

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056085.D
 Acq On : 7 Jun 2019 8:48
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 3:31:09 PM

Quant Time: Jun 07 10:02:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	51947	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	283368	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	247832	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	100712	31.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.07%
60) 4-Bromofluorobenzene	12.40	95	108246	29.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.23%
63) Toluene-d8	10.09	98	340818	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	65183	22.310	ug/l 99
3) Chloromethane	2.06	50	71860	21.051	ug/l 99
4) Vinyl Chloride	2.18	62	72263	20.762	ug/l 100
5) Bromomethane	2.54	94	49620	22.685	ug/l 100
6) Chloroethane	2.69	64	41659	21.161	ug/l 98
7) Trichlorofluoromethane	3.01	101	89182	20.710	ug/l 100
8) Diethyl Ether	3.40	74	36241	19.843	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57368	21.581	ug/l 99
10) 1,1-Dichloroethene	3.72	96	55306	20.396	ug/l 96
11) Methyl Iodide	3.94	142	70877	16.567	ug/l 98
12) Methyl Acetate	4.32	43	62912	19.307	ug/l 99
13) Acrolein	3.60	56	17429	109.740	ug/l 99
14) Acrylonitrile	4.99	53	139852	96.242	ug/l 98
15) Acetone	3.82	58	62529	131.420	ug/l 95
16) Carbon Disulfide	4.04	76	118786	18.411	ug/l 100
17) Allyl chloride	4.31	41	82401	19.613	ug/l 100
18) Methylene Chloride	4.54	84	62993	20.066	ug/l 95
19) trans-1,2-Dichloroethene	5.03	96	58298	20.141	ug/l 96
20) Diisopropyl ether	5.95	45	174843	20.086	ug/l 98
21) 1,1-Dichloroethane	5.84	63	102220	20.207	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	67606	20.012	ug/l 97
23) tert-Butyl Alcohol	4.81	59	52881	93.493	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	170508	19.731	ug/l 99
25) Chloroform	7.37	83	102293	20.250	ug/l 99
26) Cyclohexane	7.65	56	96502	20.562	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	78149	20.388	ug/l 99
30) 2-Butanone	6.84	43	214585	106.341	ug/l 99
31) 2,2-Dichloropropane	6.82	77	74908	21.007	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	84560	19.967	ug/l 99
33) Carbon Tetrachloride	7.77	117	68905	19.205	ug/l 99
34) Benzene	8.04	78	246403	20.176	ug/l 99
35) Methacrylonitrile	7.19	41	39359m	23.098	ug/l
36) 1,2-Dichloroethane	8.12	62	76483	19.993	ug/l 99
37) Trichloroethene	8.83	130	69034	20.200	ug/l 99
38) Methylcyclohexane	9.08	83	99801	20.538	ug/l 99
39) 1,2-Dichloropropane	9.12	63	63619	20.339	ug/l 97
40) Dibromomethane	9.21	93	41099	19.817	ug/l 98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	70147	18.889	ug/l	99
42) Vinyl Acetate	5.89	43	711171	98.855	ug/l	99
43) Ethyl Acetate	6.93	43	73677	19.078	ug/l	95
44) Isopropyl Acetate	8.17	43	112475	18.757	ug/l	100
45) 1,4-Dioxane	9.20	88	24974	389.341	ug/l	94
46) Methyl methacrylate	9.20	41	54312	18.233	ug/l	96
47) n-amyl Acetate	12.07	43	89582	18.065	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	69916	17.890	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	85837	18.756	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	61091	19.832	ug/l	99
51) Ethyl methacrylate	10.43	69	86396	18.539	ug/l	97
52) 1,3-Dichloropropane	10.71	76	98019	19.628	ug/l	99
53) Dibromochloromethane	10.90	129	54356	18.026	ug/l	96
54) 1,2-Dibromoethane	11.00	107	60564	18.841	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	152087	93.170	ug/l	99
56) Bromoform	12.13	173	36306	16.643	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	362170	96.507	ug/l	99
59) 2-Hexanone	10.75	43	273364	101.914	ug/l	100
61) Tetrachloroethene	10.63	164	71450	20.686	ug/l	97
62) Toluene	10.15	91	265624	19.854	ug/l	99
64) Chlorobenzene	11.43	112	161899	19.950	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	55995	19.135	ug/l	98
66) Ethyl Benzene	11.51	91	284061	19.934	ug/l	100
67) m/p-Xylenes	11.62	106	219339	40.214	ug/l	99
68) o-Xylene	11.95	106	105794	19.813	ug/l	99
69) Styrene	11.96	104	170238	19.623	ug/l	99
70) Isopropylbenzene	12.25	105	282231	20.230	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	81692	19.422	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	65301m	17.933	ug/l	
73) Bromobenzene	12.53	156	73219	19.772	ug/l	99
74) n-propylbenzene	12.59	91	297199	20.186	ug/l	99
75) 2-Chlorotoluene	12.67	91	182780	20.015	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	231701	20.190	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	15984	15.384	ug/l	84
78) 4-Chlorotoluene	12.77	91	168637	19.773	ug/l	100
79) tert-butylbenzene	12.99	119	204770	20.140	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	223892	20.055	ug/l	100
81) sec-Butylbenzene	13.17	105	263507	20.487	ug/l	99
82) p-Isopropyltoluene	13.29	119	237200	20.398	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	113279	19.629	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	102411	18.630	ug/l	99
85) n-Butylbenzene	13.61	91	165174	19.031	ug/l	98
86) Hexachloroethane	13.87	117	32030	17.668	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	114191	19.466	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10756	16.290	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	44632	19.402	ug/l	98
90) Hexachlorobutadiene	15.01	225	44551	20.804	ug/l	99
91) Naphthalene	15.13	128	117100	15.031	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	51955	16.920	ug/l	99

