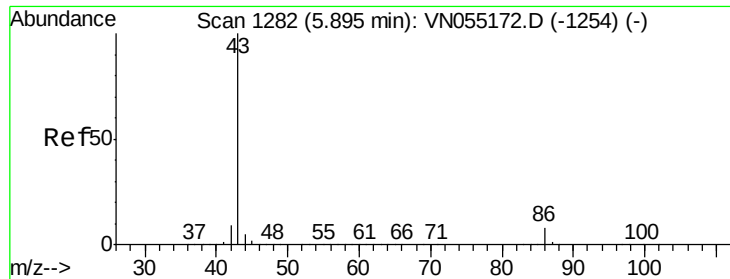
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





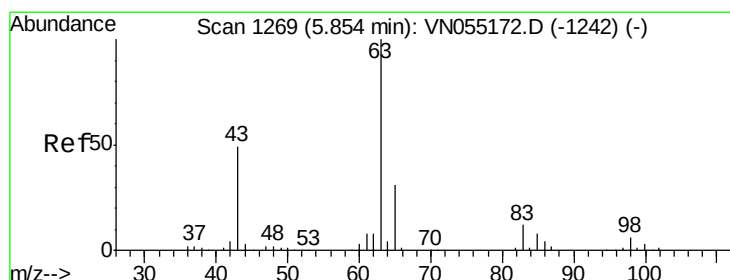
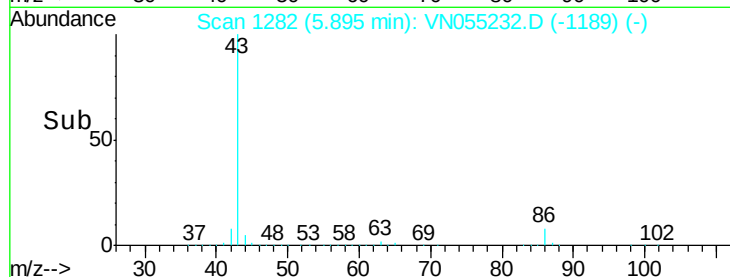
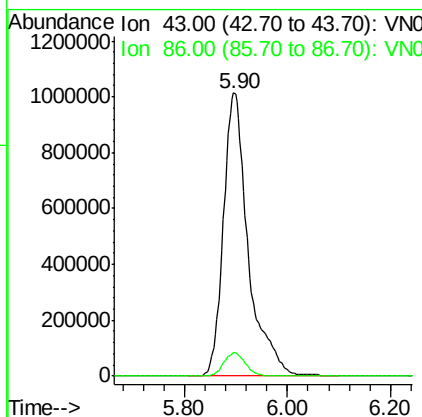
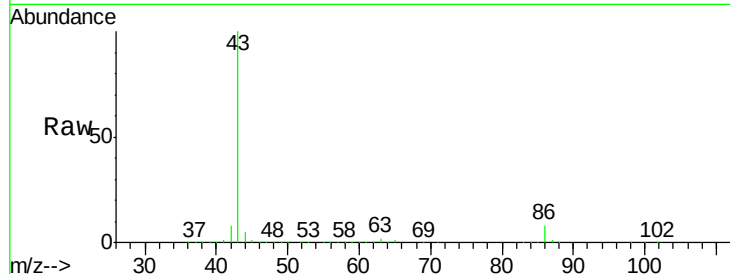
#23
 Vinyl Acetate
 Concen: 297.375 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3395173
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.8 10.2

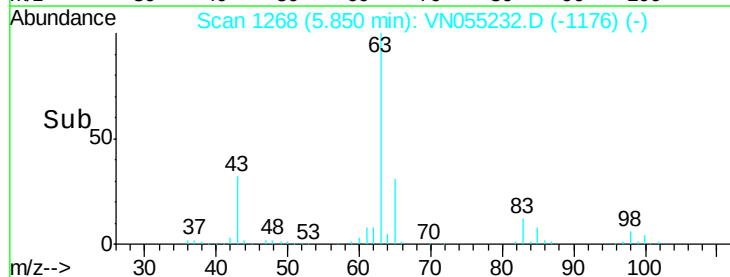
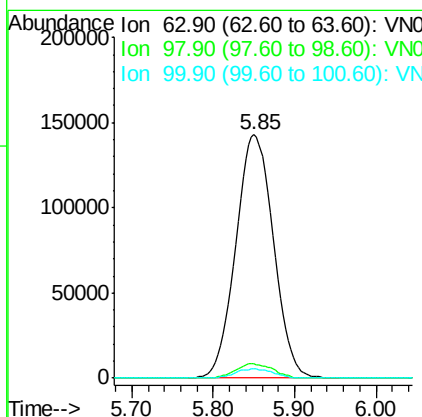
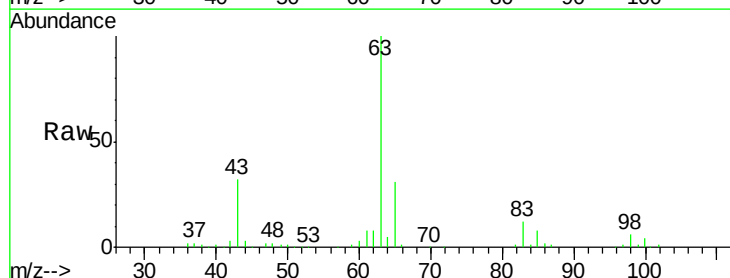
Manual Integrations
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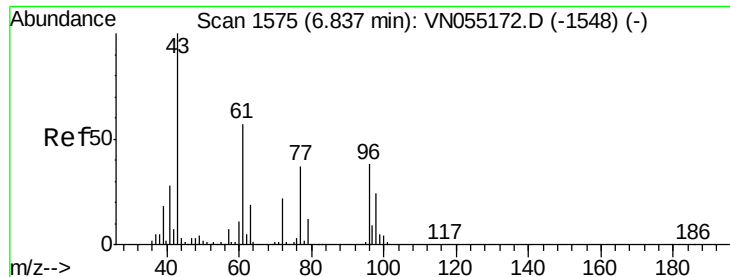
MMDadoda
 4/25/2019 12:41:49 PM



#24
 1,1-Dichloroethane
 Concen: 50.067 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Tgt Ion: 63 Resp: 457545
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.1 9.3
 100 3.8 1.8 5.3





#25

2-Butanone

Concen: 281.981 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 682642

Ion Ratio Lower Upper

43 100

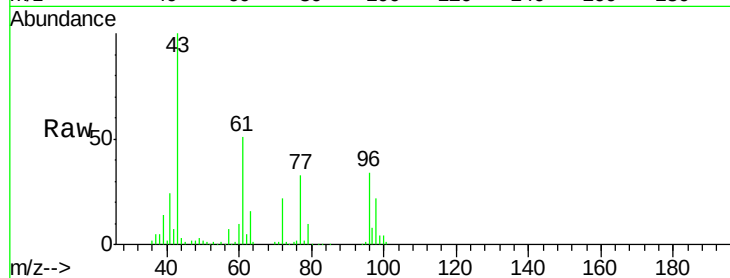
72 22.4 17.8 26.8

Manual Integrations

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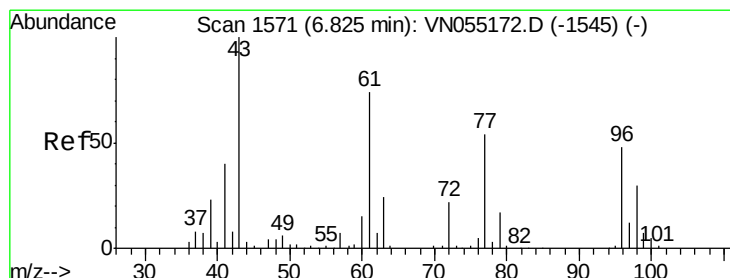
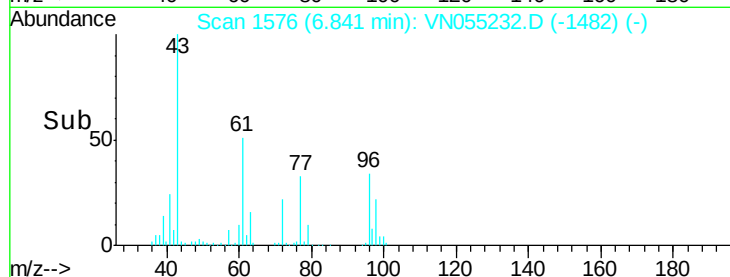
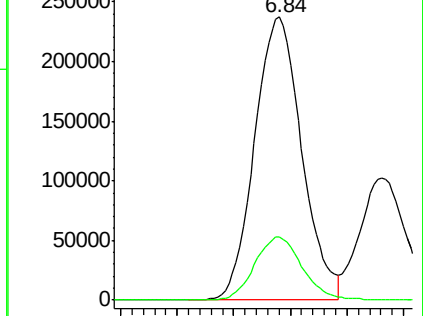
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.482 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055232.D

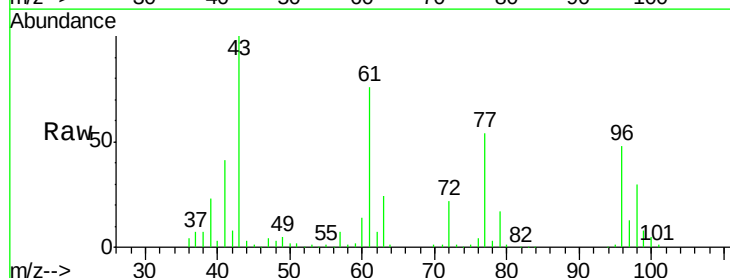
Acq: 24 Apr 2019 17:01

Tgt Ion: 77 Resp: 312192

Ion Ratio Lower Upper

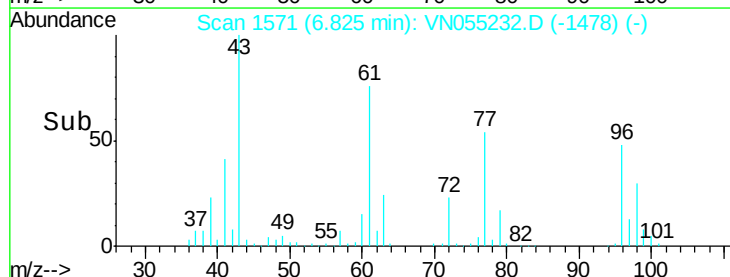
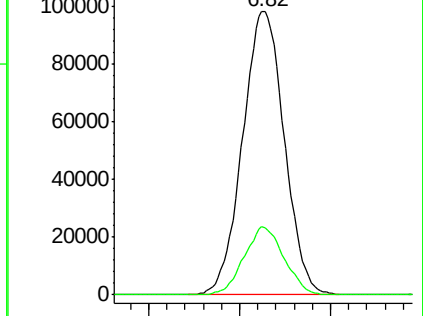
77 100

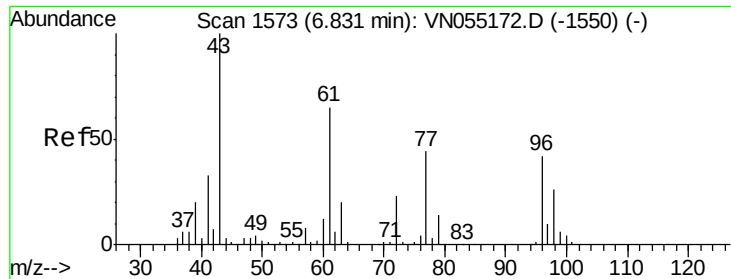
97 23.0 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.118 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

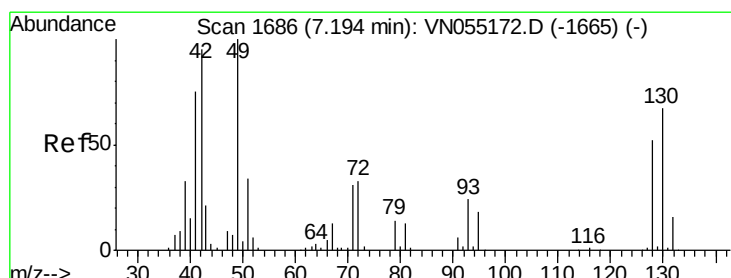
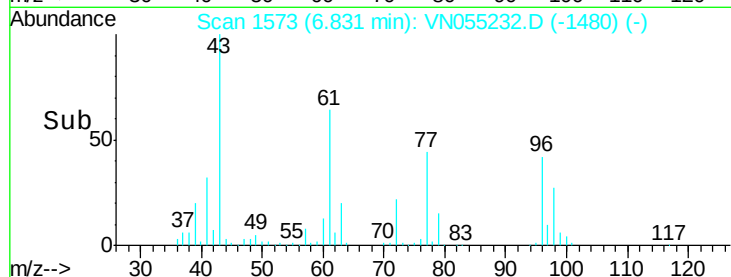
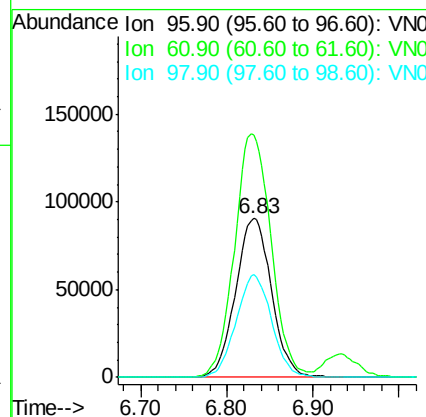
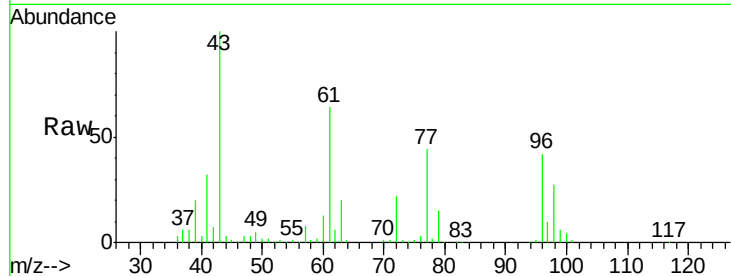
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	261204
Ion	Ratio	Lower	Upper
96	100		
61	156.8	0.0	310.8
98	64.2	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 49.385 ug/l

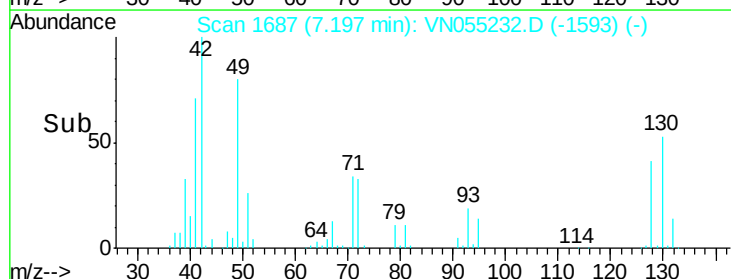
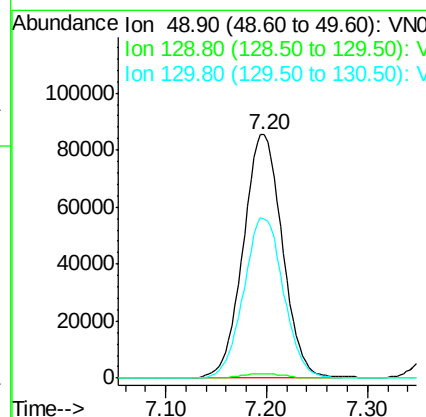
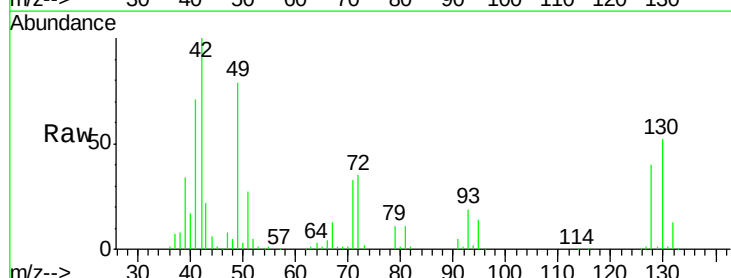
RT: 7.20 min Scan# 1687

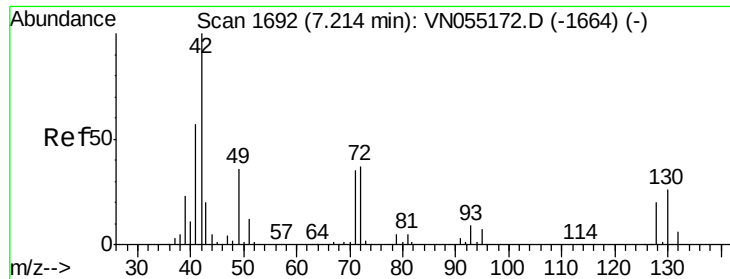
Delta R.T. 0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Tgt Ion:	49	Resp:	230056
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	66.8	53.4	80.2





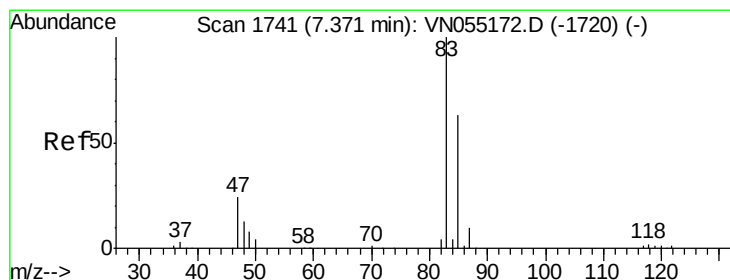
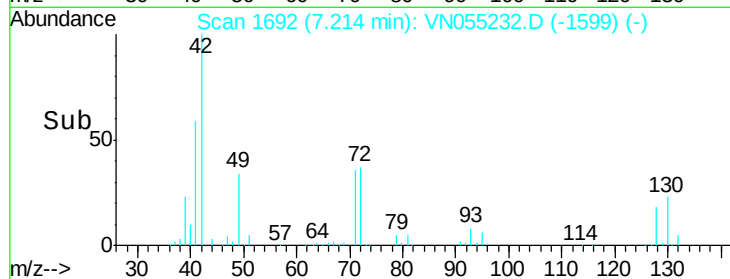
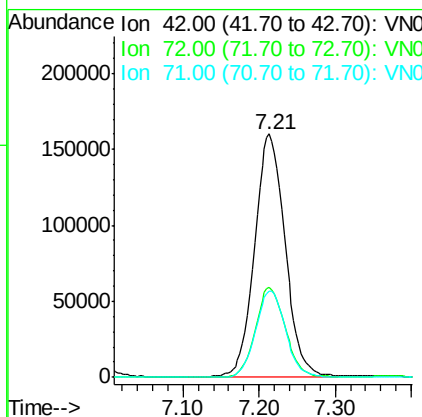
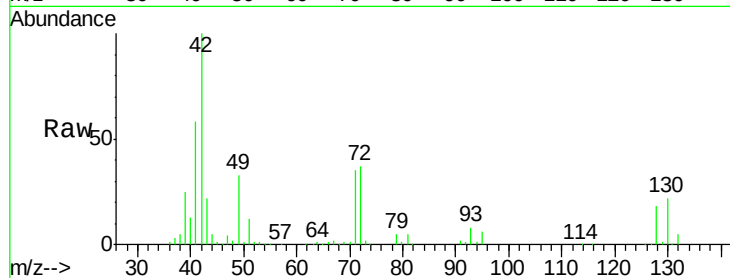
#29
Tetrahydrofuran
Concen: 299.458 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.4	44.2
71	35.0	27.8	41.8

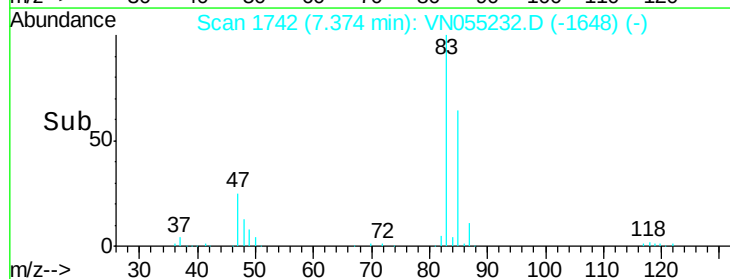
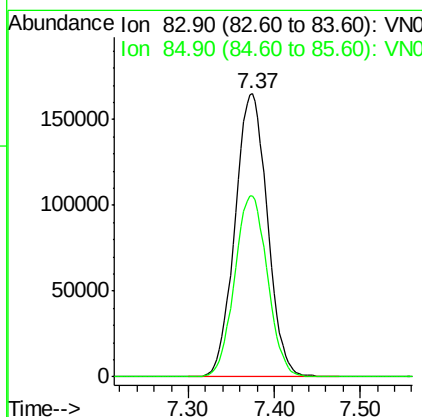
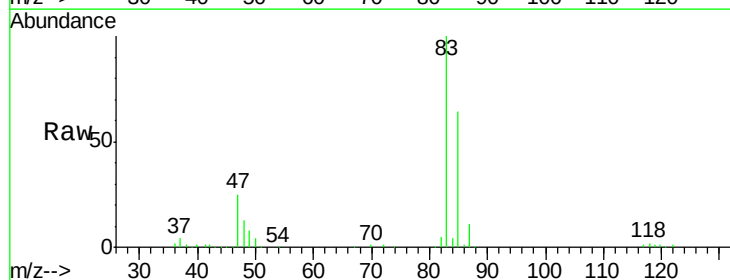
Manual Integrations
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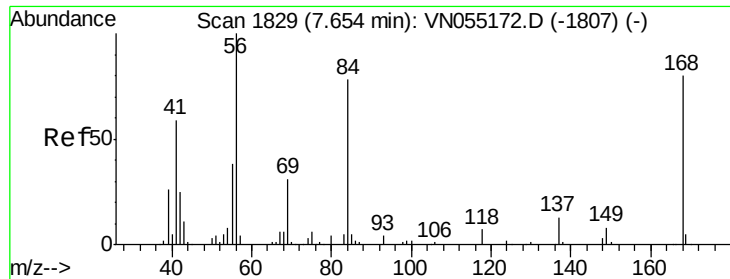
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#30
Chloroform
Concen: 49.826 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	76.0





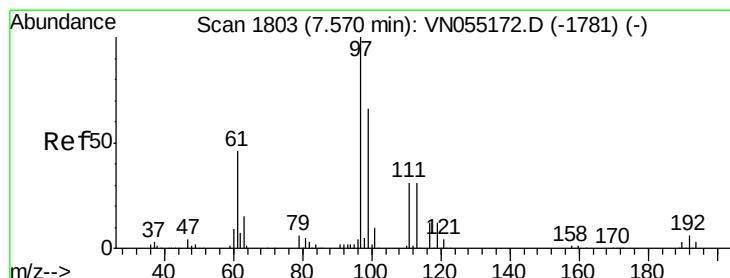
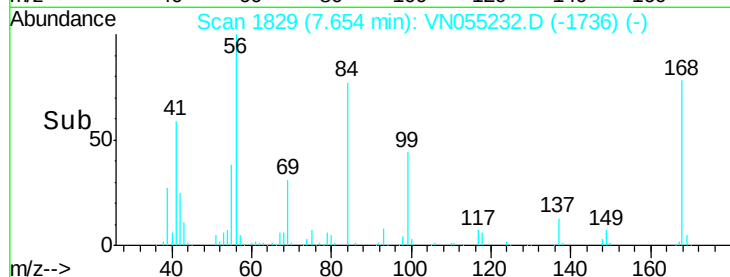
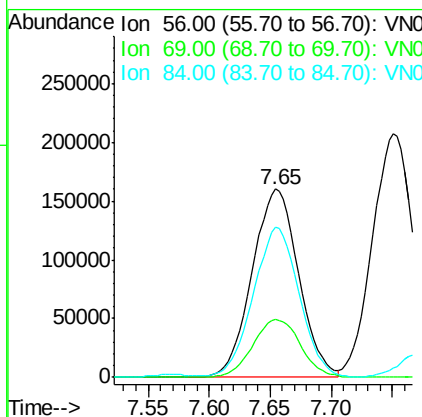
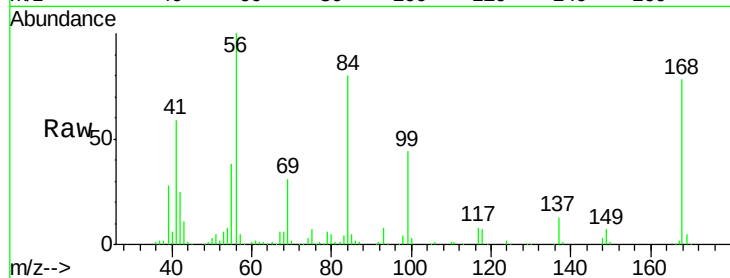
#31
Cyclohexane
Concen: 49.510 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	37.0
84	78.9	61.4	92.2

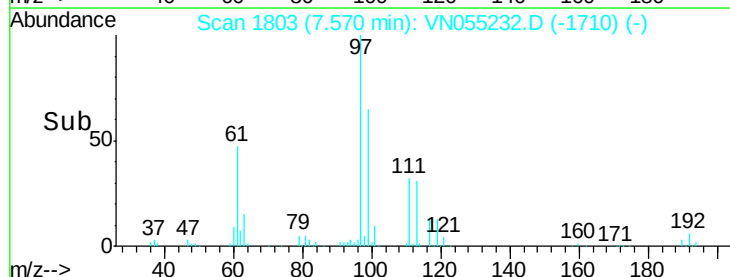
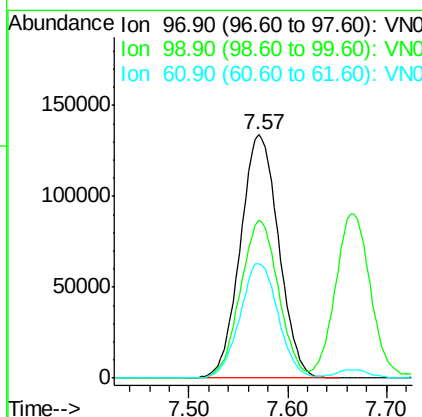
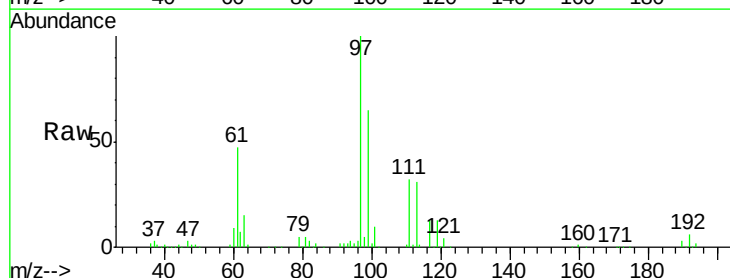
Manual Integrations
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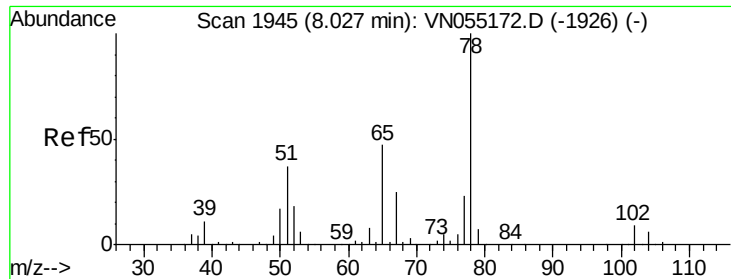
MMDadoda
4/25/2019 12:41:49 PM



#32
1,1,1-Trichloroethane
Concen: 51.542 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	47.0	38.3	57.5





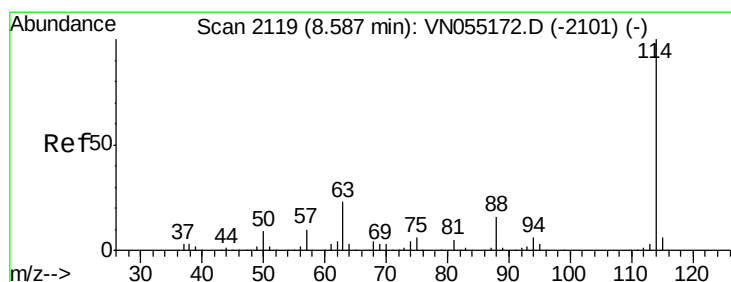
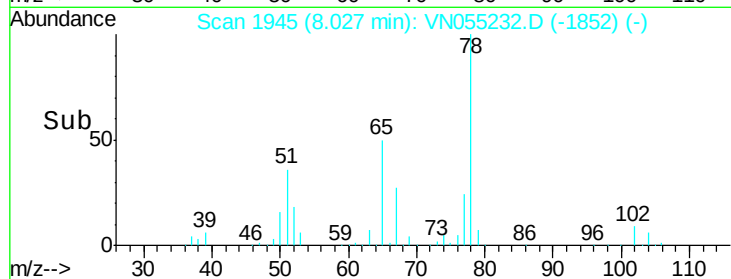
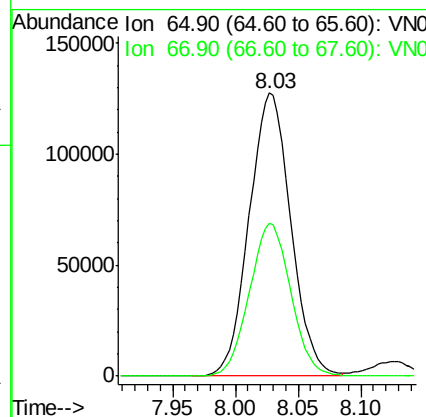
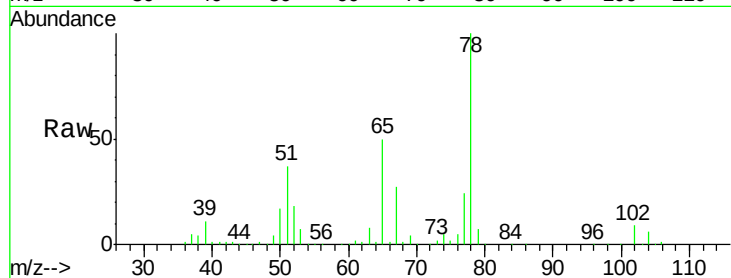
#33
 1,2-Dichloroethane-d4
 Concen: 52.023 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	295086		
67	53.4	0.0	108.6	

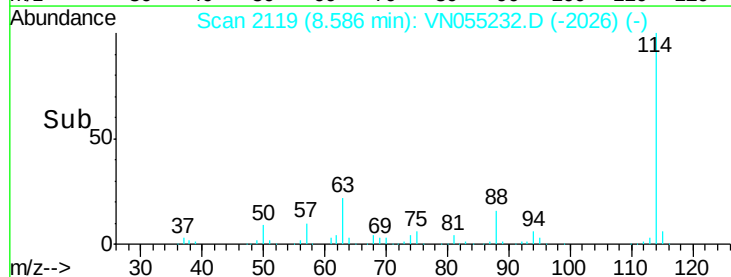
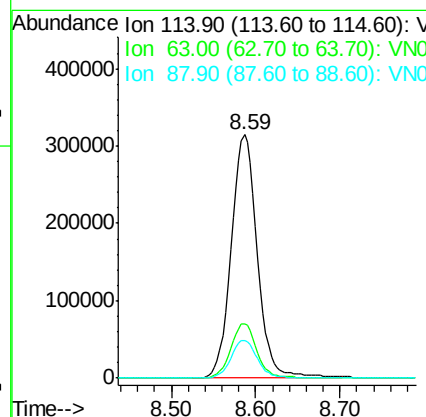
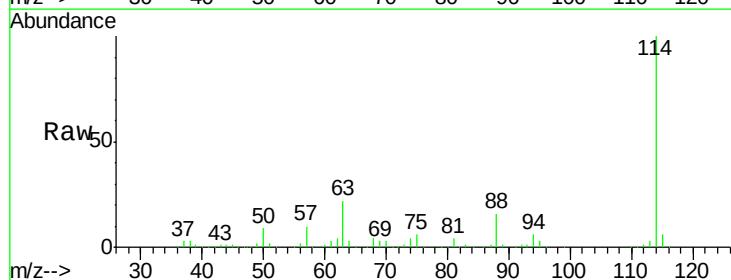
Manual Integrations
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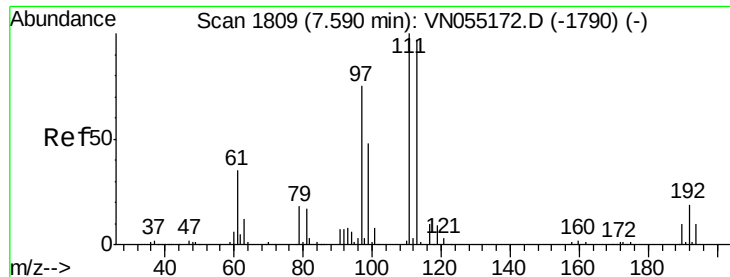
MMDadoda
 4/25/2019 12:41:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	675375		
63	22.4	0.0	45.2	
88	15.5	0.0	32.8	





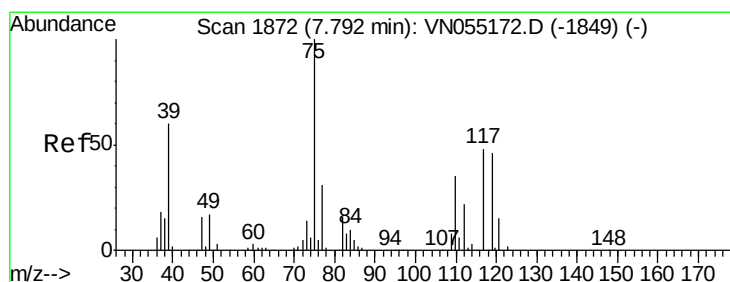
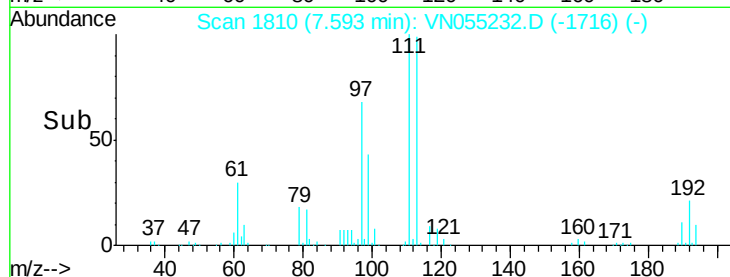
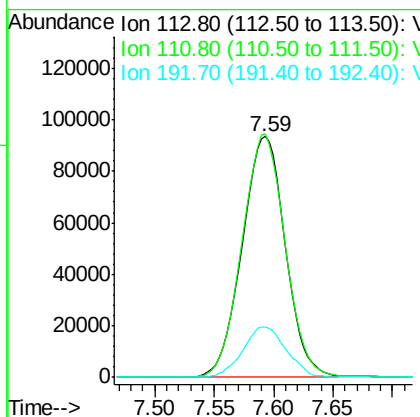
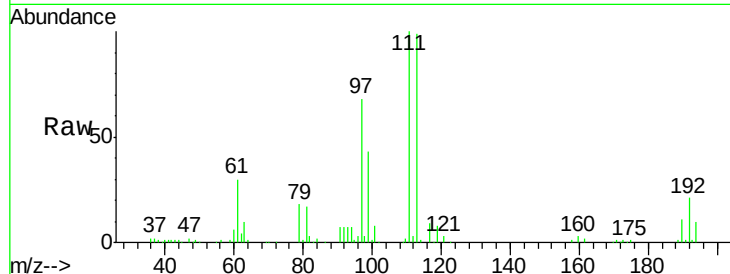
#35
Dibromofluoromethane
Concen: 51.232 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	81.0	121.4	
192	21.1	16.2	24.4	

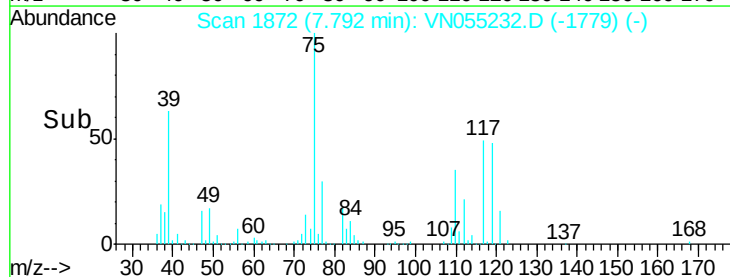
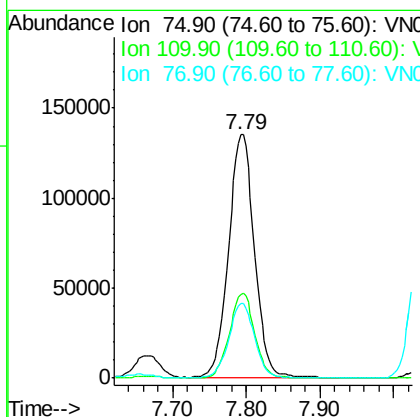
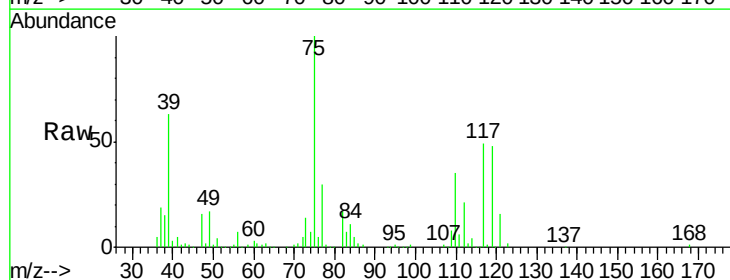
Manual Integrations
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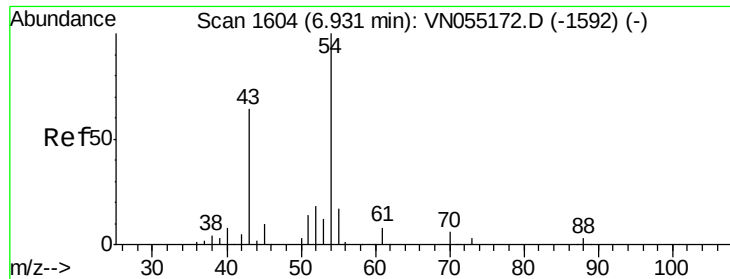
MMDadoda
4/25/2019 12:41:49 PM



#36
1,1-Dichloropropene
Concen: 52.544 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.0	17.1	51.2	
77	30.8	24.6	36.8	





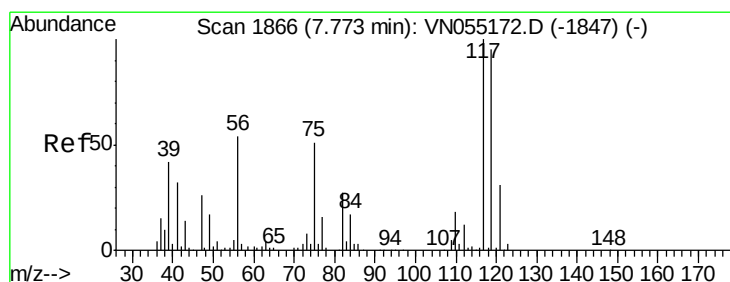
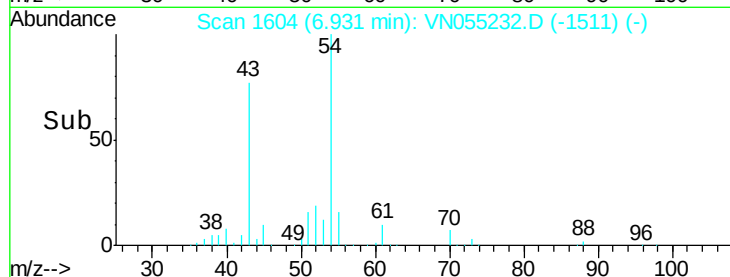
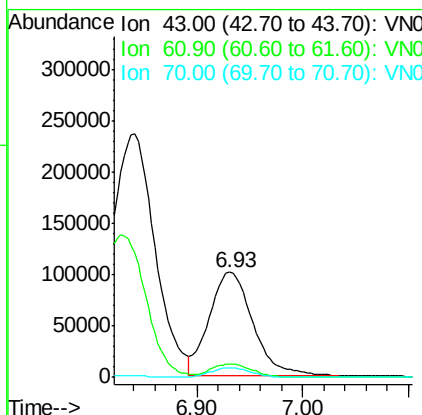
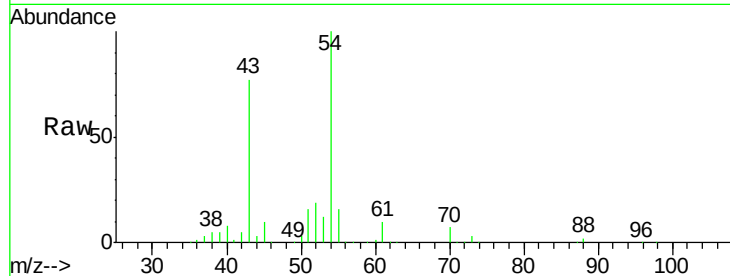
#37
Ethyl Acetate
Concen: 57.789 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.7	14.5
70	8.8	6.9	10.3

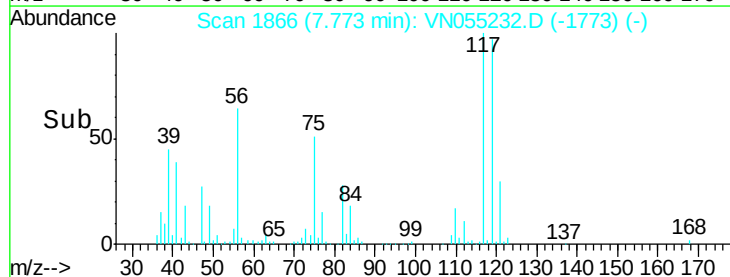
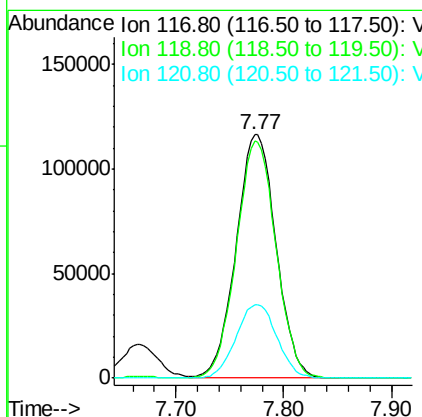
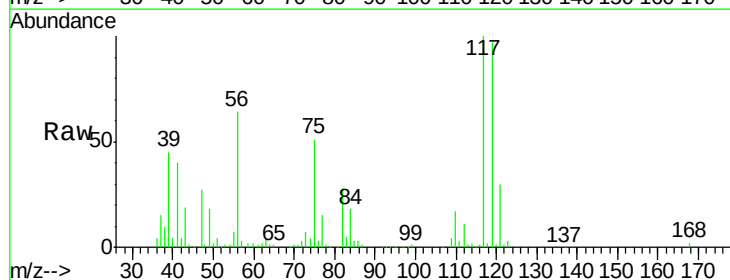
Manual Integrations
APPROVED

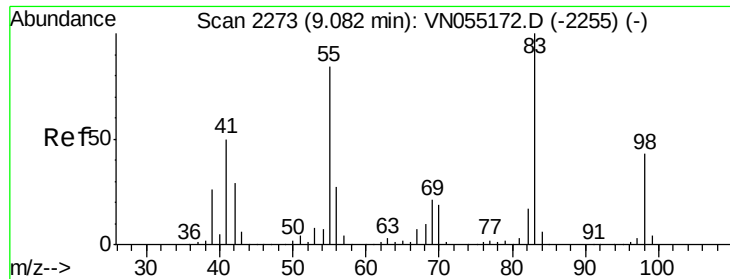
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.952 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.0	114.0
121	30.2	24.6	36.8





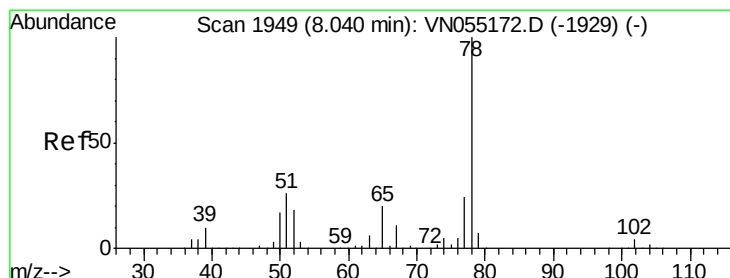
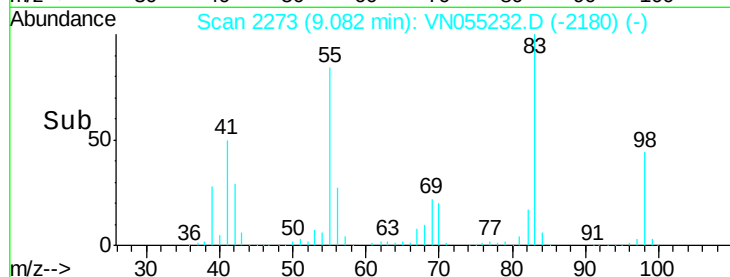
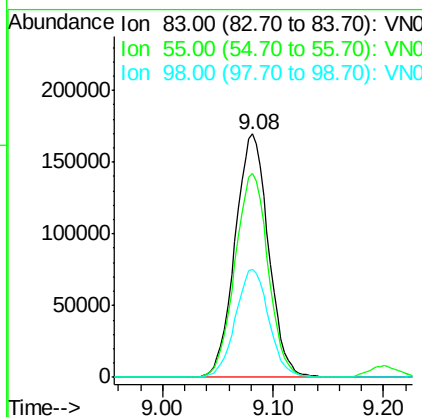
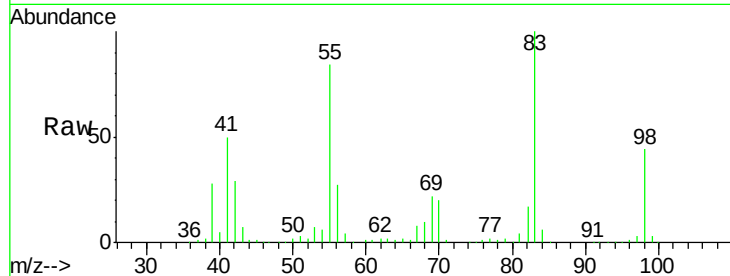
#39
Methylvlcyclohexane
Concen: 47.690 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	356637
Ion	Ratio	Lower	Upper
83	100		
55	83.7	67.4	101.0
98	44.4	34.7	52.1

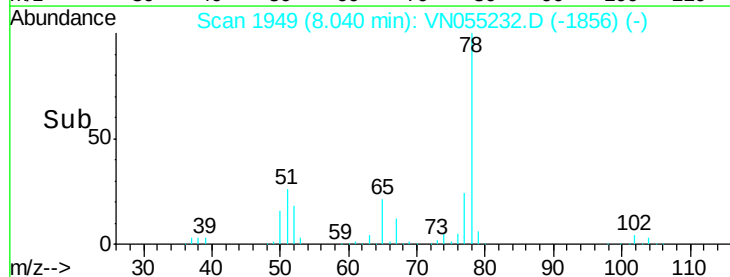
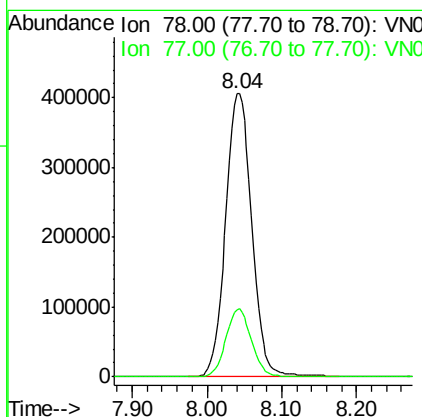
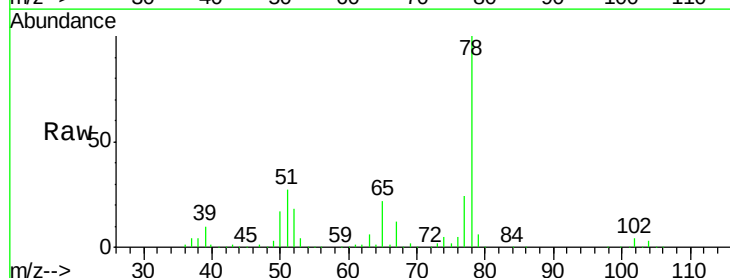
Manual Integrations
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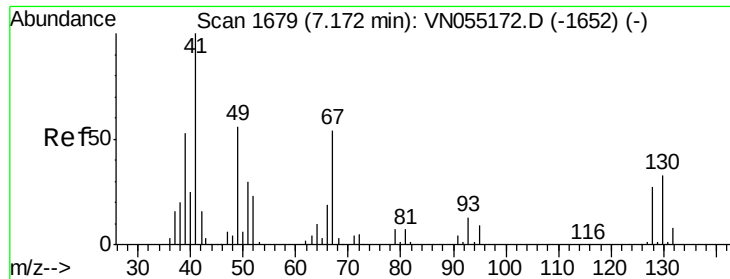
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4/25/2019 12:41:49 PM



#40
Benzene
Concen: 50.951 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	78	Resp	985931
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3





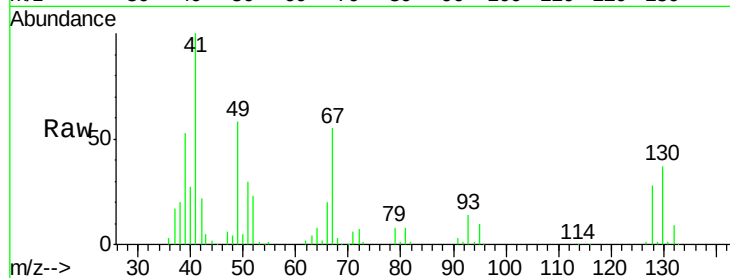
#41
Methacrylonitrile
Concen: 63.933 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