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VSTDCCC020

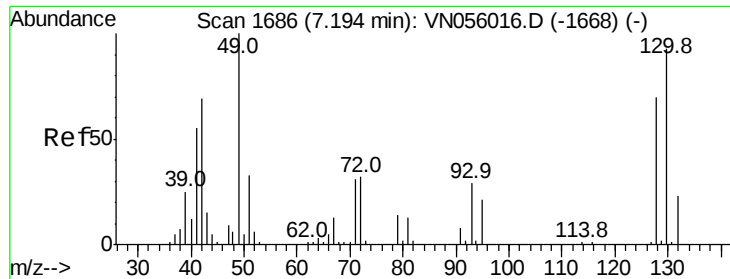
Manual Integrations
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QLast Update : Thu Jun 06 04:02:53 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



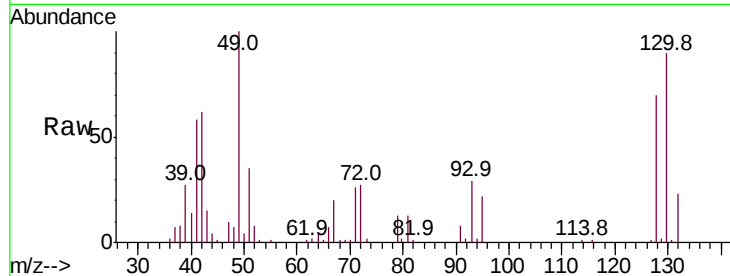
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 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