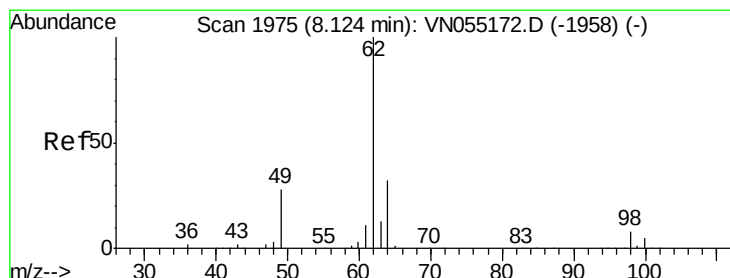
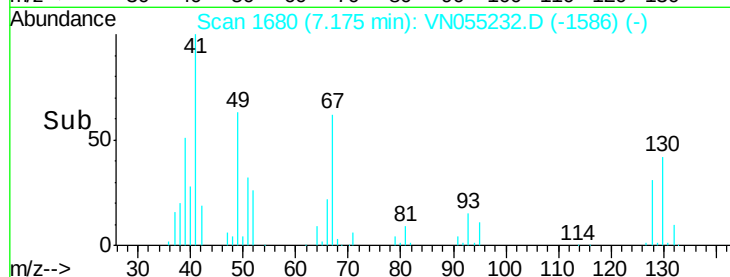
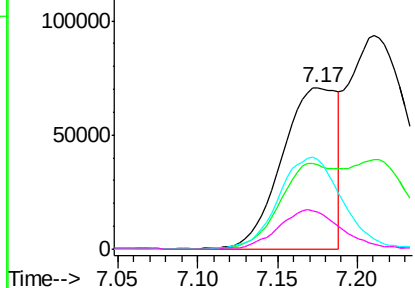
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		169565		
39	57.1	45.4	68.0		
67	66.6	54.6	81.8		
52	28.4	22.8	34.2		

Manual Integrations
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4/25/2019 12:41:49 PM

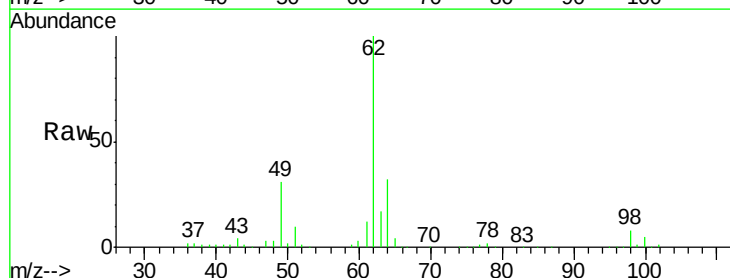


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

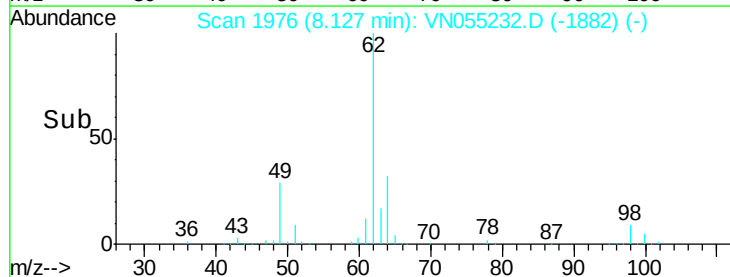
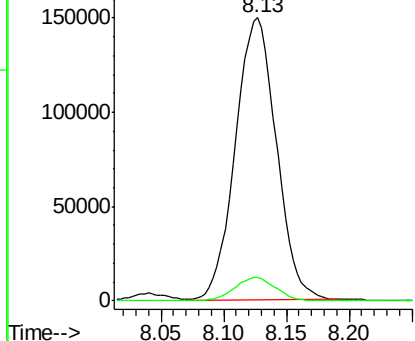


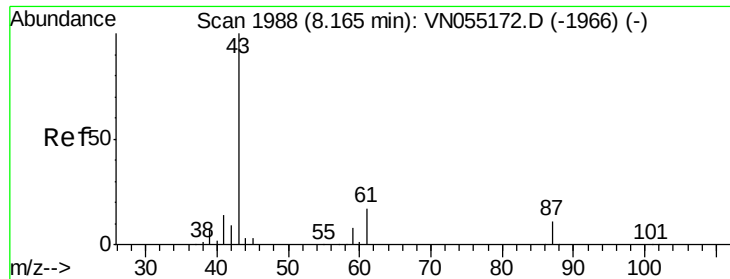
#42
1,2-Dichloroethane
Concen: 50.369 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		340028		
98	8.3	0.0	17.0		



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





#43

Isopropyl Acetate

Concen: 67.348 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

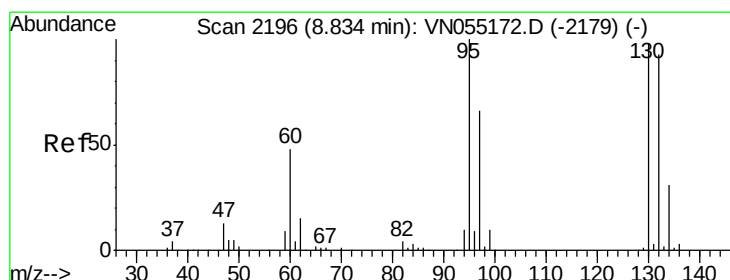
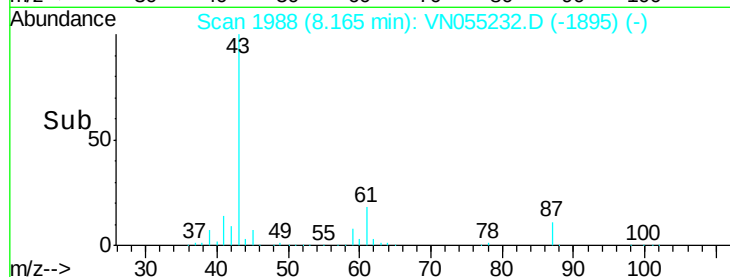
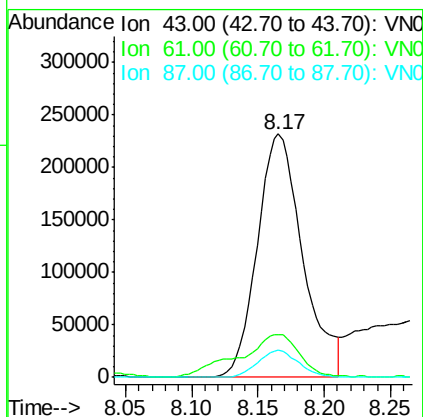
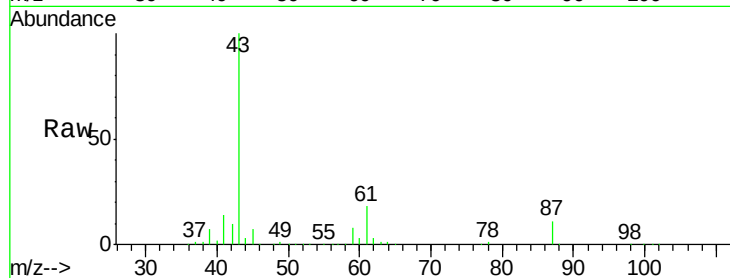
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	551721
Ion	Ratio	Lower	Upper
43	100		
61	23.0	20.6	30.8
87	10.0	8.8	13.2

Manual Integrations
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#44

Trichloroethene

Concen: 50.641 ug/l

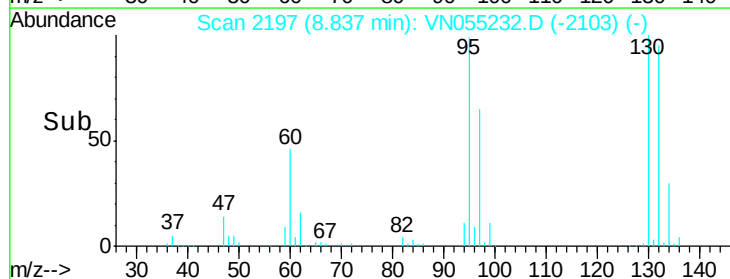
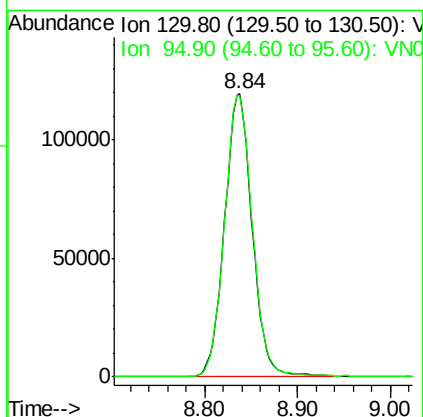
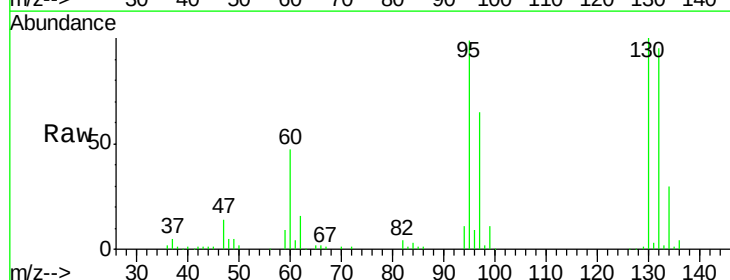
RT: 8.84 min Scan# 2197

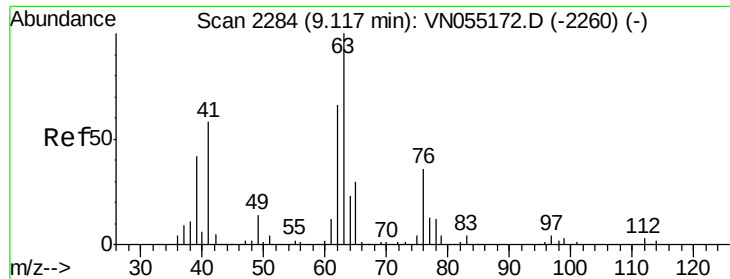
Delta R.T. 0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Tgt Ion:	130	Resp:	247676
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	203.6





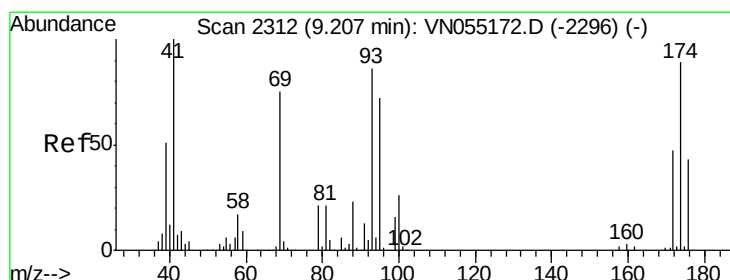
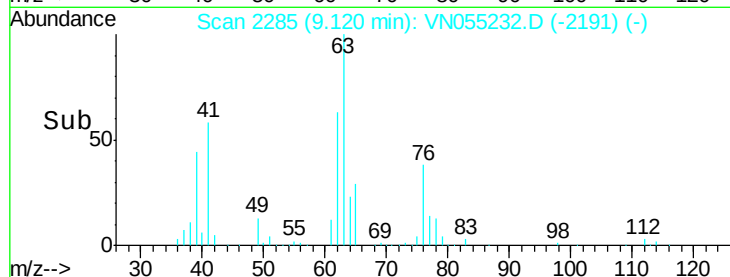
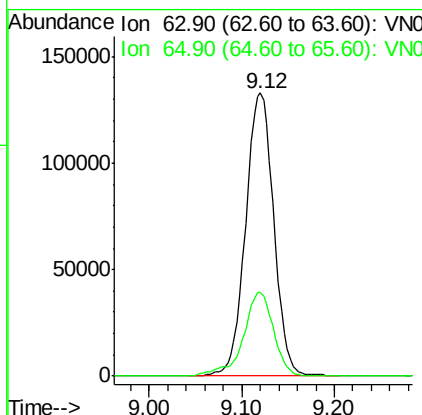
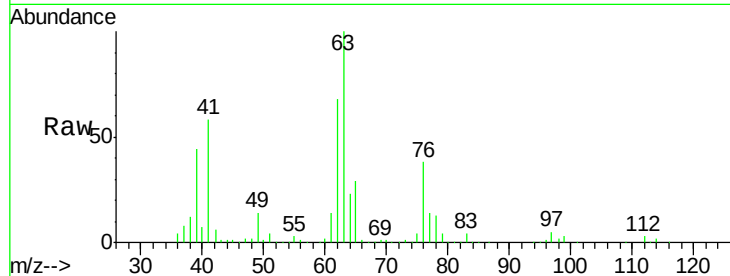
#45
 1,2-Dichloropropane
 Concen: 51.291 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 280160
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.8 35.6

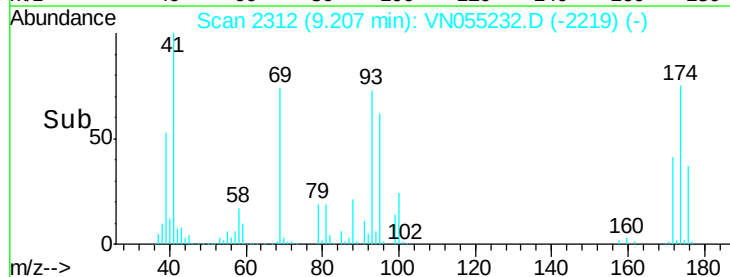
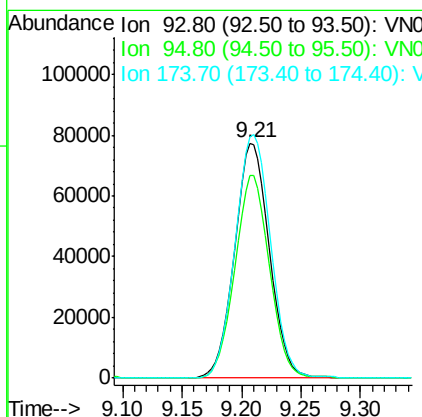
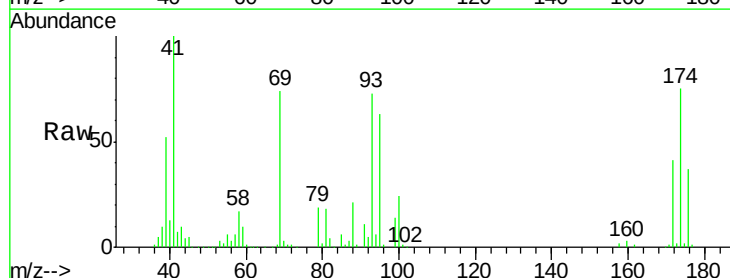
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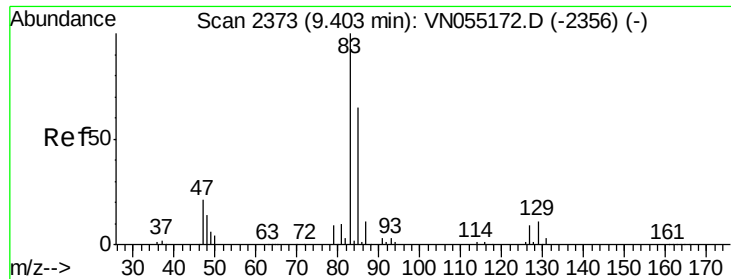
MMDadoda
 4/25/2019 12:41:49 PM



#46
 Dibromomethane
 Concen: 50.127 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Tgt Ion: 93 Resp: 156739
 Ion Ratio Lower Upper
 93 100
 95 86.0 67.6 101.4
 174 105.7 83.4 125.2





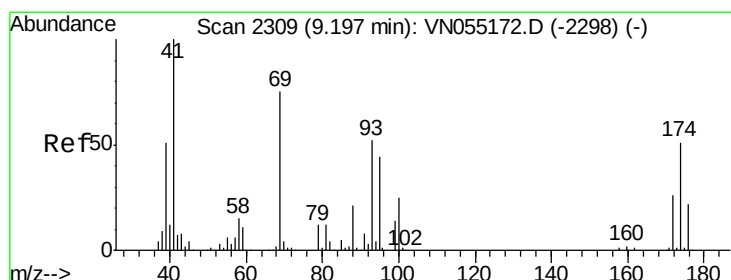
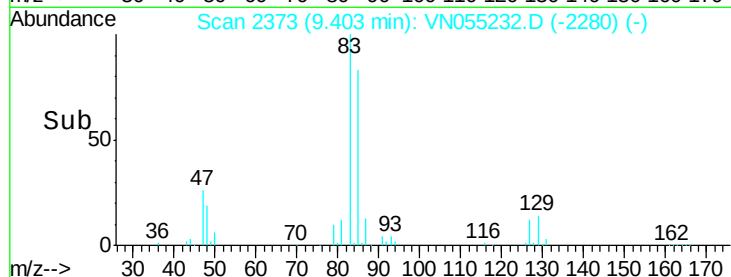
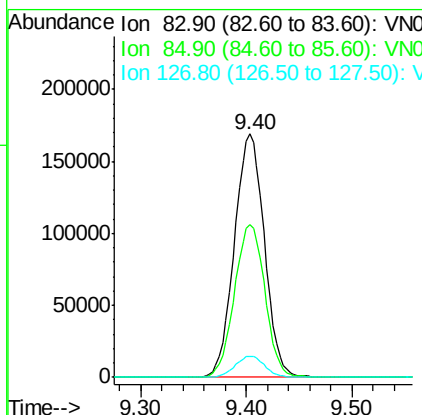
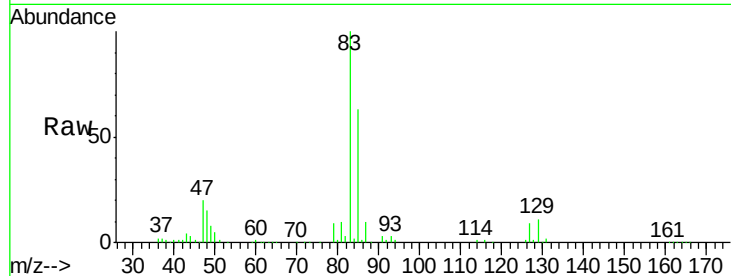
#47
Bromodichloromethane
Concen: 53.295 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	333608
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	52.1	78.1
127	8.8	6.9	10.3

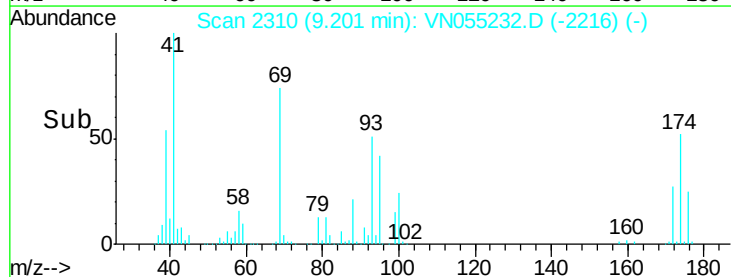
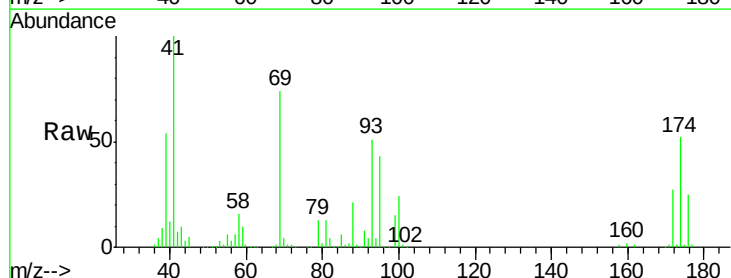
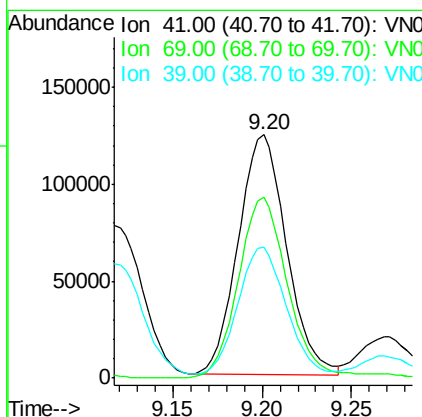
Manual Integrations
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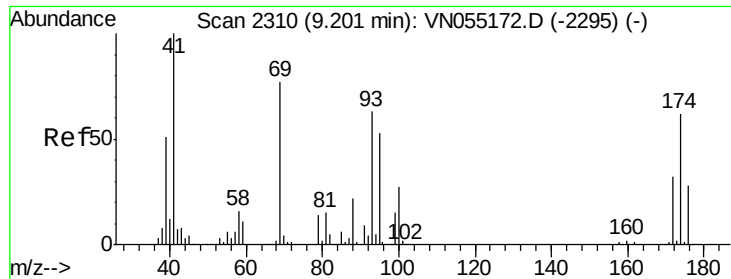
MMDadoda
4/25/2019 12:41:49 PM



#48
Methyl methacrylate
Concen: 58.769 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	41	Resp	233534
Ion Ratio	100	Lower	Upper
41	100		
69	79.2	63.6	95.4
39	55.3	43.8	65.8





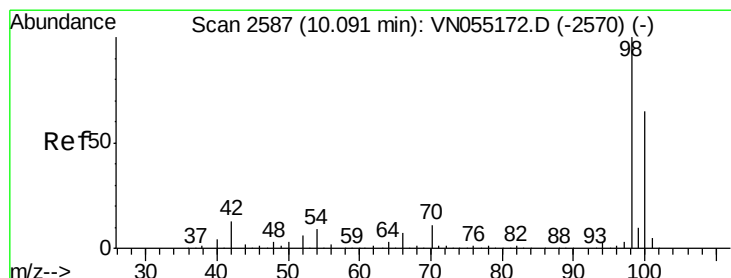
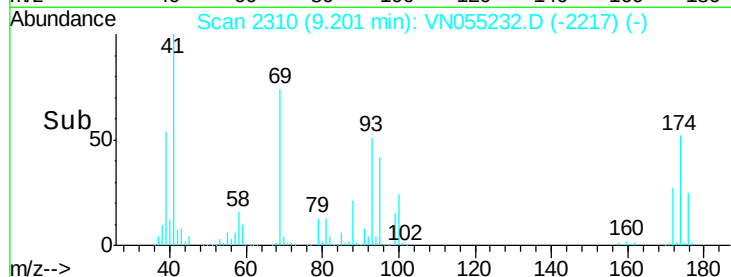
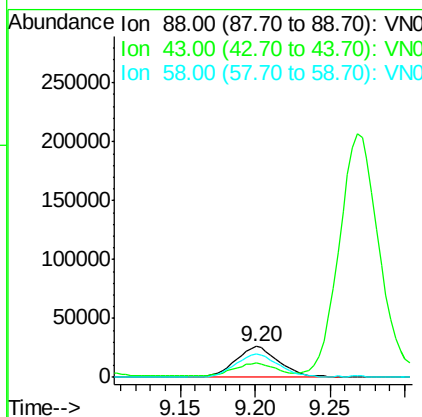
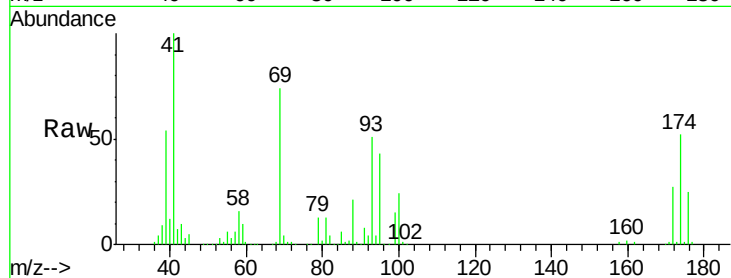
#49
1,4-Dioxane
Concen: 1146.085 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	52594
Ion	Ratio	Lower	Upper
88	100		
43	41.4	32.0	48.0
58	76.6	60.4	90.6