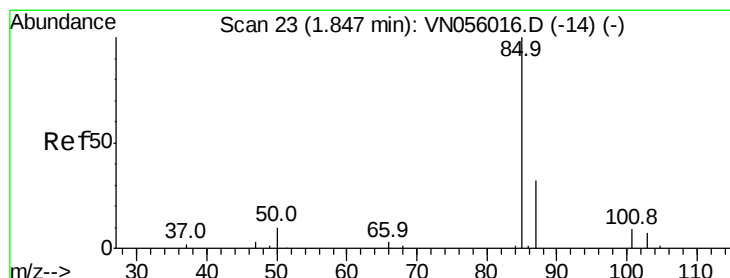
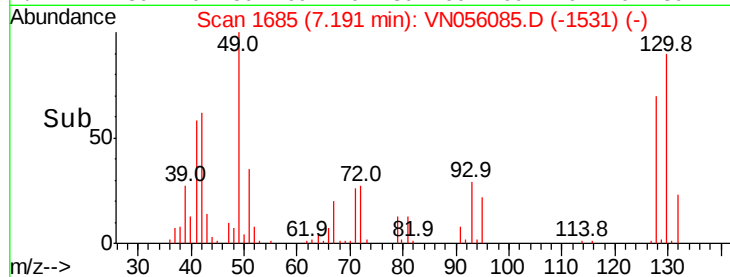
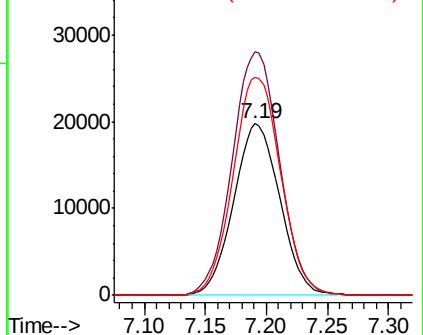
Tot Ion	Ratio	Lower	Upper
128	100		
49	145.6	0.0	355.8
130	131.2	0.0	326.3

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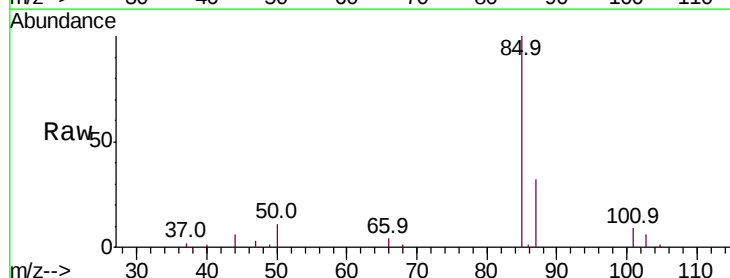


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

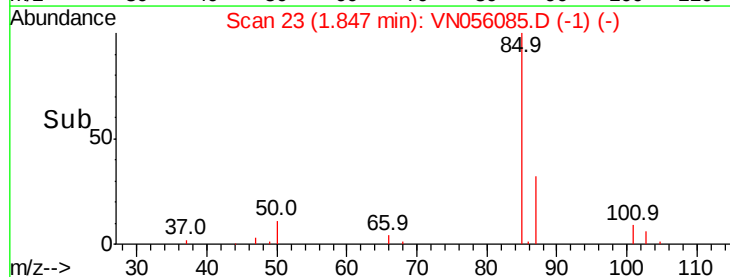
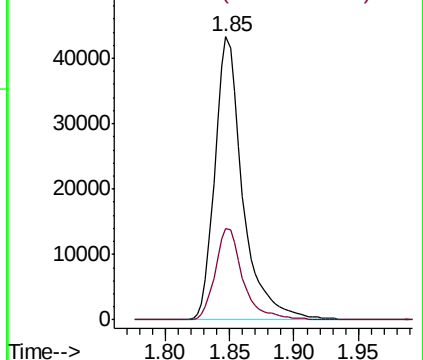


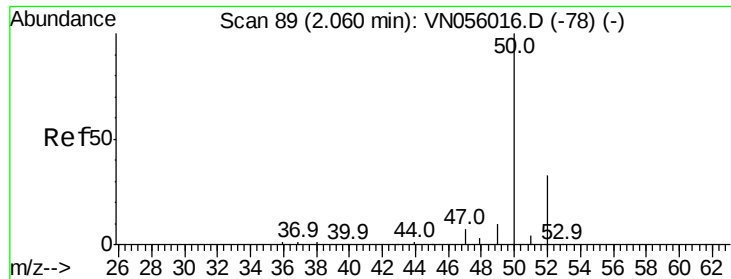
#2
 Dichlorodifluoromethane
 Concen: 22.310 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.9	47.7



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.051 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 50 Resp: 71860

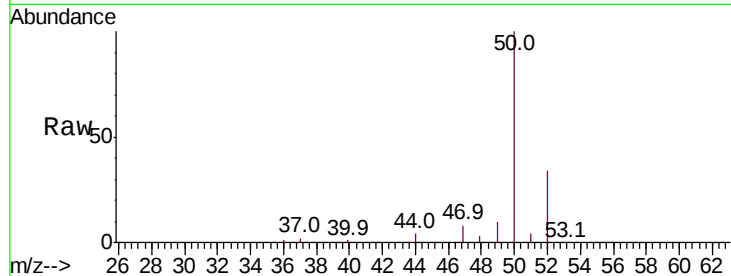
Ion Ratio Lower Upper

50 100

52 34.0 26.7 40.1

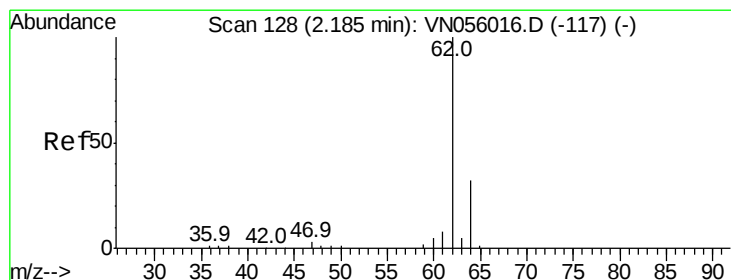
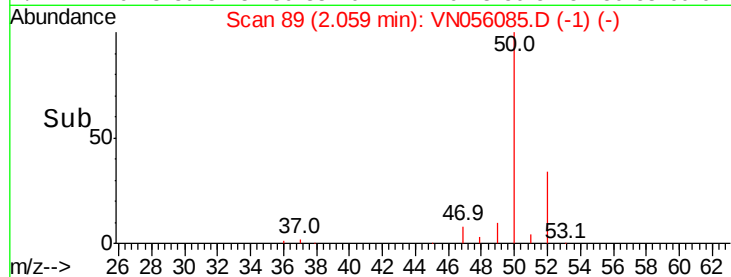
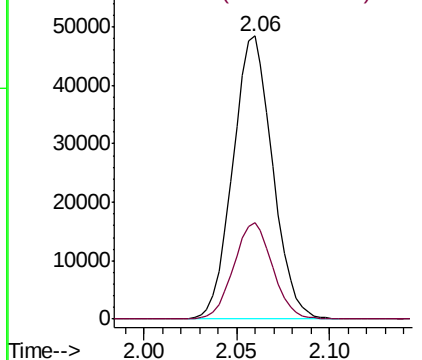
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Abundance Ion 50.00 (49.70 to 50.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#4