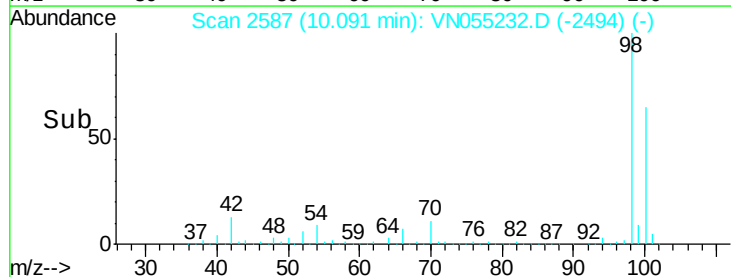
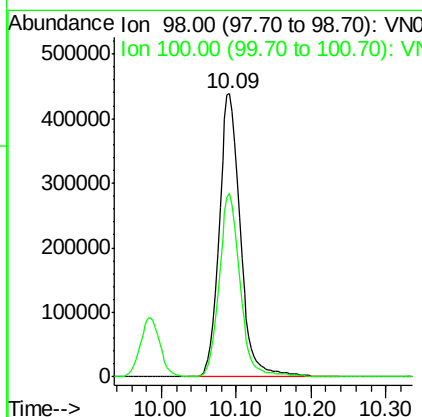
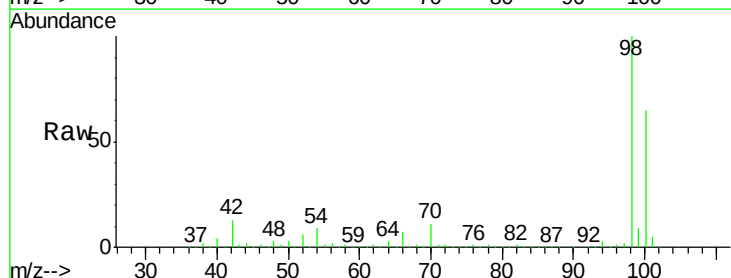
Manual Integrations
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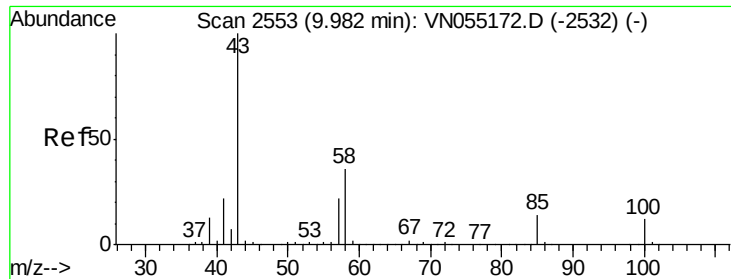
MMDadoda
4/25/2019 12:41:49 PM



#50
Toluene-d8
Concen: 50.480 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	98	Resp	858139
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 298.977 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1409364

Ion Ratio Lower Upper

43 100

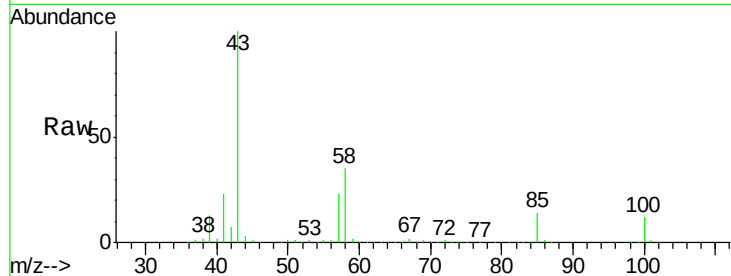
58 35.3 28.3 42.5

Manual Integrations

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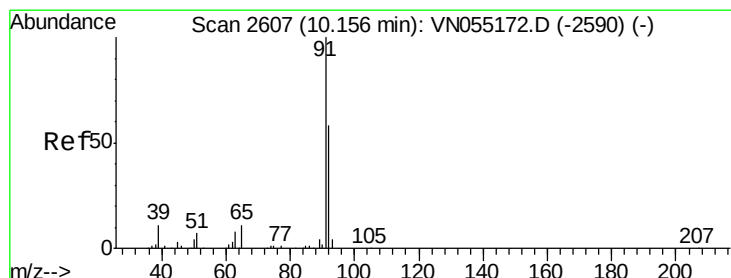
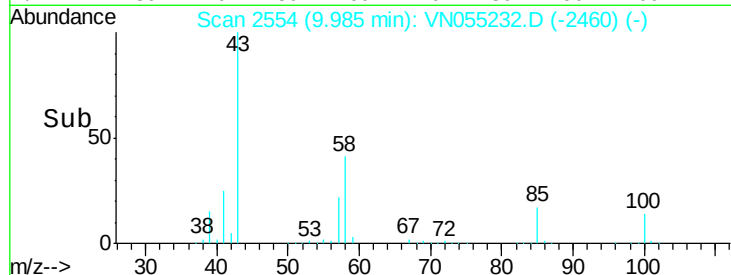
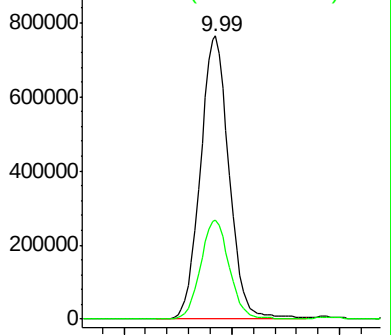
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.147 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055232.D

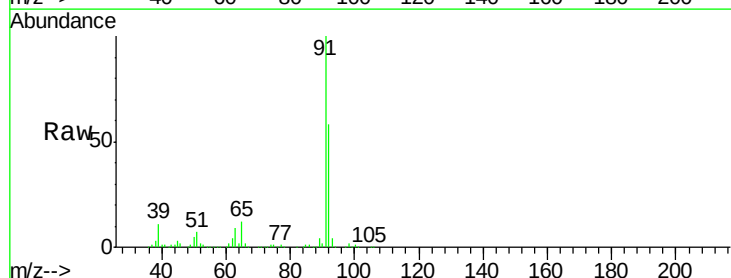
Acq: 24 Apr 2019 17:01

Tgt Ion: 92 Resp: 580211

Ion Ratio Lower Upper

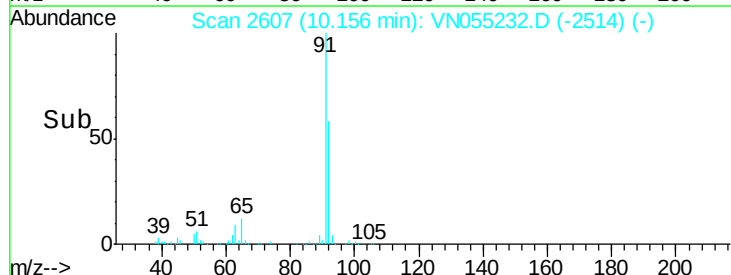
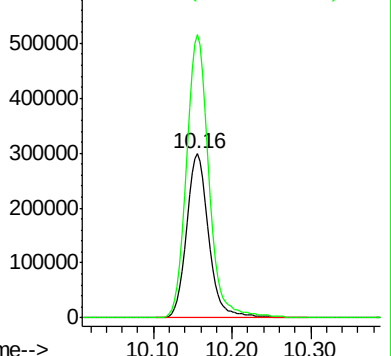
92 100

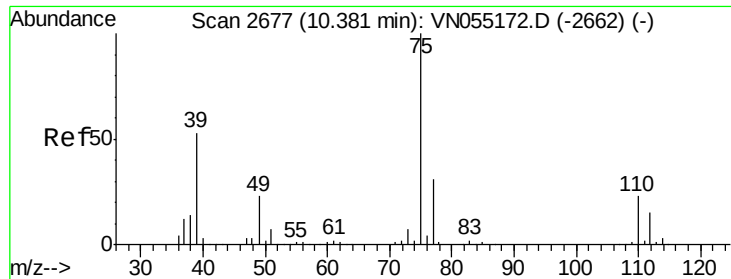
91 173.7 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





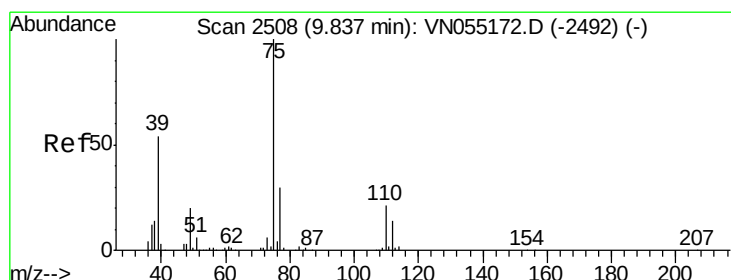
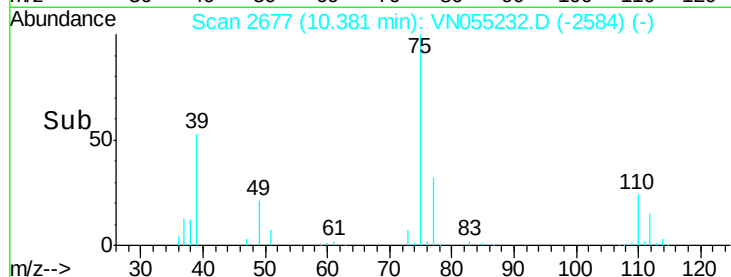
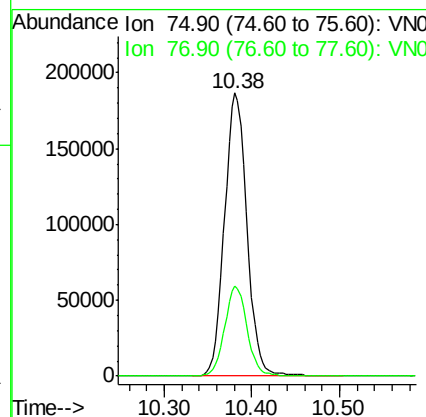
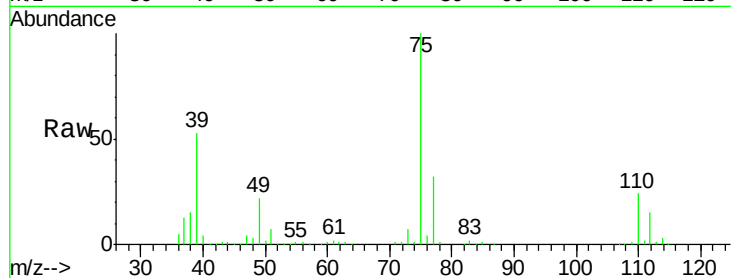
#53
t-1,3-Dichloropropene
Concen: 57.980 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 333071
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7

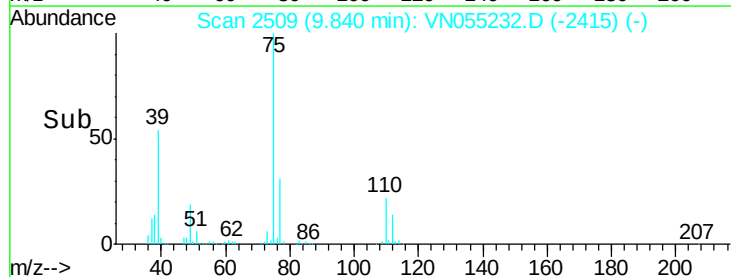
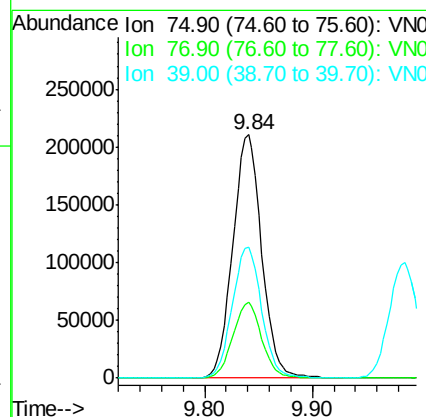
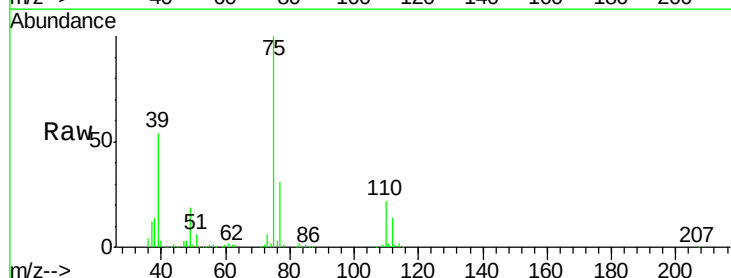
Manual Integrations
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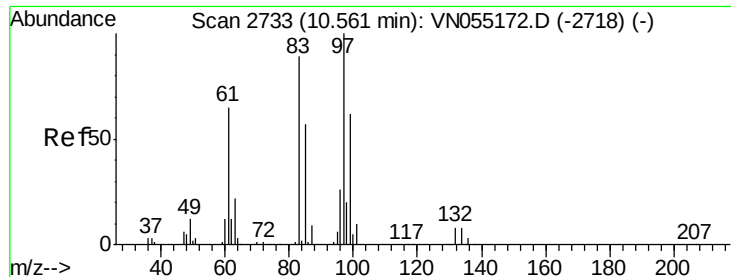
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#54
cis-1,3-Dichloropropene
Concen: 55.256 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion: 75 Resp: 393904
Ion Ratio Lower Upper
75 100
77 31.1 24.3 36.5
39 53.5 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 53.134 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

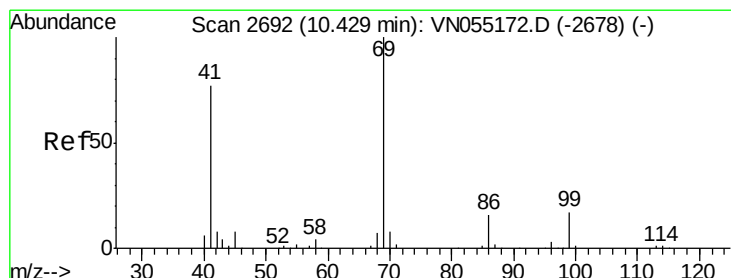
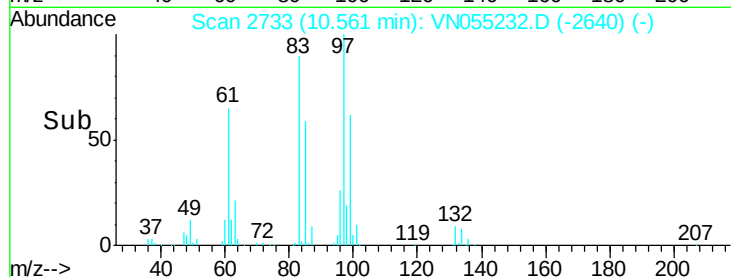
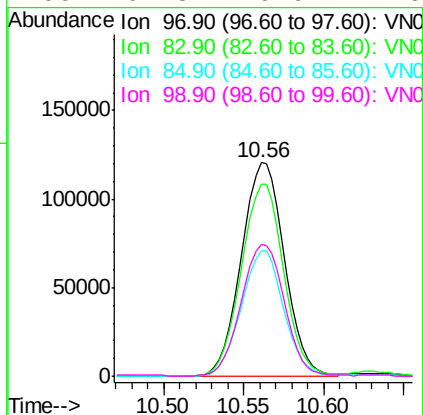
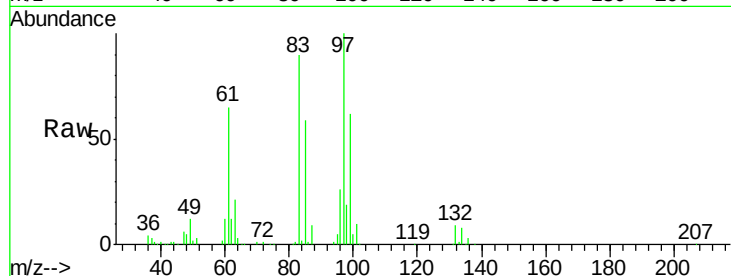
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	222216
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.5	107.3
85	58.8	45.8	68.6
99	61.8	49.9	74.9

Manual Integrations
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4/25/2019 12:41:49 PM



#56

Ethyl methacrylate

Concen: 61.003 ug/l

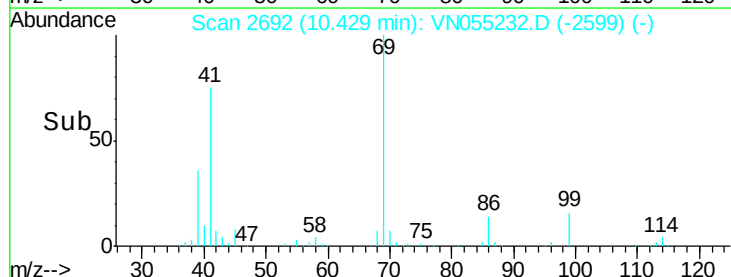
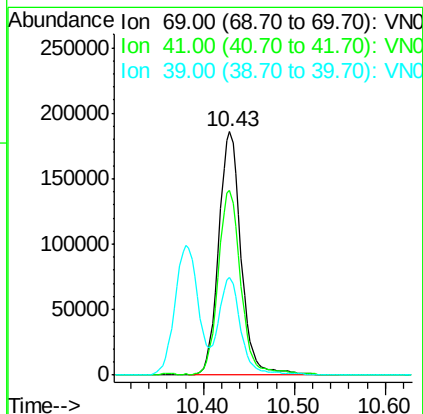
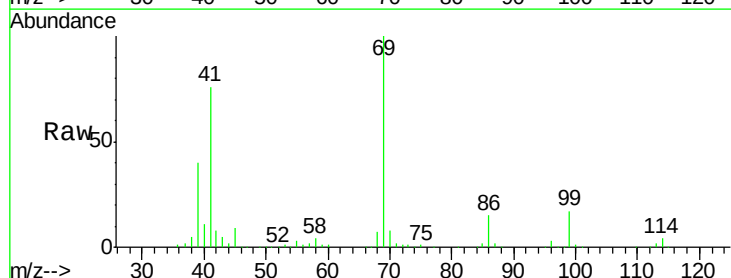
RT: 10.43 min Scan# 2692

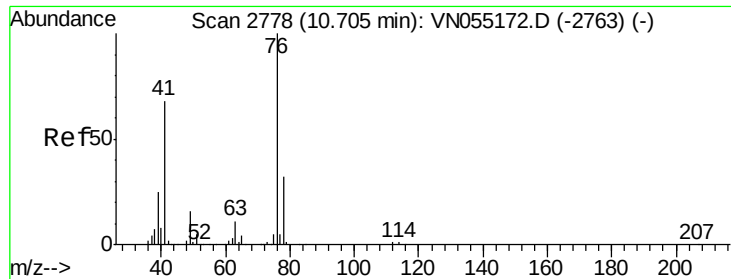
Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Tgt Ion:	69	Resp:	317823
Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.6	90.8
39	39.4	31.7	47.5





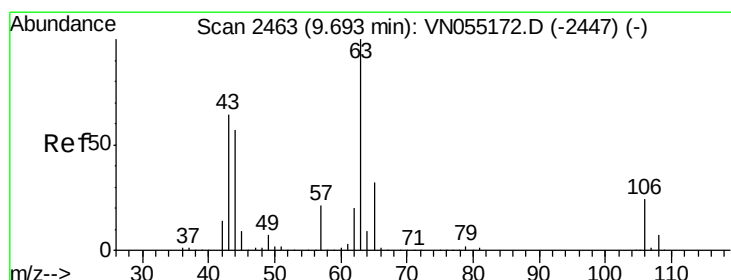
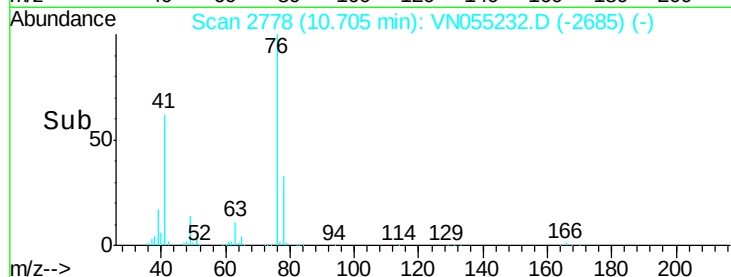
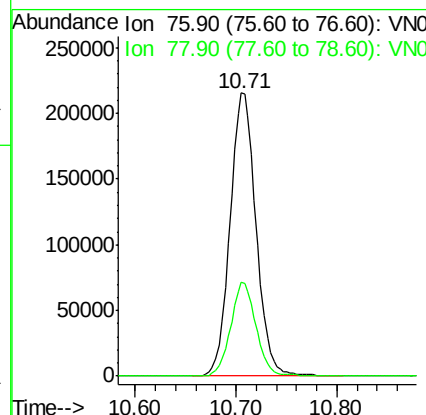
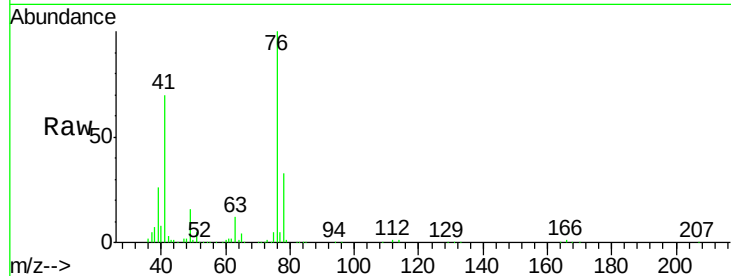
#57
 1,3-Dichloropropane
 Concen: 53.316 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 387943
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.3 37.9

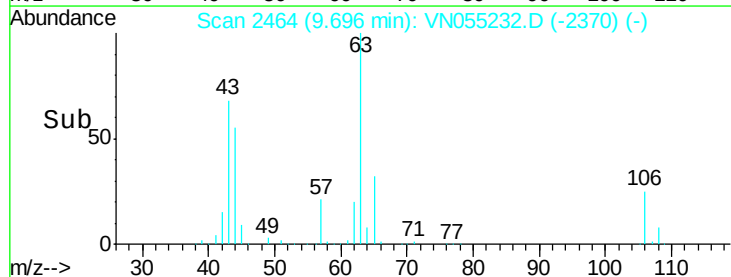
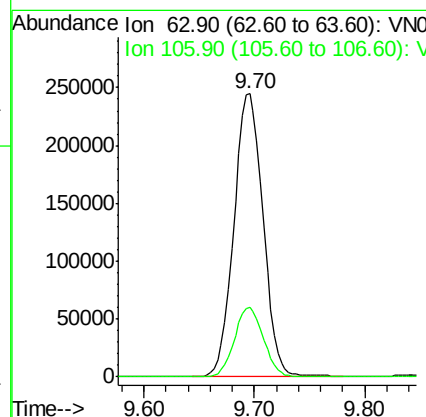
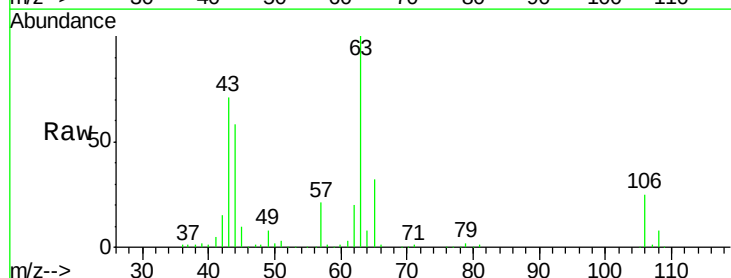
Manual Integrations
 APPROVED

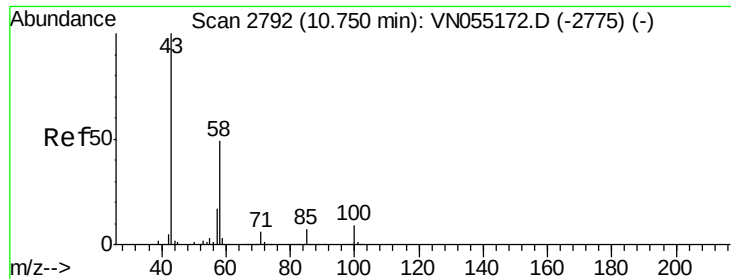
MMDadoda
 4/25/2019 12:41:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.872 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Tgt Ion: 63 Resp: 449047
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.4 29.0





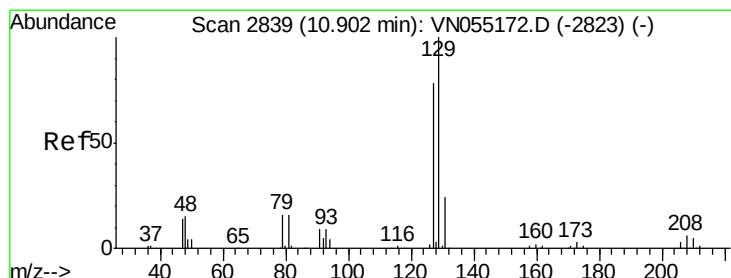
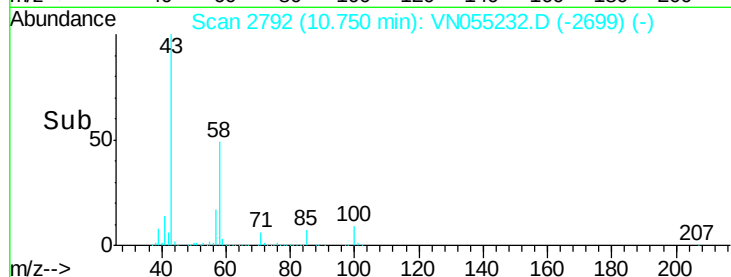
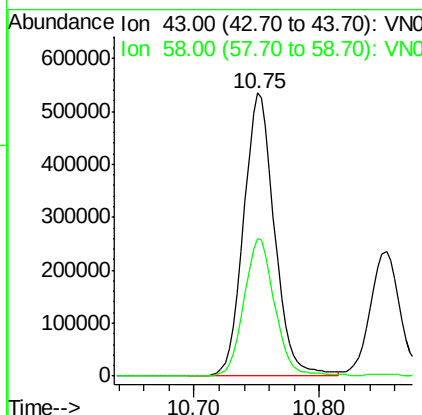
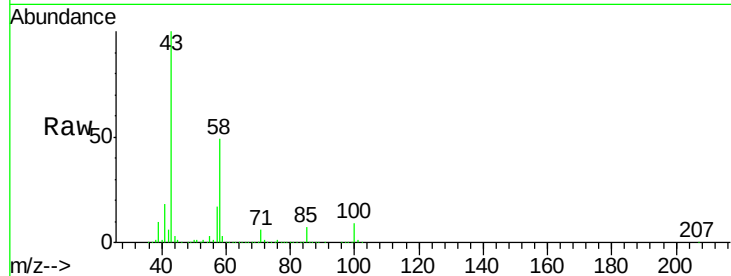
#59
2-Hexanone
Concen: 306.949 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	913958
Ion Ratio	43	100	
Lower	58	48.7	24.5
Upper			73.5

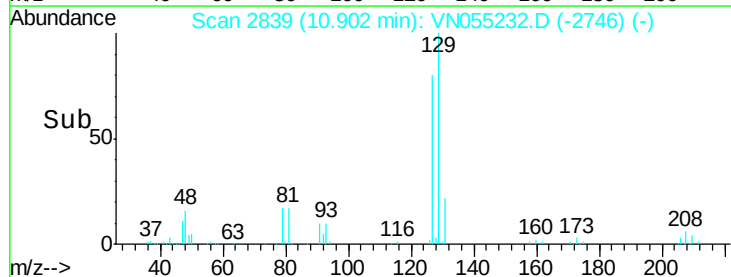
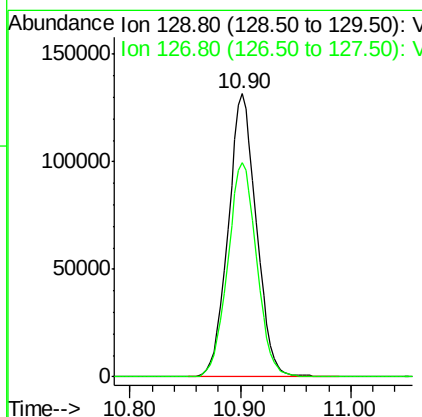
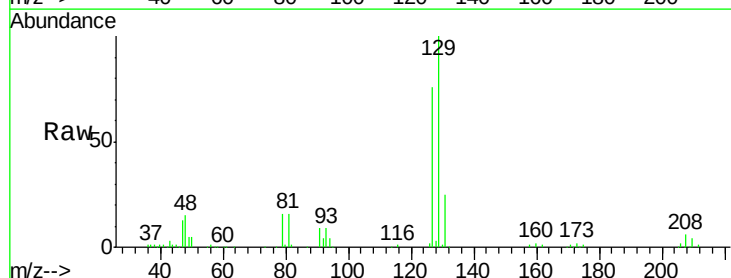
Manual Integrations
APPROVED

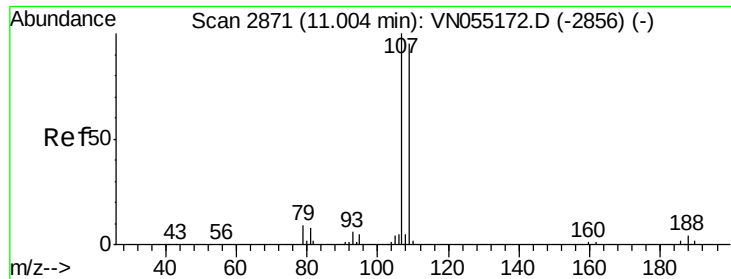
MMDadoda
4/25/2019 12:41:49 PM



#60
Dibromochloromethane
Concen: 54.074 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	129	Resp	232937
Ion Ratio	129	100	
Lower	127	77.7	39.0
Upper			117.0





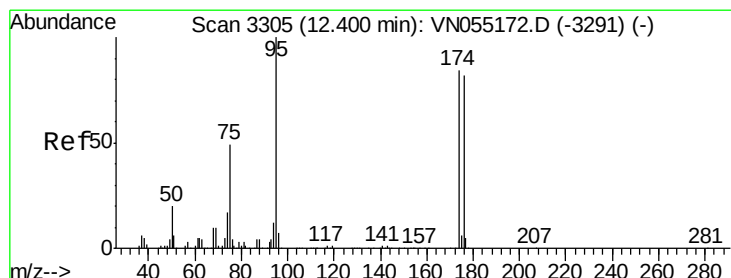
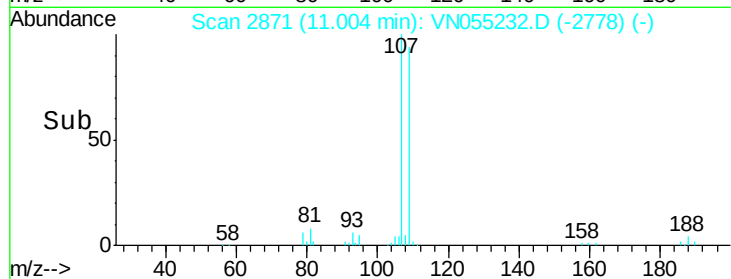
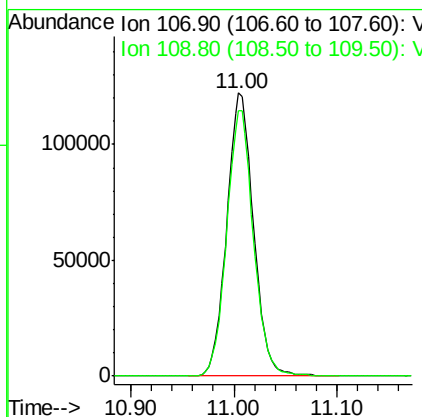
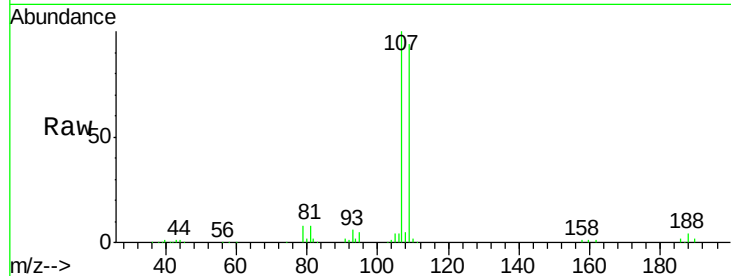
#61
 1,2-Dibromoethane
 Concen: 56.113 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	220640		
109	94.1	75.8	113.6	

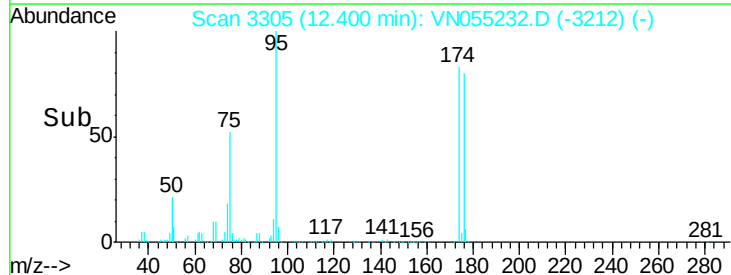
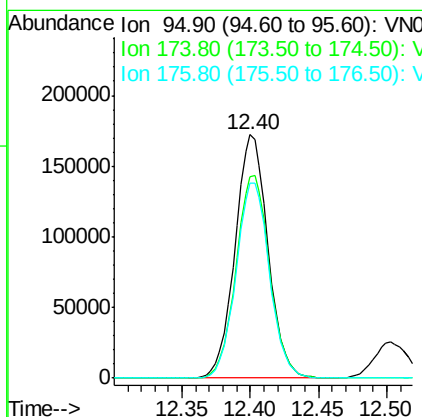
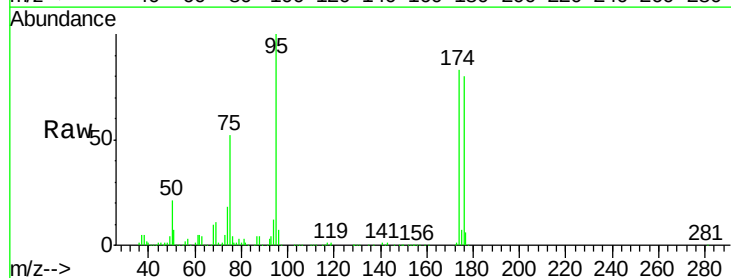
Manual Integrations
 APPROVED

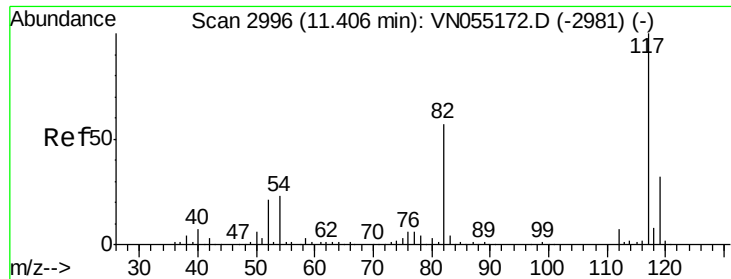
MMDadoda
 4/25/2019 12:41:49 PM



#62
 4-Bromofluorobenzene
 Concen: 53.531 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	288180		
174	84.8	0.0	168.4	
176	81.3	0.0	164.0	





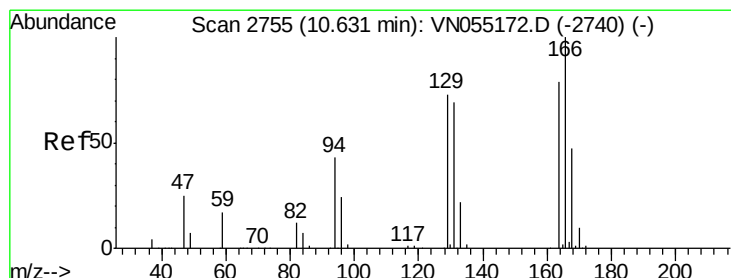
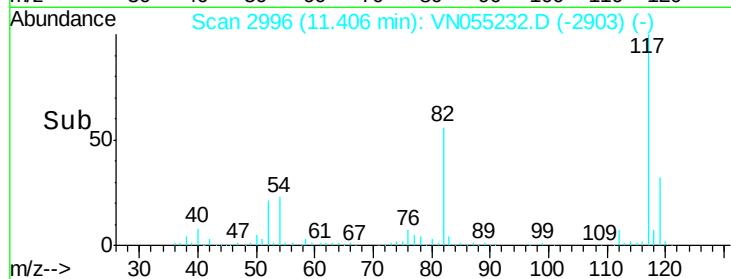
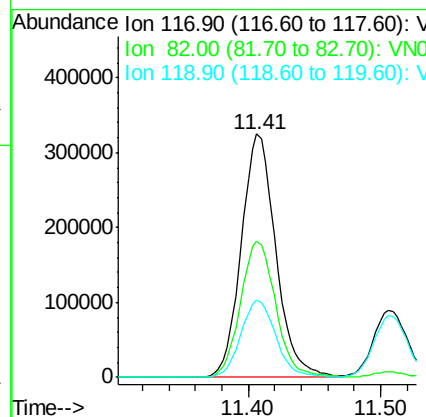
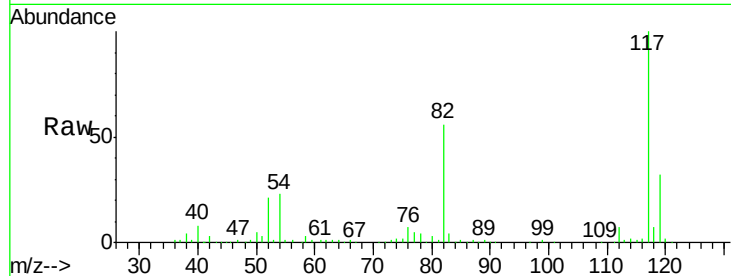
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.7	68.5
119	31.6	25.4	38.2

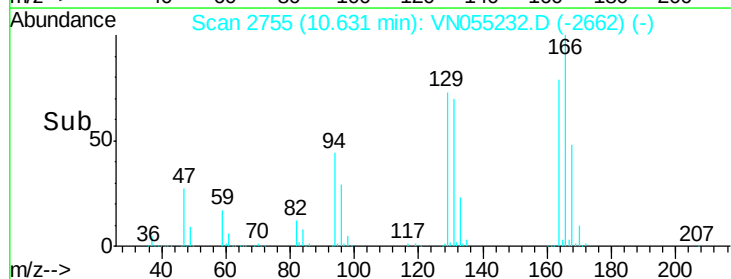
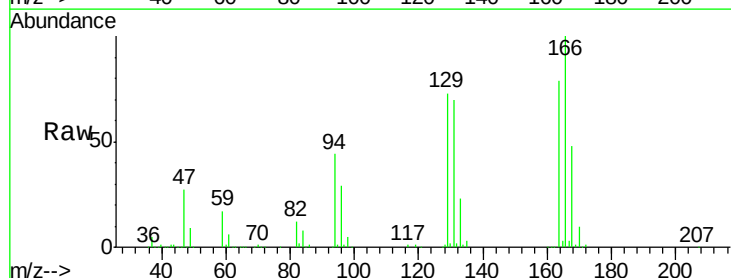
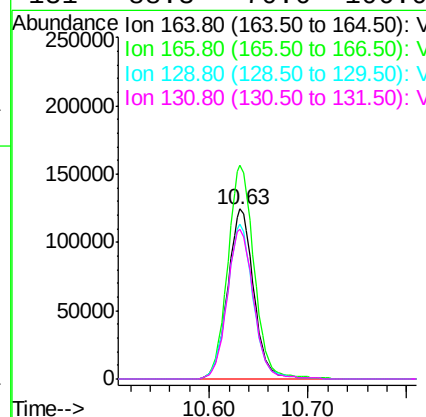
Manual Integrations
APPROVED

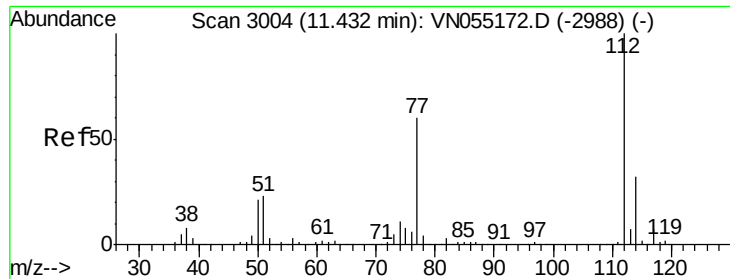
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4/25/2019 12:41:49 PM



#64
Tetrachloroethene
Concen: 47.639 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.9	152.9
129	91.6	74.1	111.1
131	88.3	70.6	106.0





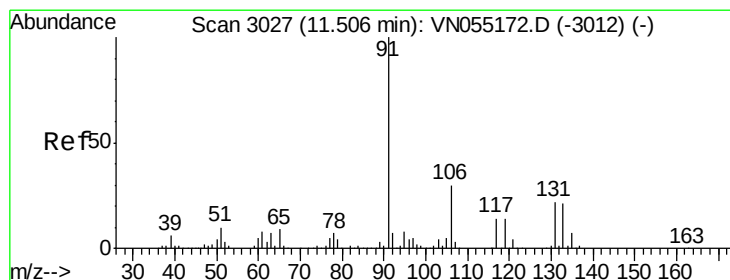
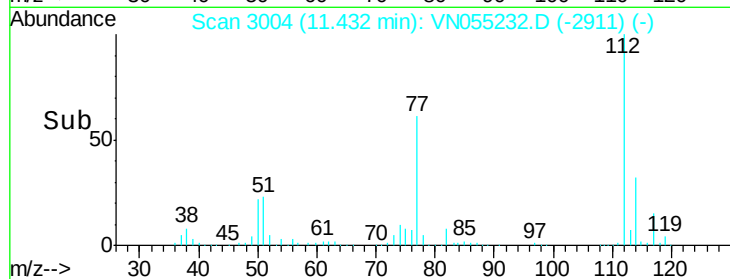
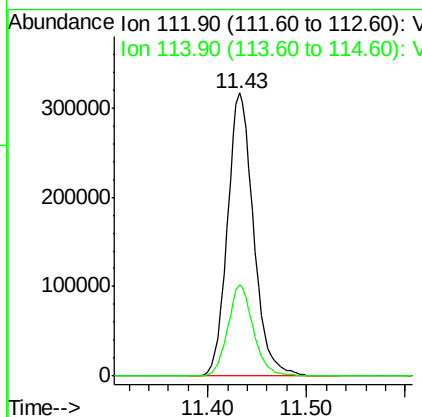
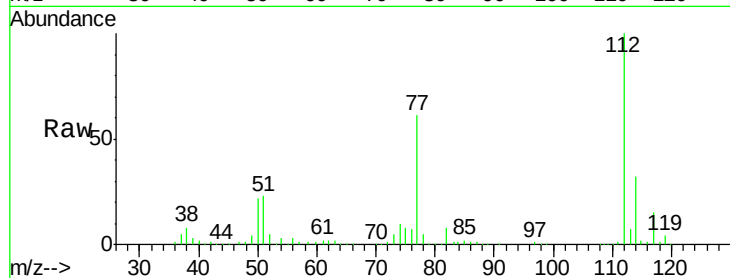
#65
Chlorobenzene
Concen: 48.622 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 584958
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

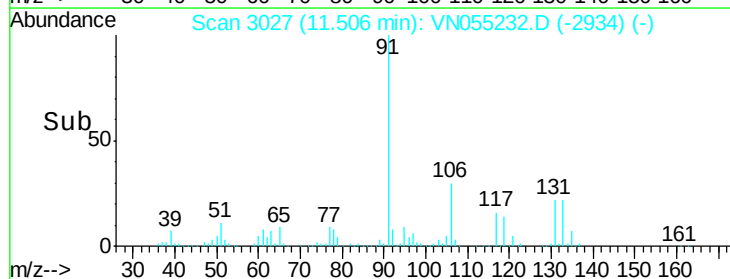
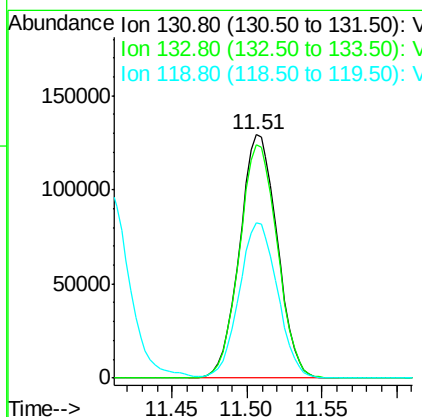
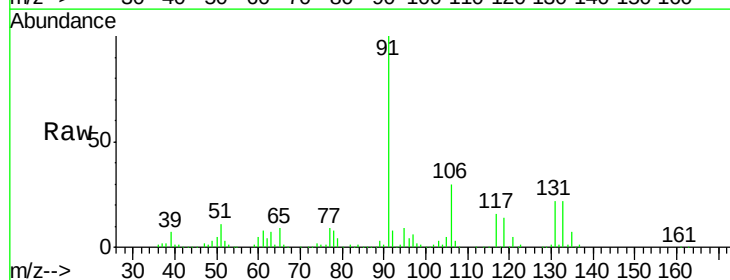
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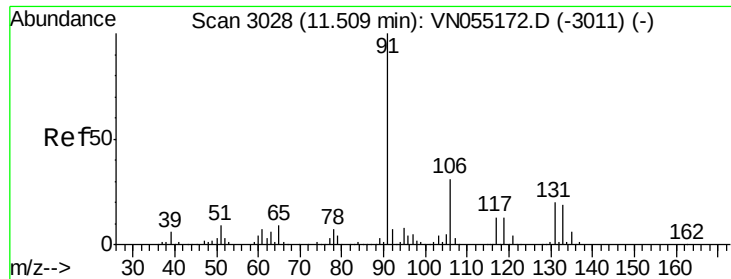
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4/25/2019 12:41:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.786 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion:131 Resp: 226451
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 64.8 33.2 99.6





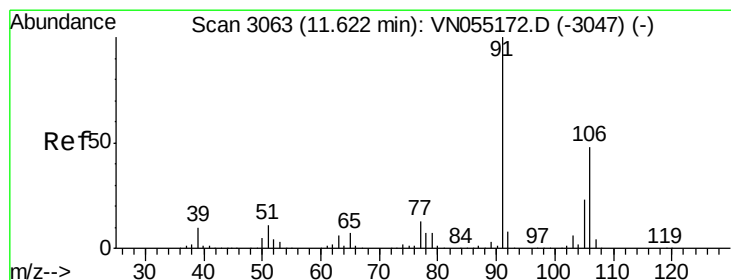
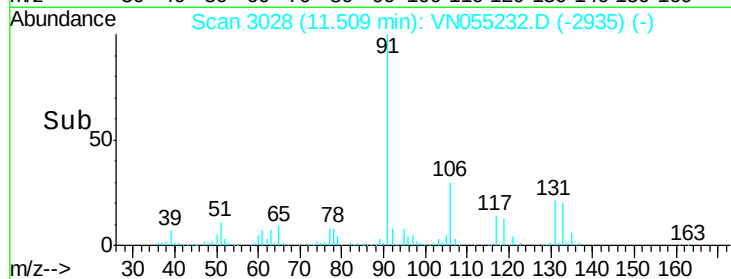
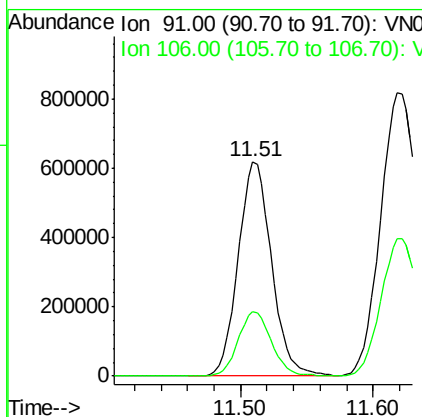
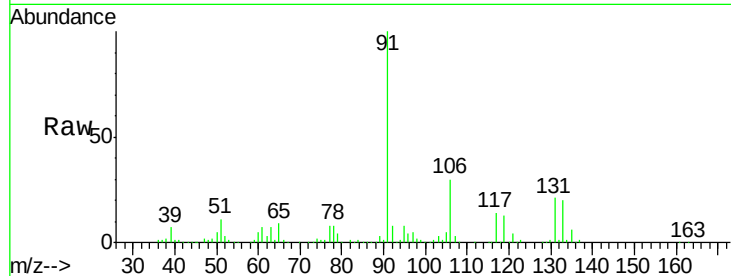
#67
Ethyl Benzene
Concen: 50.586 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1084066
Ion Ratio Lower Upper
91 100
106 30.1 24.5 36.7

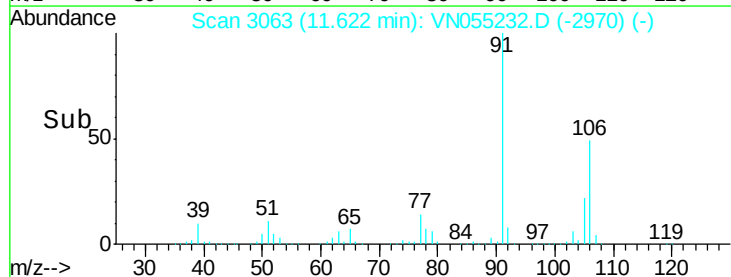
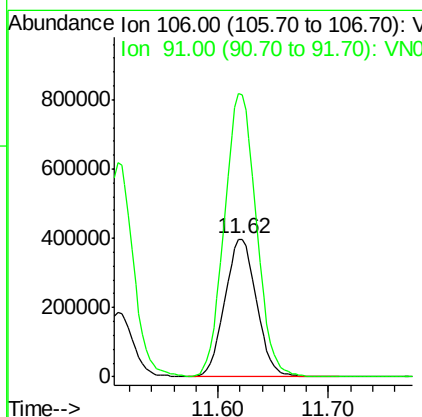
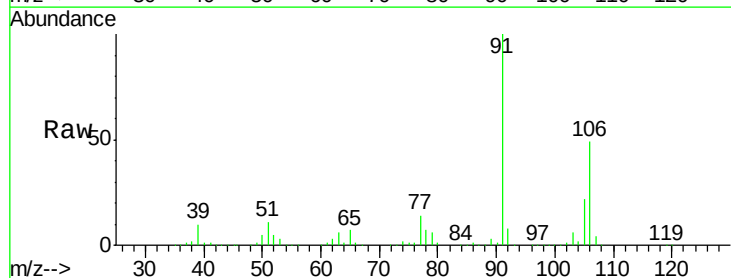
Manual Integrations
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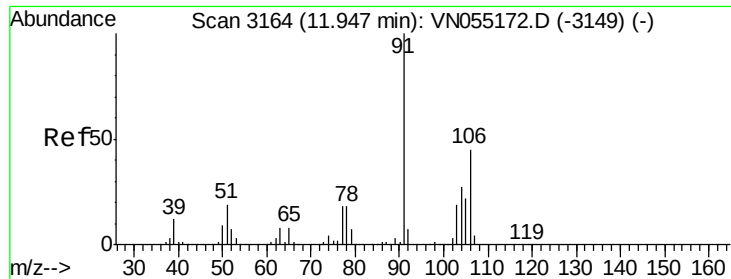
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4/25/2019 12:41:49 PM