Vinyl Chloride

Concen: 20.762 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056085.D

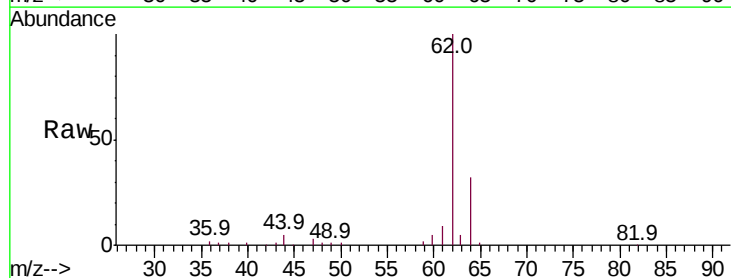
Acq: 7 Jun 2019 8:48

Tgt Ion: 62 Resp: 72263

Ion Ratio Lower Upper

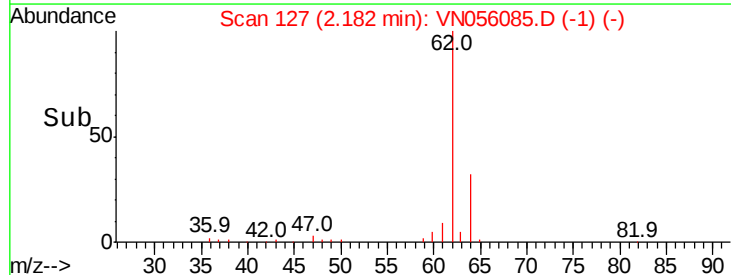
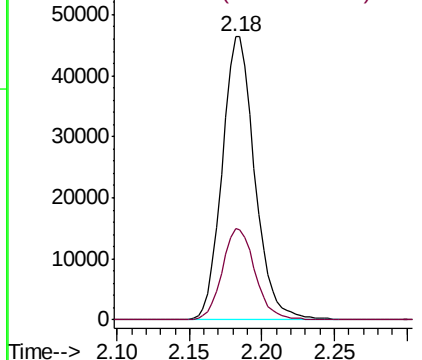
62 100

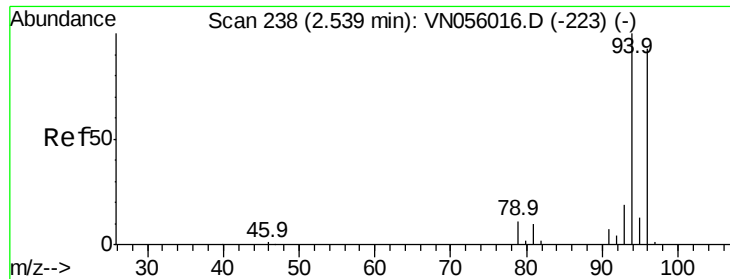
64 32.1 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VNC

Ion 64.00 (63.70 to 64.70): VNC





#5

Bromomethane

Concen: 22.685 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 94 Resp: 49620

Ion Ratio Lower Upper

94 100

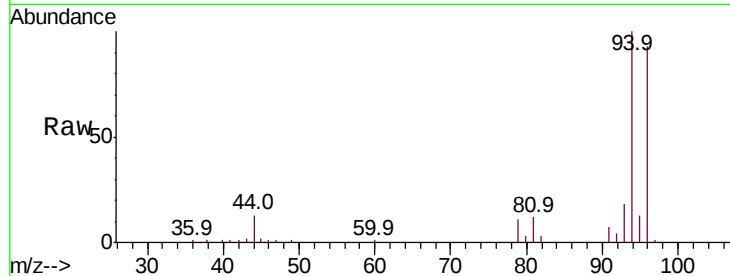
96 92.8 74.1 111.1

Manual Integrations

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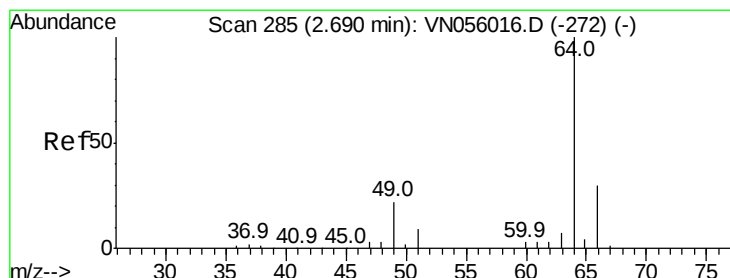
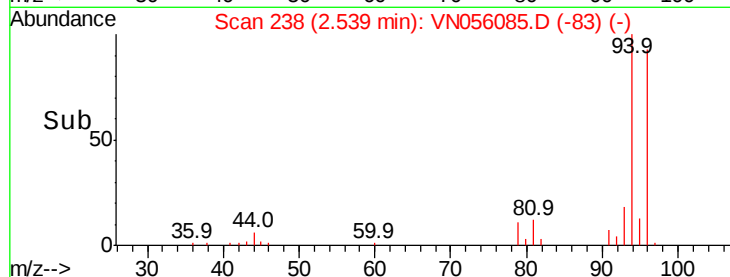
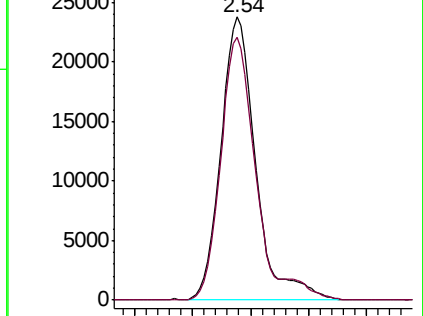
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.161 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056085.D

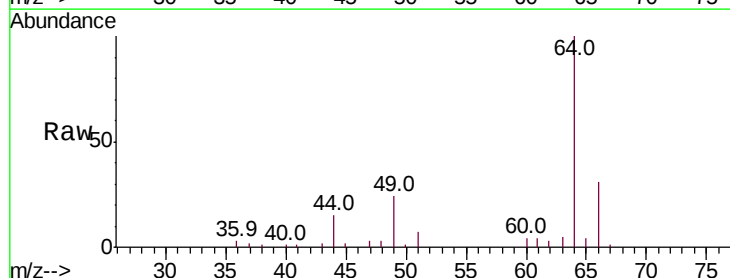
Acq: 7 Jun 2019 8:48

Tgt Ion: 64 Resp: 41659

Ion Ratio Lower Upper

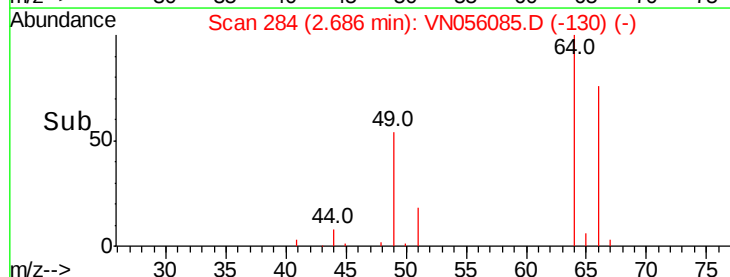
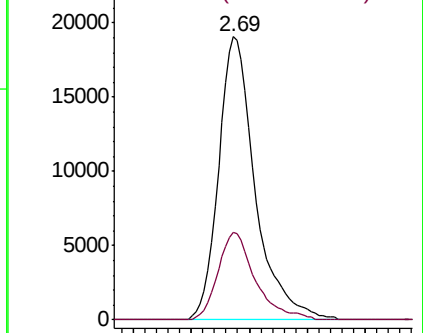
64 100

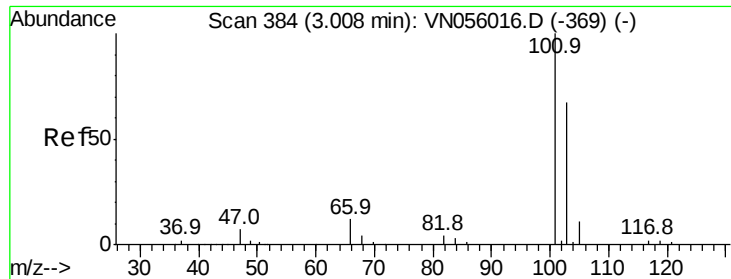
66 30.9 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