#68
m/p-Xylenes
Concen: 103.188 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion: 106 Resp: 793118
Ion Ratio Lower Upper
106 100
91 206.7 167.1 250.7





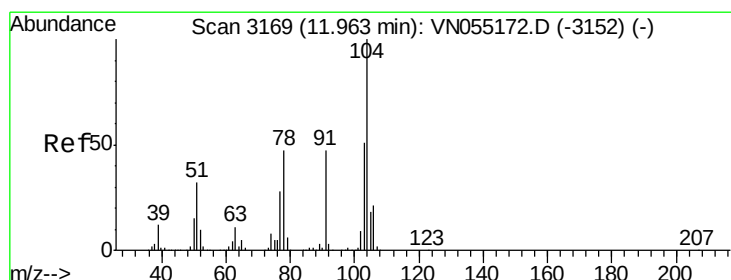
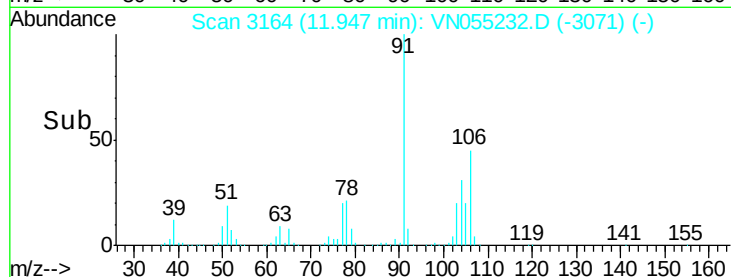
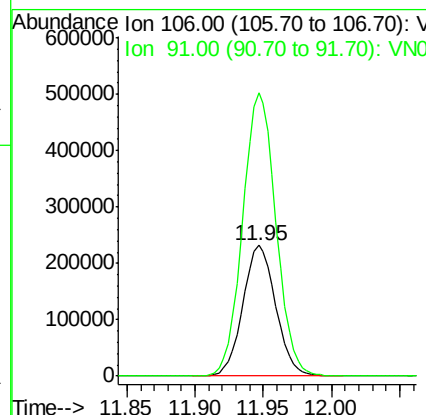
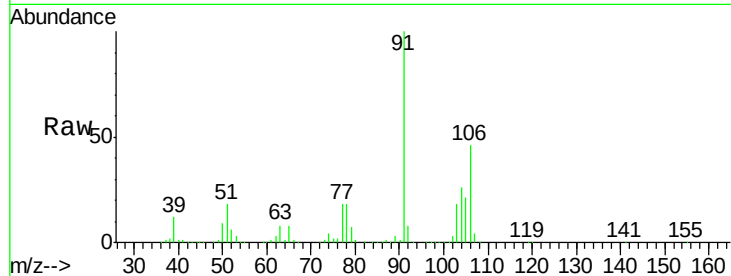
#69
o-Xylene
Concen: 50.849 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	219.3	110.6	387867	331.8	

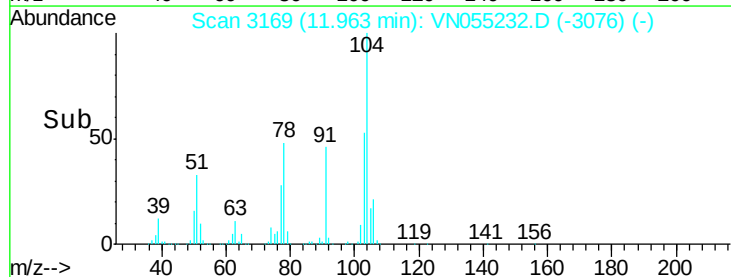
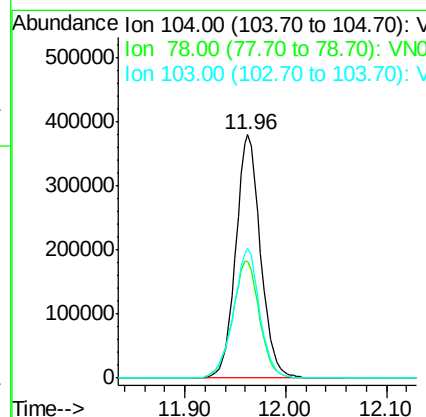
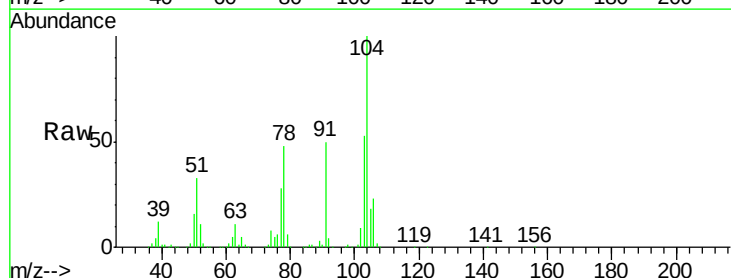
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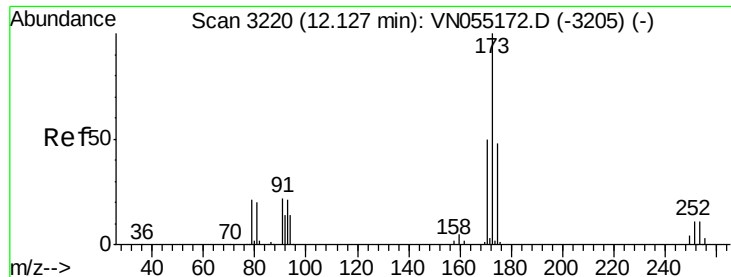
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#70
Styrene
Concen: 54.798 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	52.9	41.3	647908	61.9	
103	56.1	44.2		66.4	





#71

Bromoform

Concen: 56.577 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

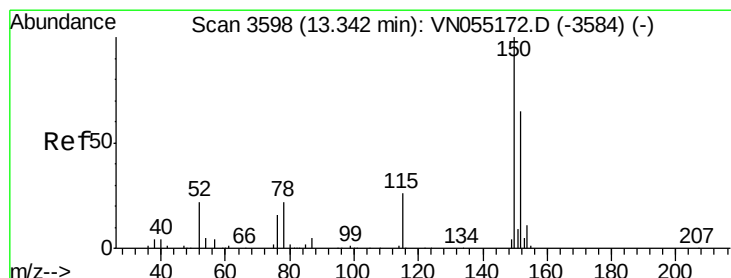
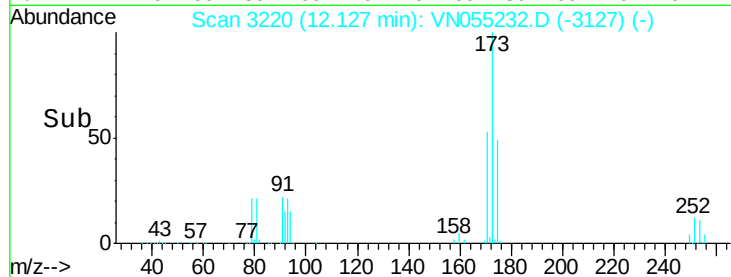
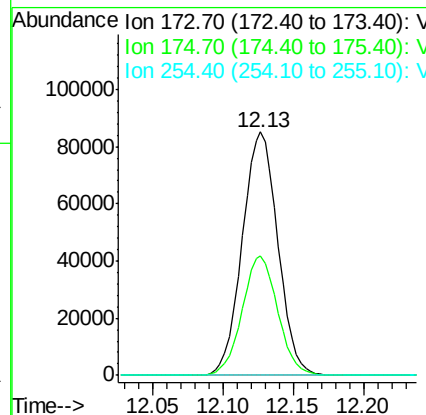
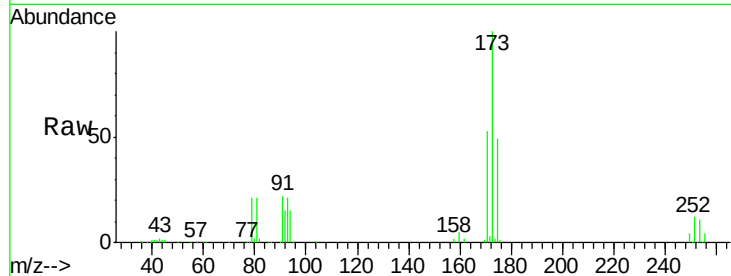
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.8	71.2
254	0.1	0.1	0.1#

Manual Integrations
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4/25/2019 12:41:49 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

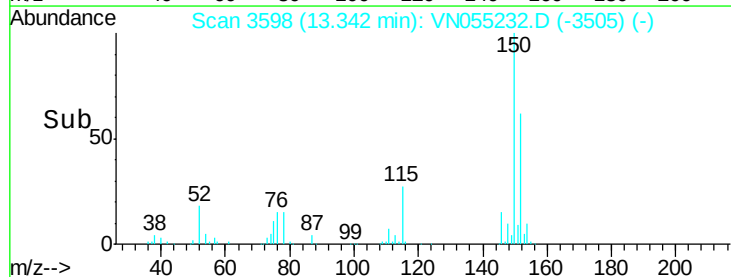
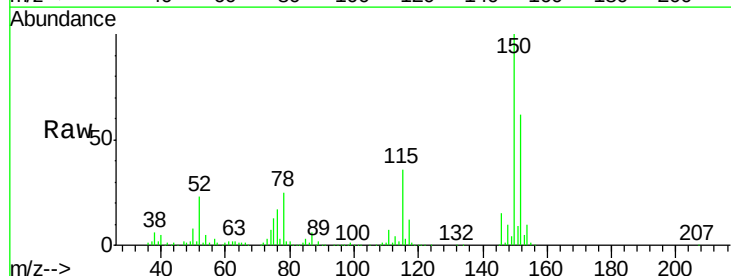
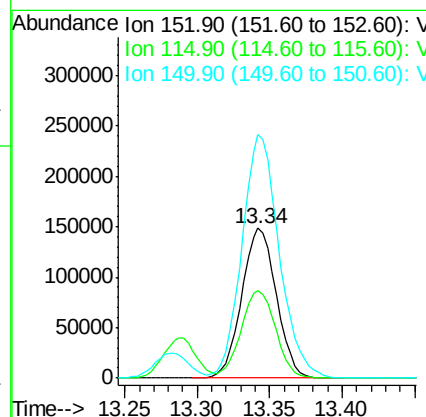
RT: 13.34 min Scan# 3598

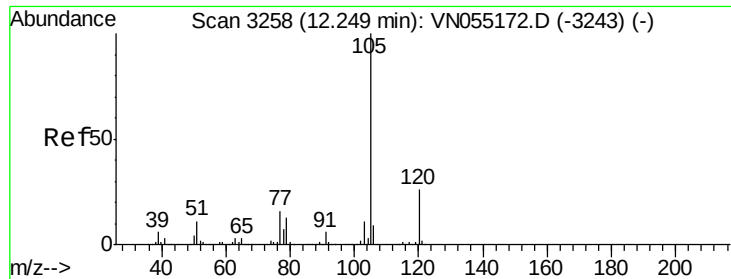
Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	175.4	0.0	346.6





#73

Isopropylbenzene

Concen: 51.589 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1017900

Ion Ratio Lower Upper

105 100

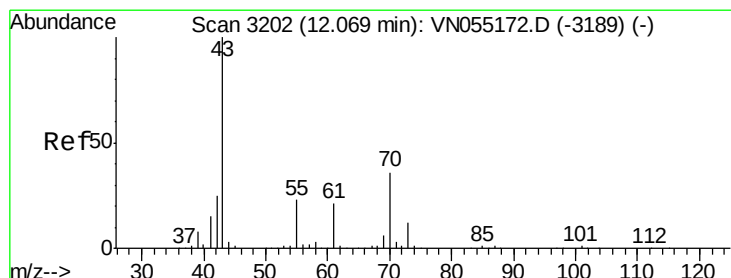
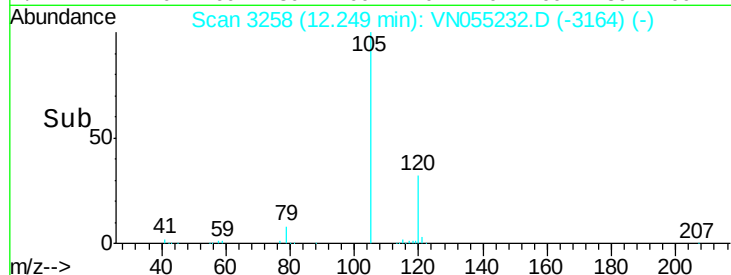
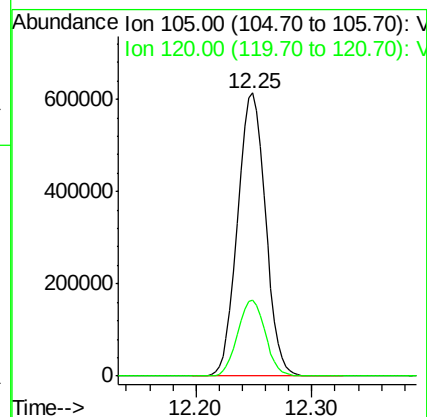
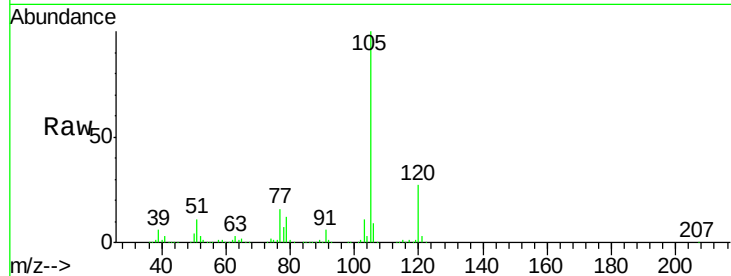
120 26.6 13.1 39.1

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4/25/2019 12:41:49 PM



#74

N-ethyl acetate

Concen: 62.710 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Tgt Ion: 43 Resp: 397572

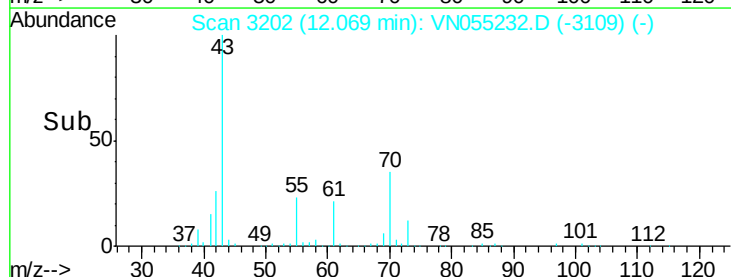
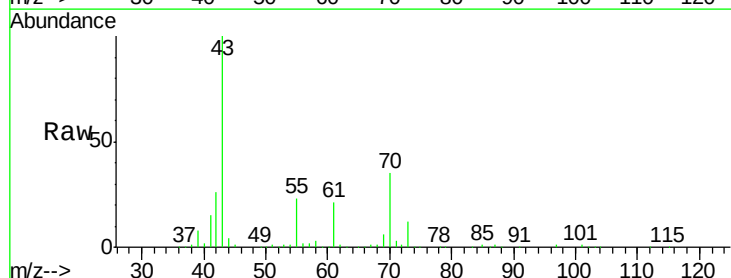
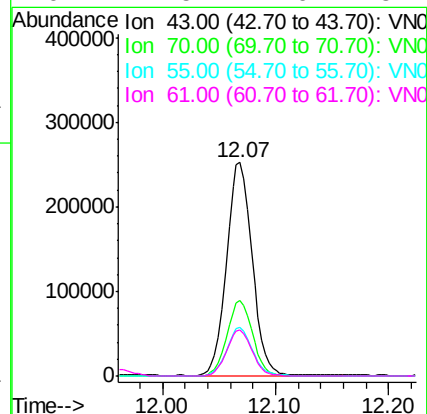
Ion Ratio Lower Upper

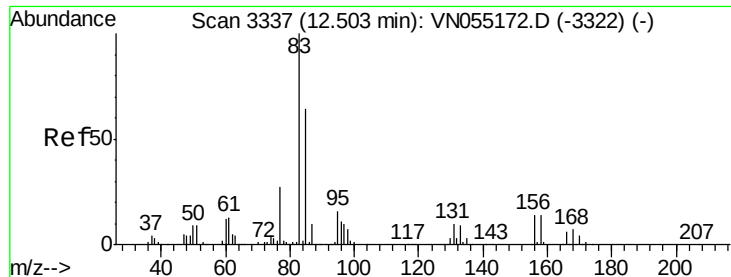
43 100

70 35.3 29.0 43.6

55 22.8 18.5 27.7

61 21.5 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 57.784 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 287038
Ion Ratio Lower Upper

83 100

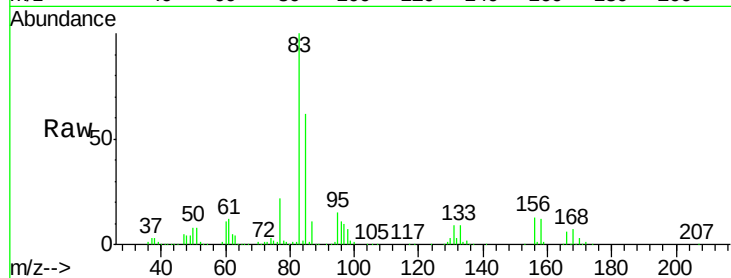
131 9.9 5.0 15.0

85 63.7 32.1 96.3

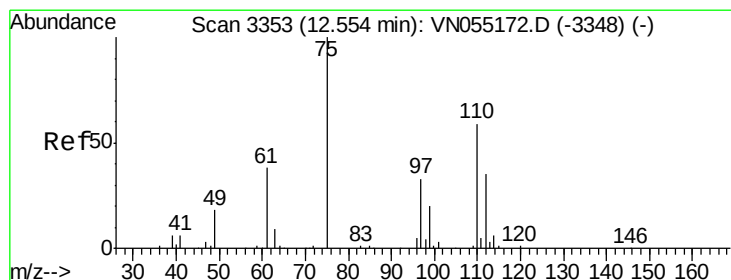
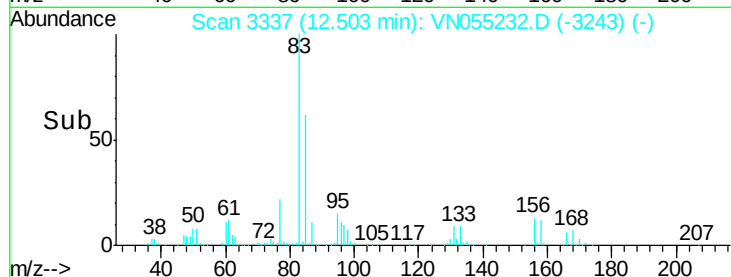
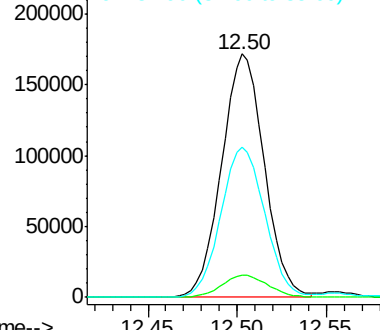
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 47.359 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

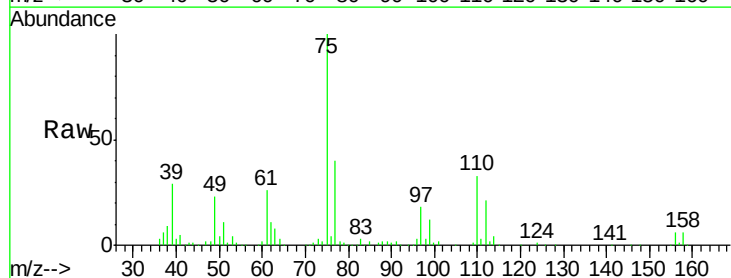
Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

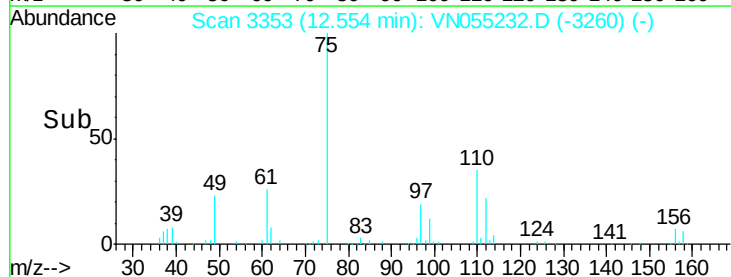
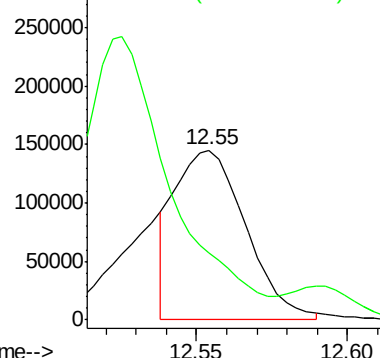
Tgt Ion: 75 Resp: 236258
Ion Ratio Lower Upper

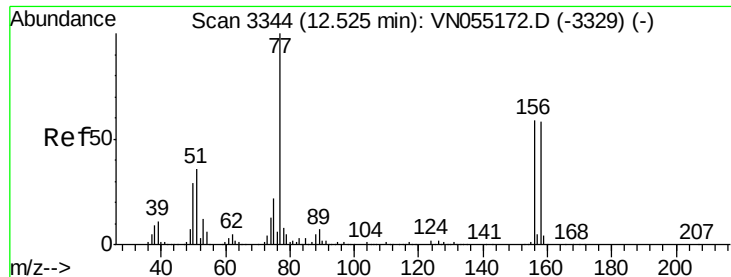
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 46.791 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

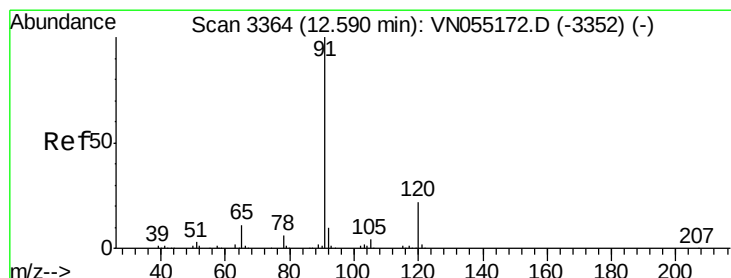
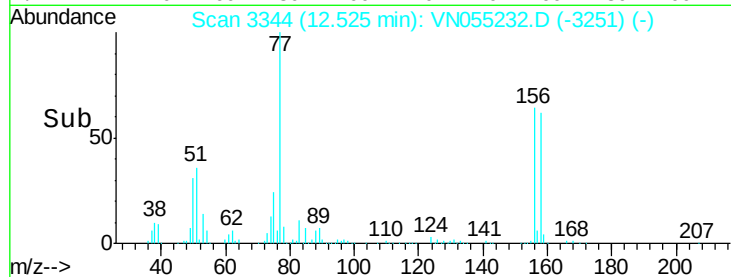
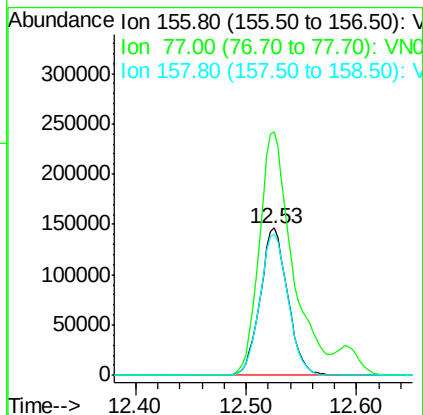
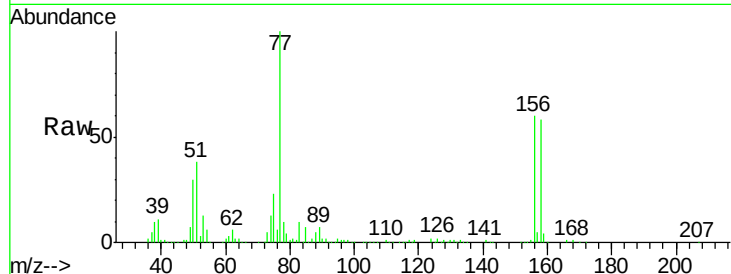
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	254012
Ion Ratio	Lower	Upper	
156	100		
77	198.6	98.0	293.9
158	97.6	48.9	146.8

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#78

n-propylbenzene

Concen: 46.678 ug/l

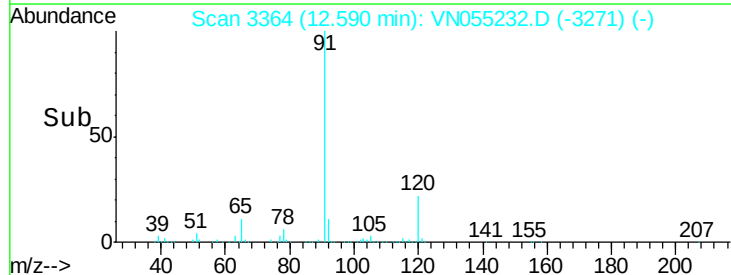
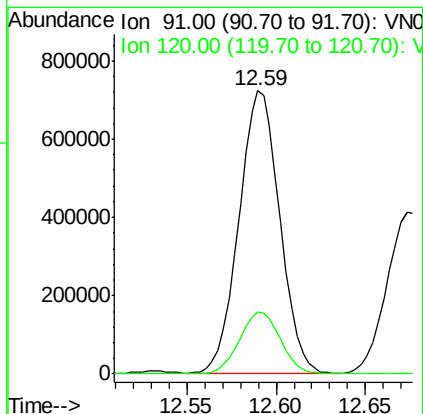
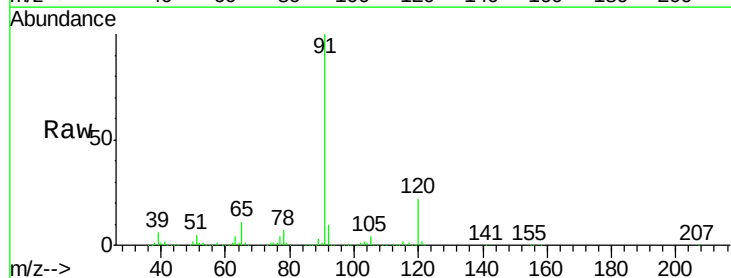
RT: 12.59 min Scan# 3364

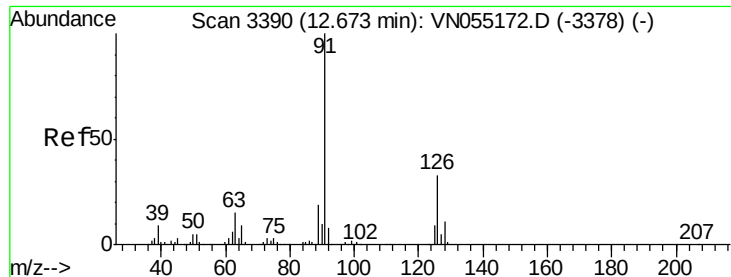
Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Tgt Ion:	91	Resp:	1151108
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.3	33.9





#79

2-Chlorotoluene

Concen: 44.691 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 695930

Ion Ratio Lower Upper

91 100

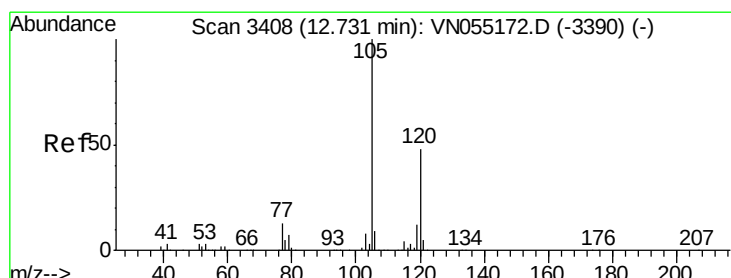
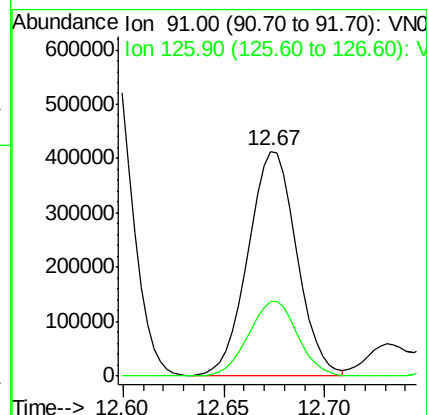
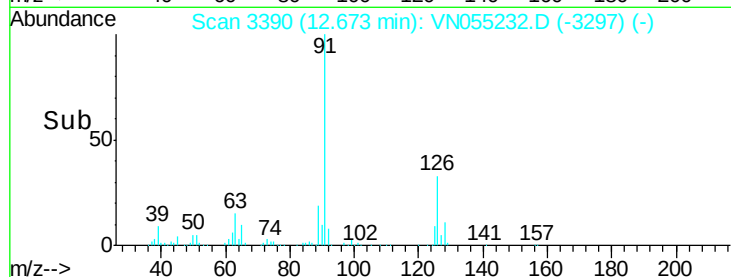
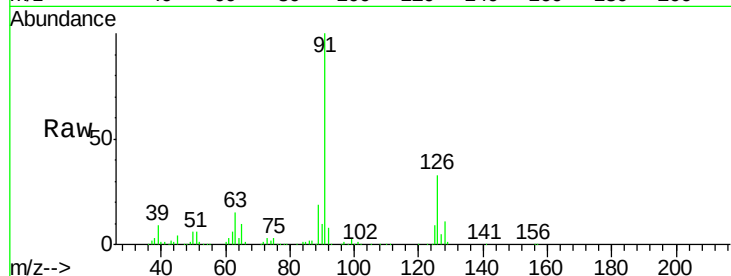
126 33.8 16.8 50.3

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#80

1,3,5-Trimethylbenzene

Concen: 46.363 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055232.D

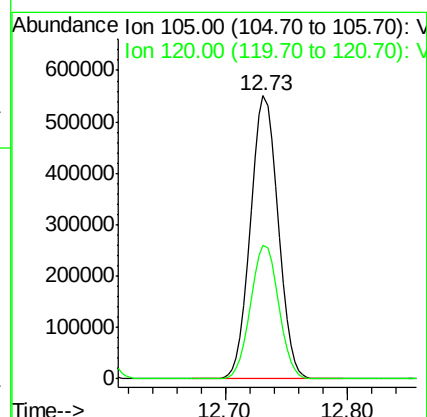
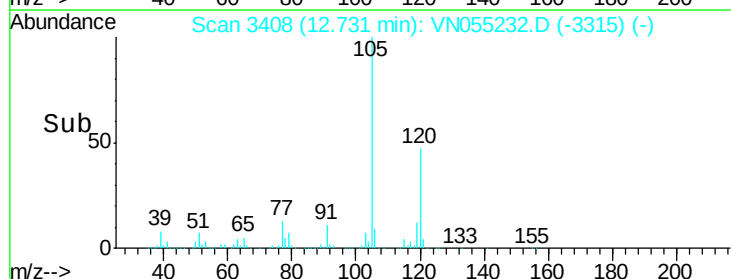
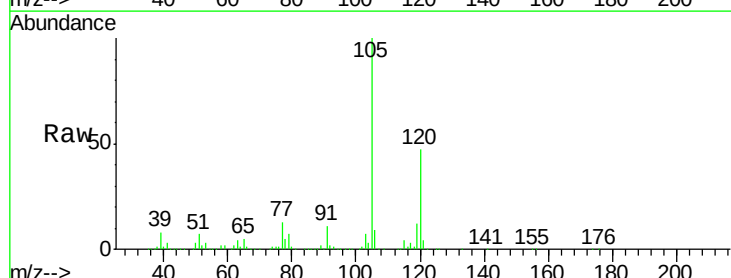
Acq: 24 Apr 2019 17:01

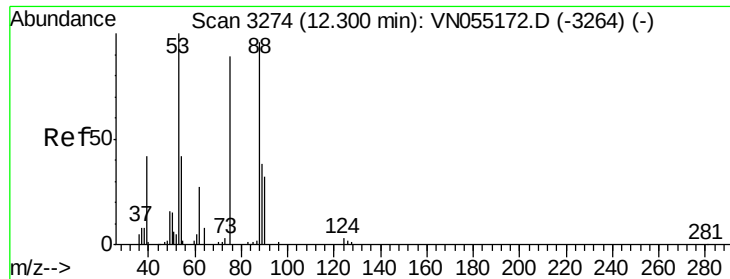
Tgt Ion: 105 Resp: 853448

Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.7





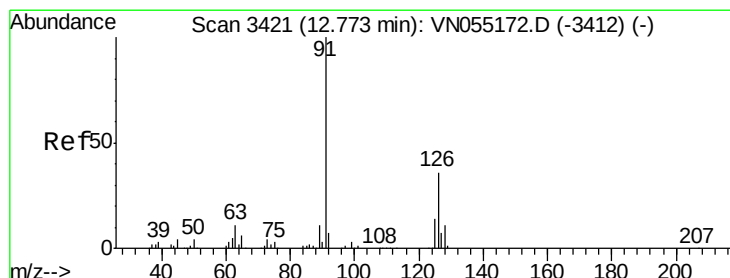
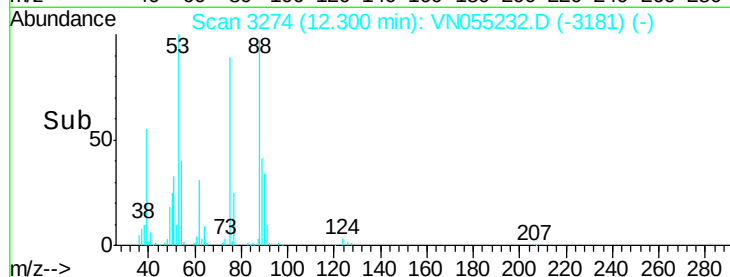
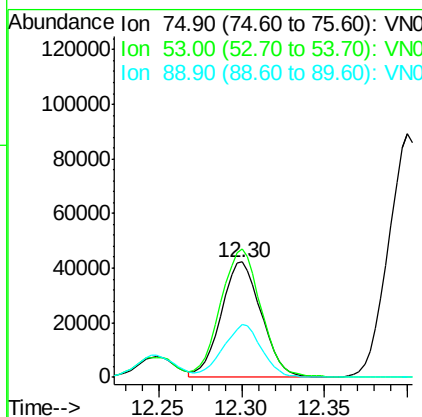
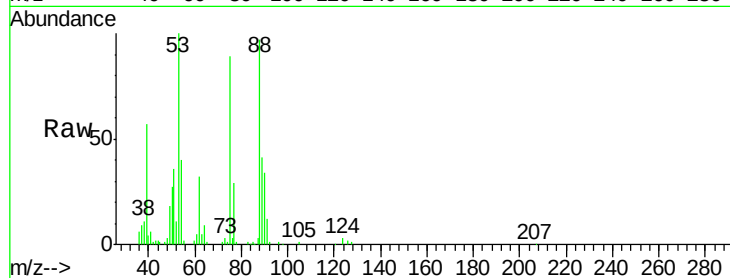
#81
trans-1,4-Dichloro-2-butene
Concen: 53.204 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.5	90.1	135.1
89	45.1	36.7	55.1

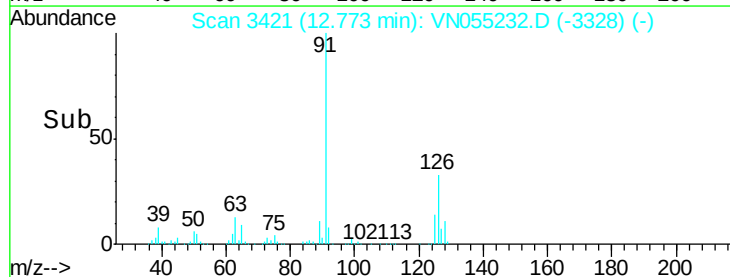
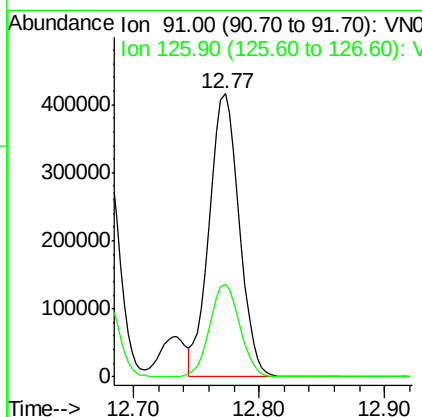
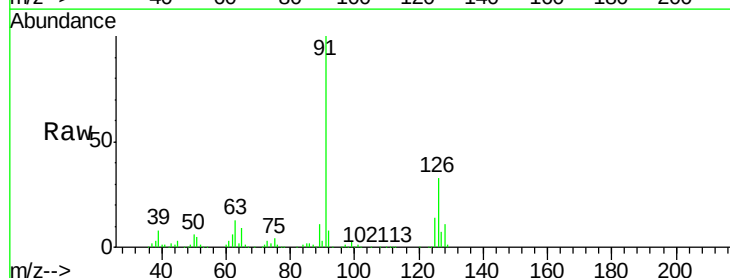
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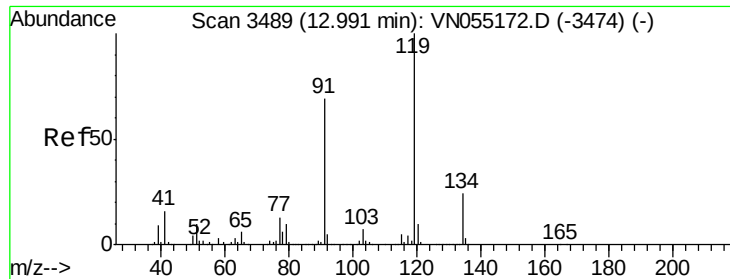
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.110 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055232.D
Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.5	49.5





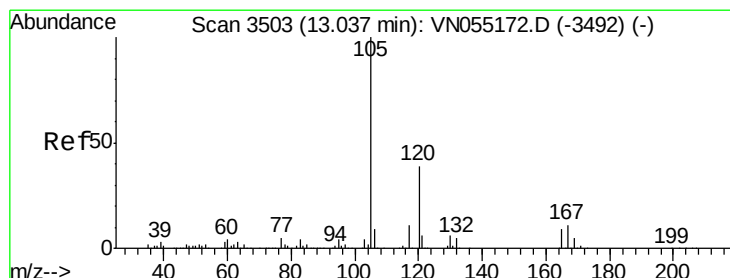
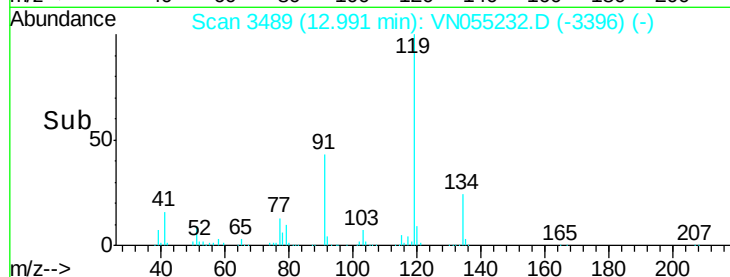
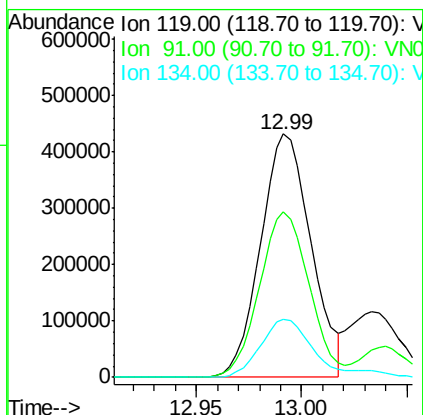
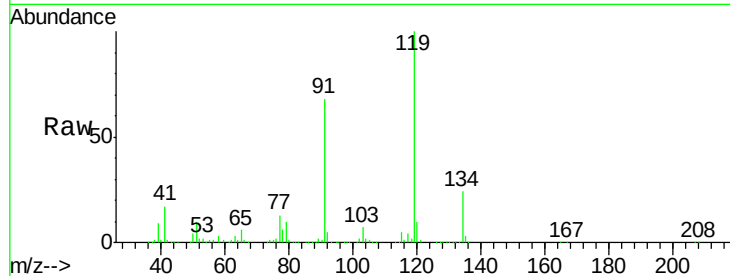
#83
 tert-Butylbenzene
 Concen: 52.116 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	33.8	101.3
134	25.8	13.2	39.5

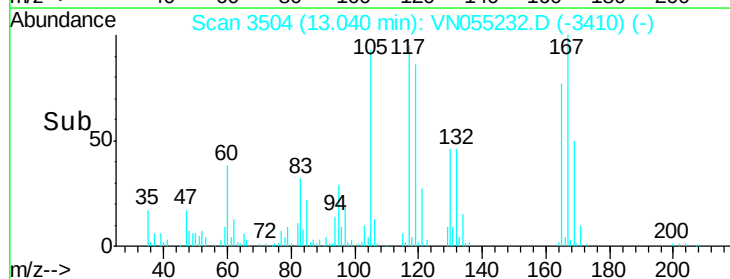
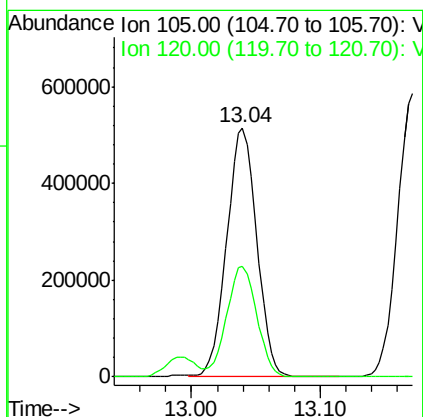
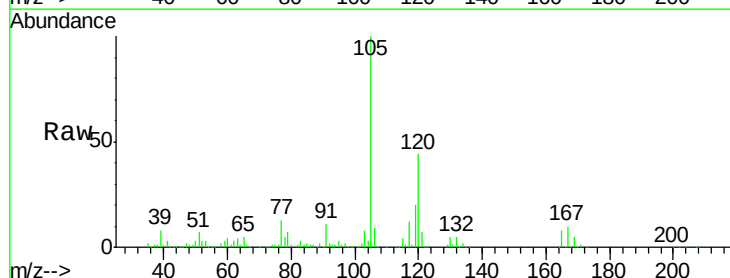
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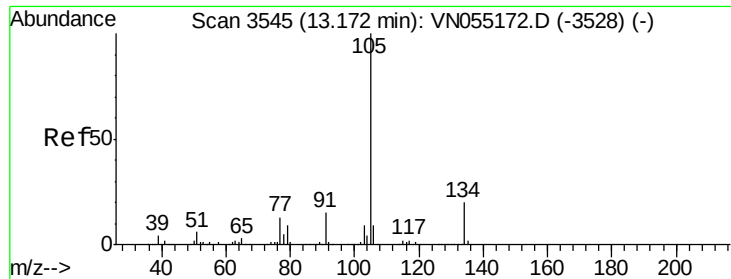
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.807 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.7	68.1





#85

sec-Butylbenzene

Concen: 44.351 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 923633

Ion Ratio Lower Upper

105 100

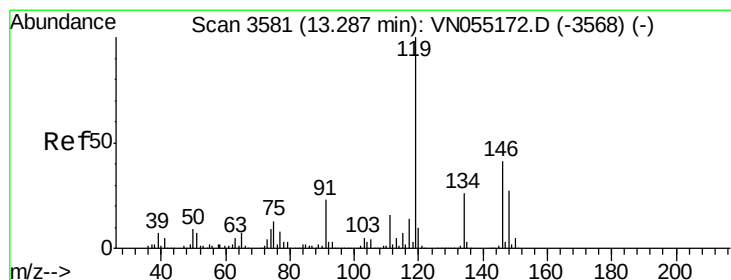
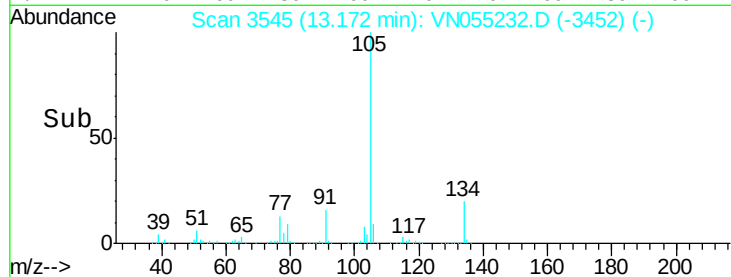
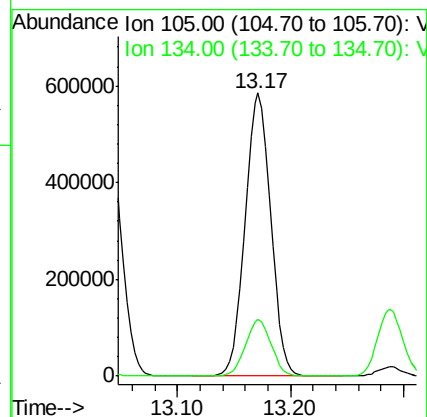
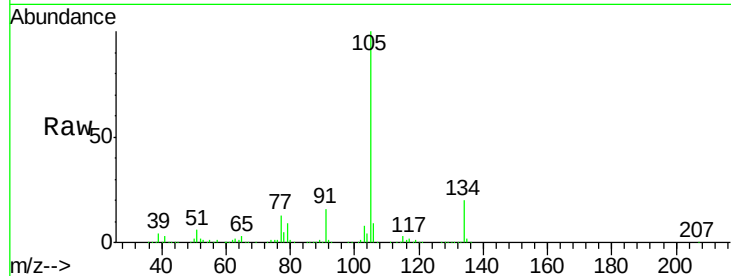
134 19.9 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.799 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

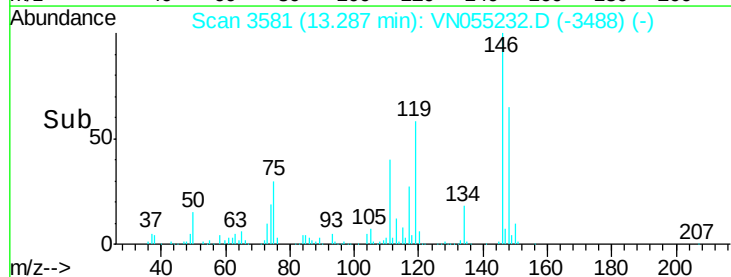
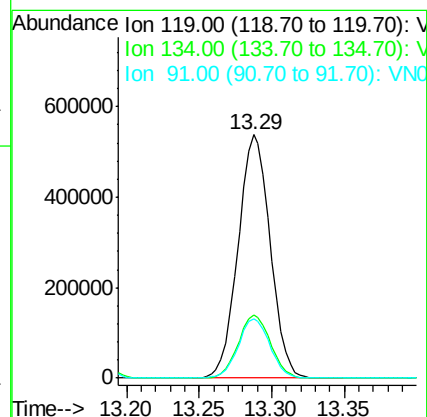
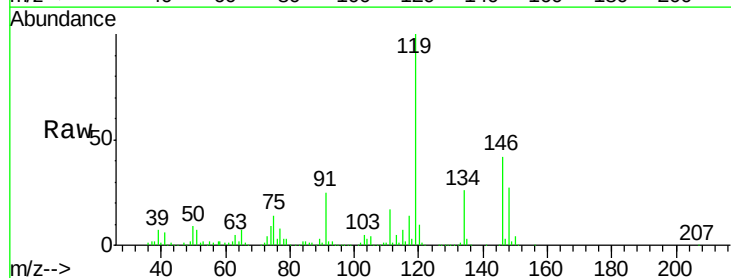
Tgt Ion:119 Resp: 820106

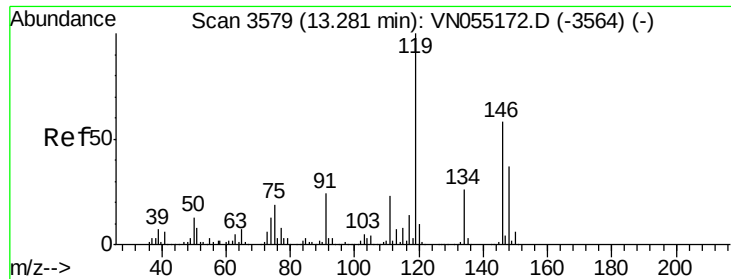
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.1 11.8 35.3





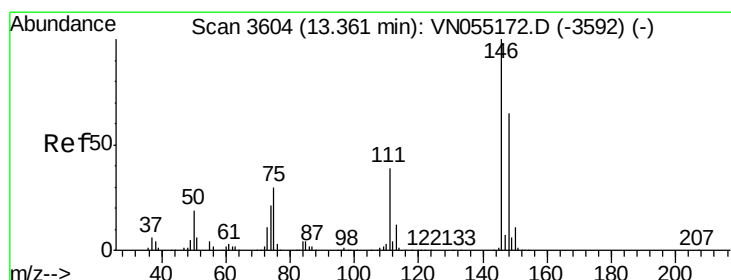
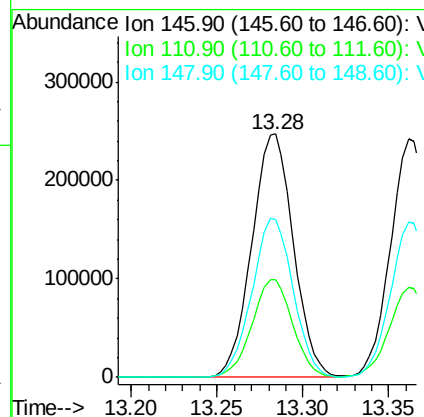
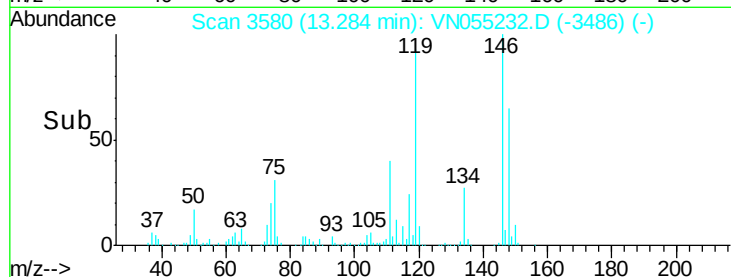
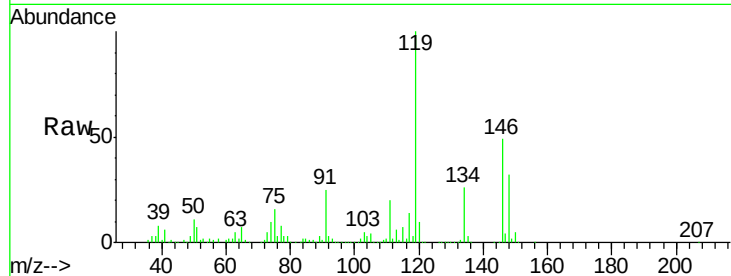
#87
 1,3-Dichlorobenzene
 Concen: 49.637 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	64.7	32.0	96.0

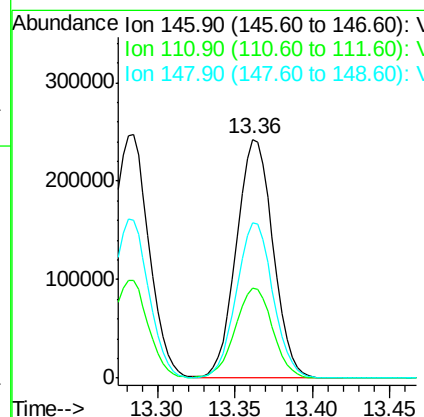
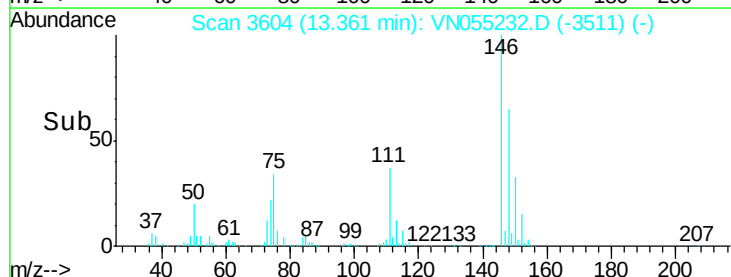
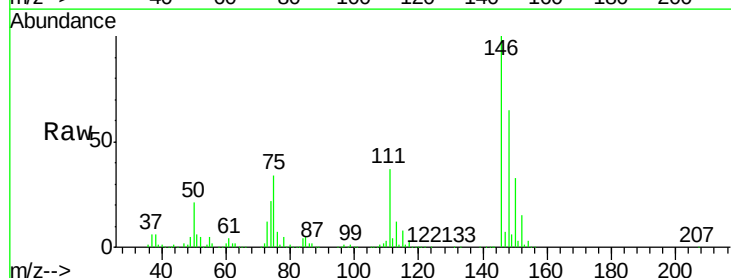
Manual Integrations
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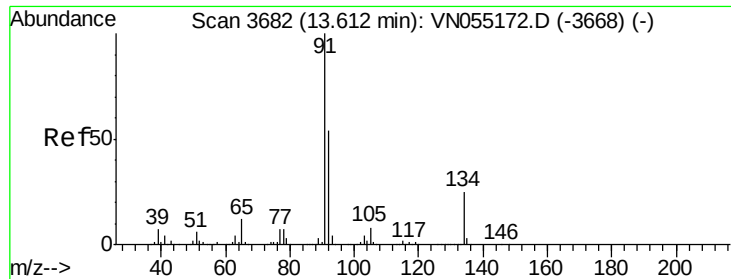
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#88
 1,4-Dichlorobenzene
 Concen: 49.214 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	64.8	32.9	98.6





#89

n-Butylbenzene

Concen: 51.832 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

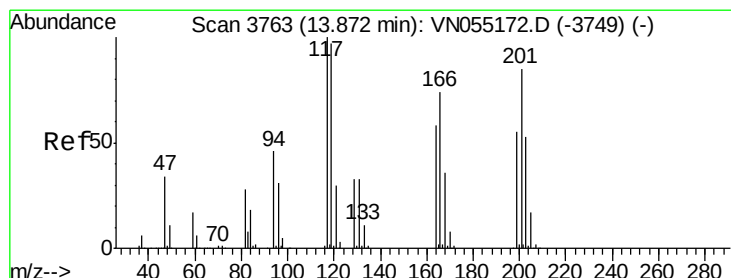
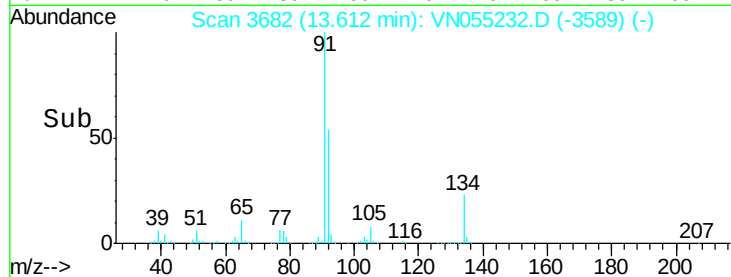
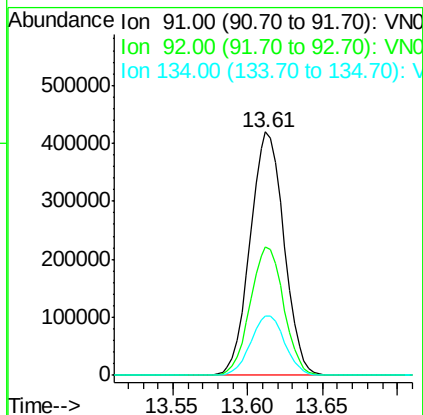
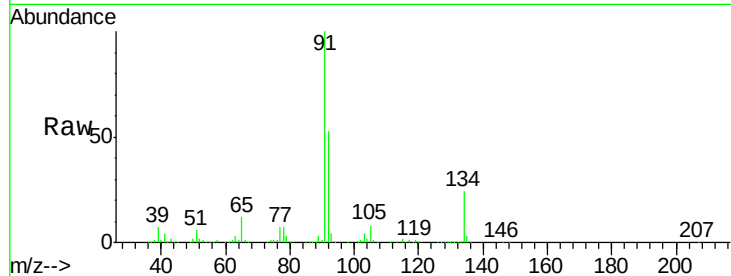
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	659168
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	24.6	12.8	38.4

Manual Integrations
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#90

Hexachloroethane

Concen: 44.024 ug/l

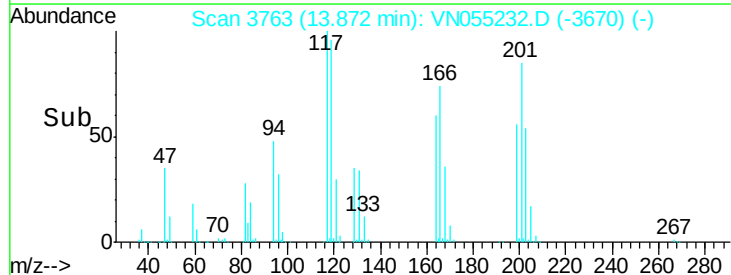
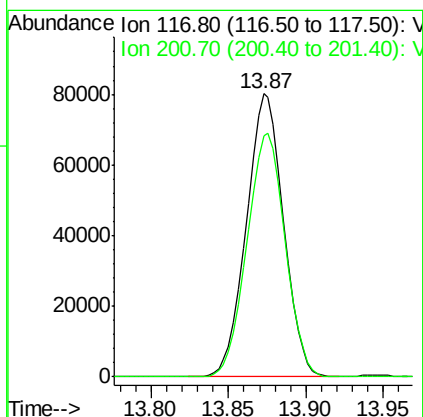
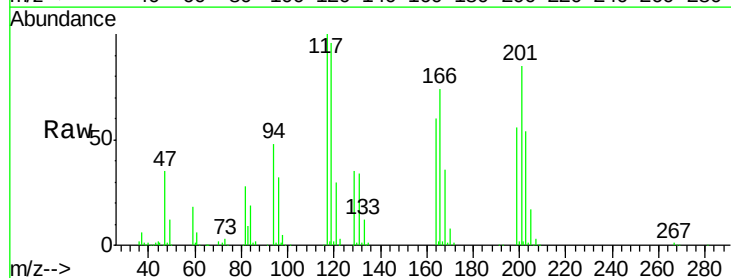
RT: 13.87 min Scan# 3763

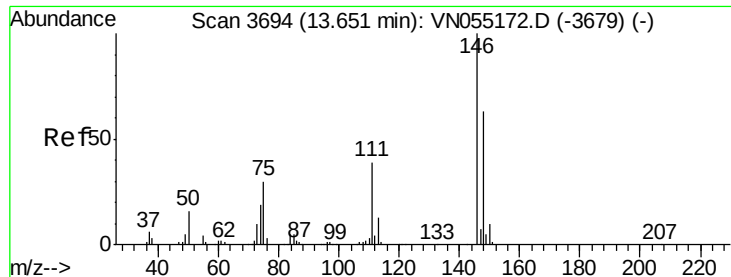
Delta R.T. -0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Tgt Ion:	117	Resp:	133961
Ion	Ratio	Lower	Upper
117	100		
201	88.3	43.1	129.4





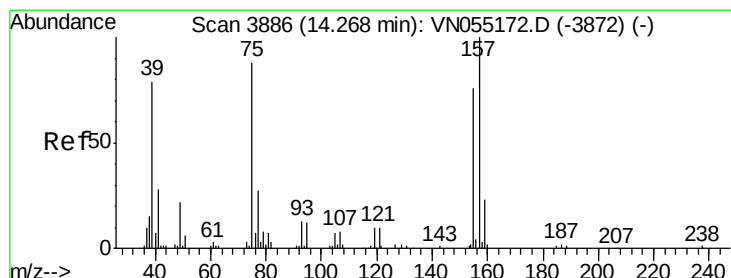
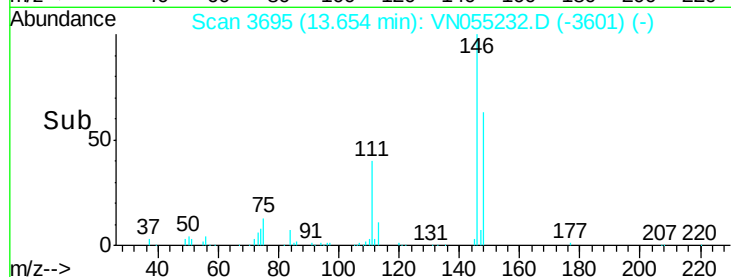
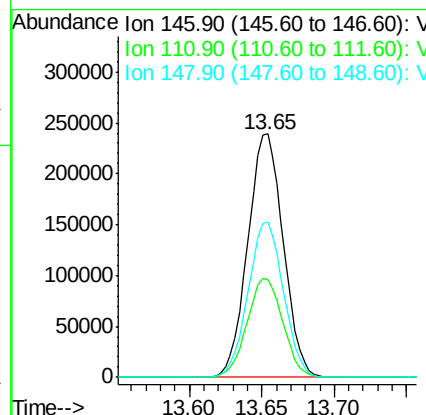
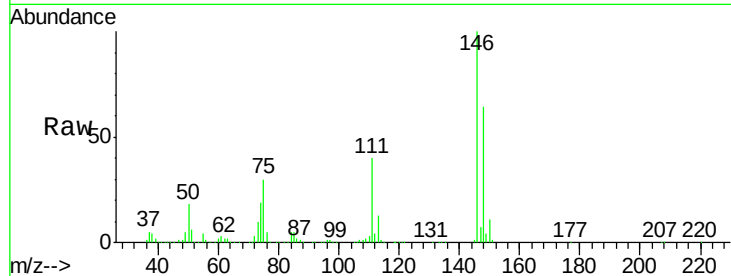
#91
 1,2-Dichlorobenzene
 Concen: 47.686 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.8	59.3
148	63.5	31.7	95.1

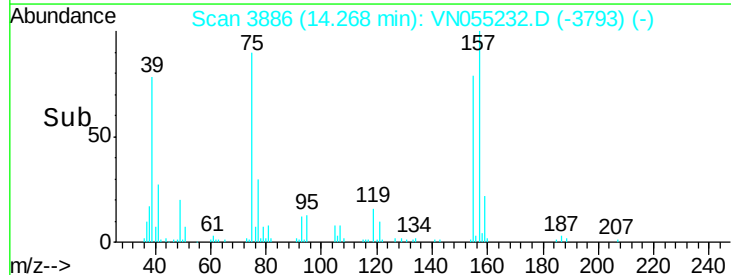
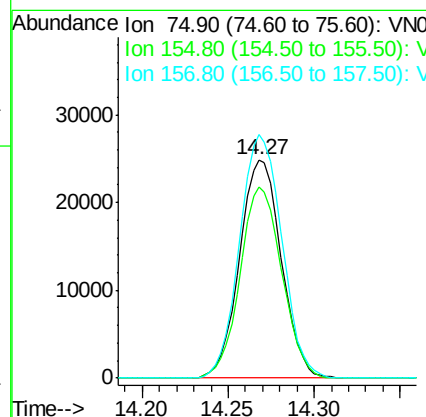
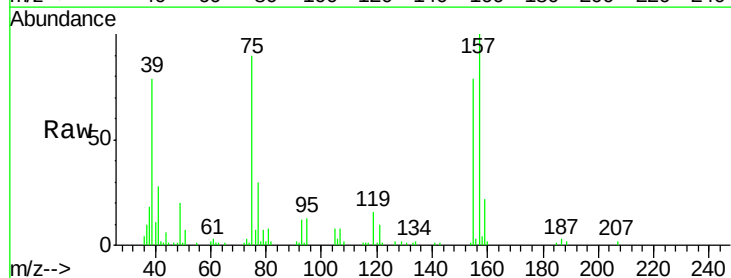
Manual Integrations
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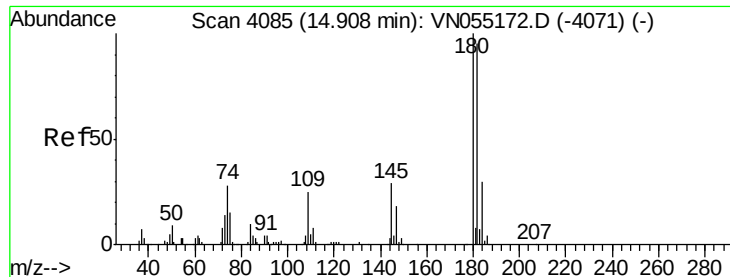
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.210 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	43.0	129.0
157	113.2	55.7	167.1





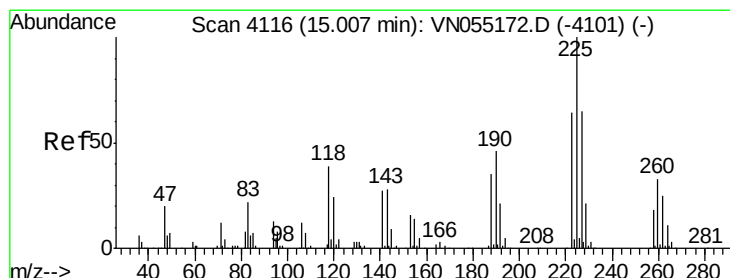
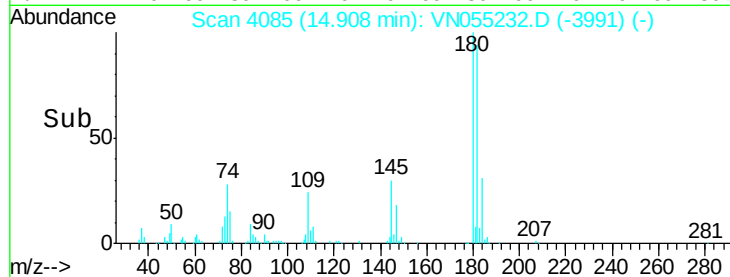
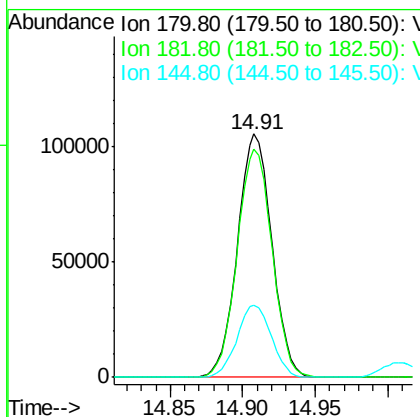
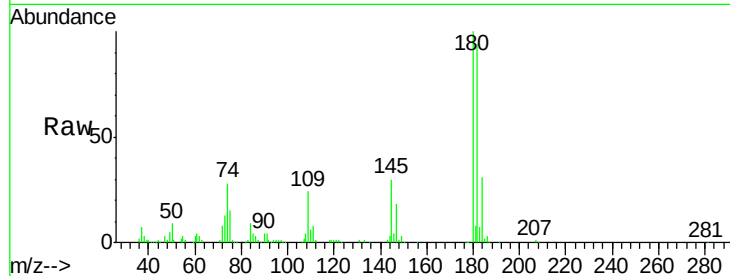
#93
 1,2,4-Trichlorobenzene
 Concen: 48.192 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	173892		
182	95.2	47.8	143.4	
145	29.7	14.5	43.5	

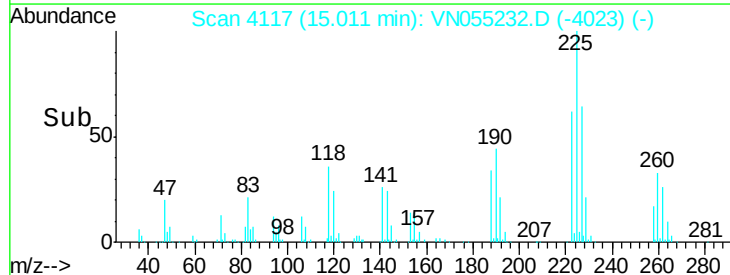
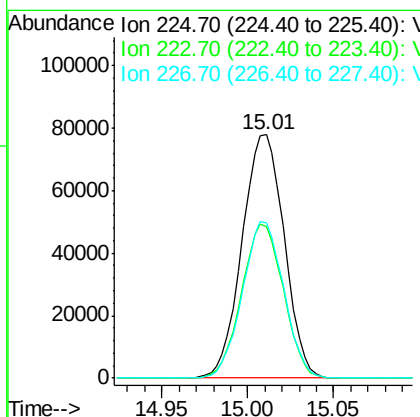
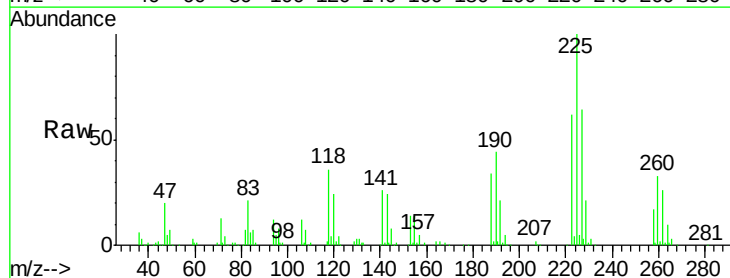
Manual Integrations
 APPROVED

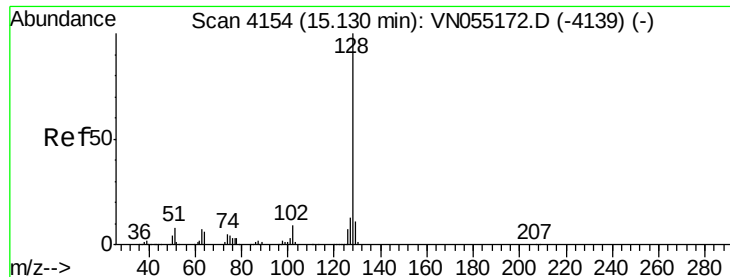
MMDadoda
 4/25/2019 12:41:49 PM



#94
 Hexachlorobutadiene
 Concen: 53.206 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055232.D
 Acq: 24 Apr 2019 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132200		
223	62.8	32.2	96.6	
227	63.1	32.6	98.0	





#95

Naphthalene

Concen: 53.425 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Instrument :

MSVOA_N

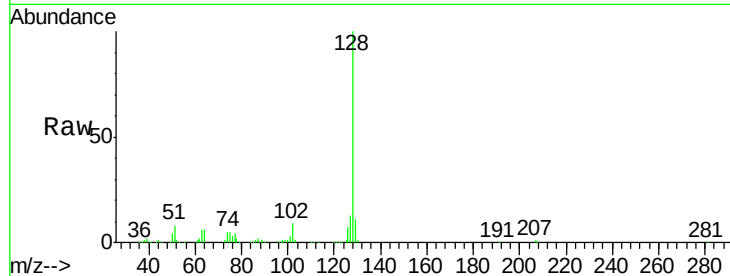
ClientSampleId :

VSTDCCC050EC

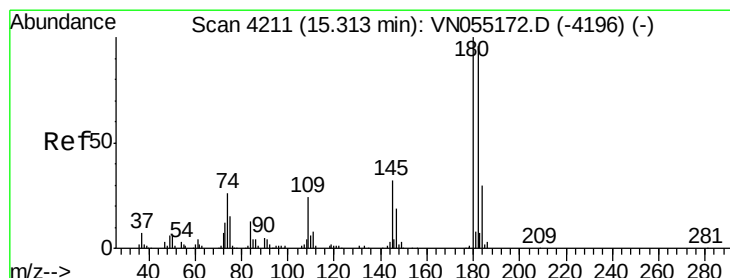
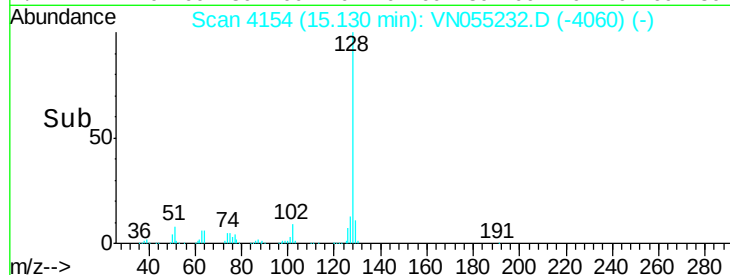
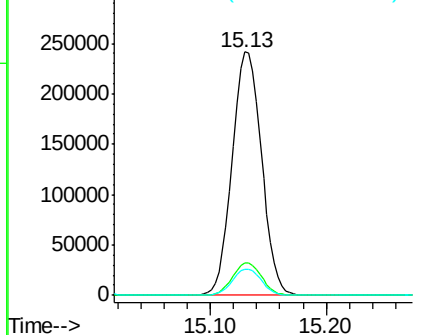
Tot Ion:	128	Resp:	424295
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:41:49 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 49.967 ug/l

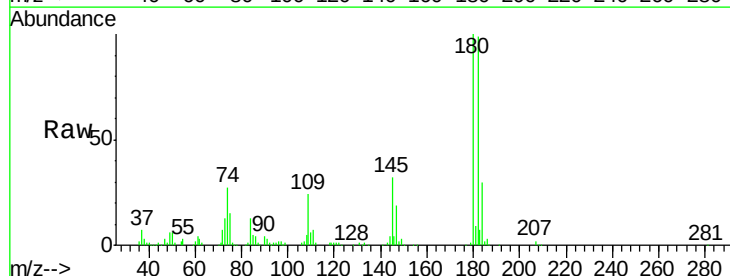
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055232.D

Acq: 24 Apr 2019 17:01

Tgt Ion:	180	Resp:	179445
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.2	141.6
145	29.9	15.4	46.1



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