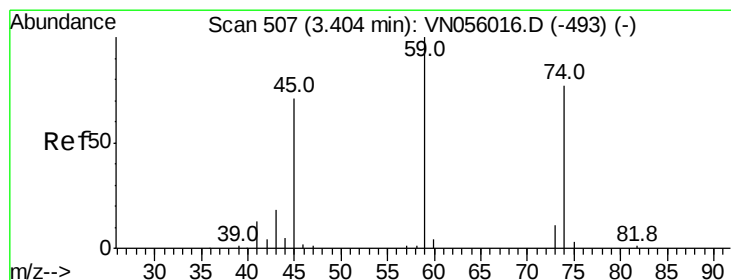
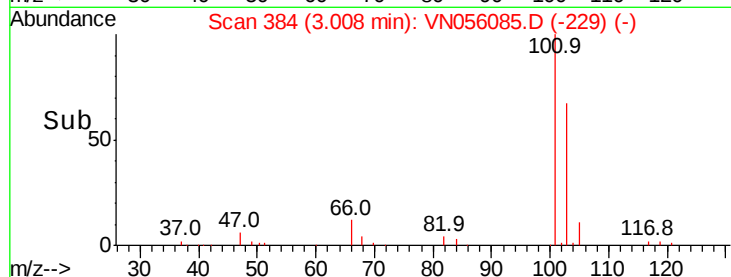
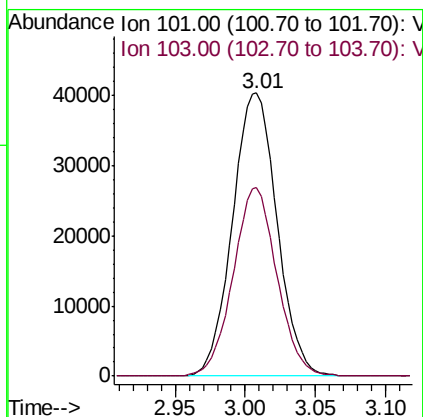
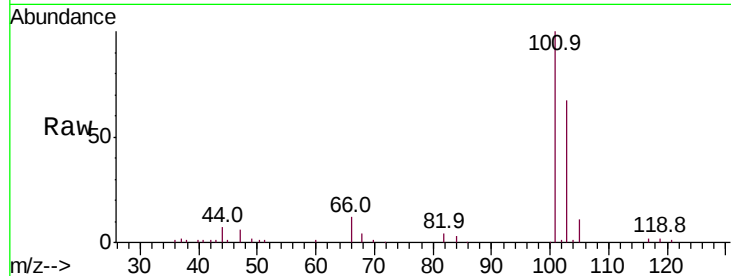
Trichlorofluoromethane
 Concen: 20.710 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
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 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	53.4	80.0

Manual Integrations
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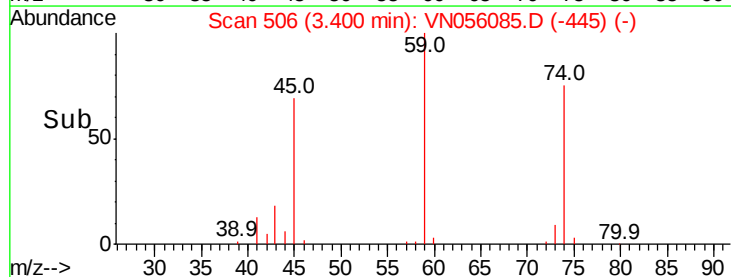
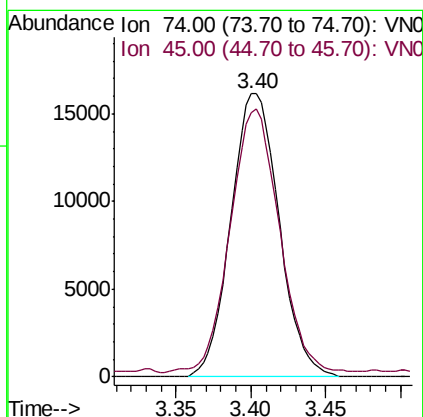
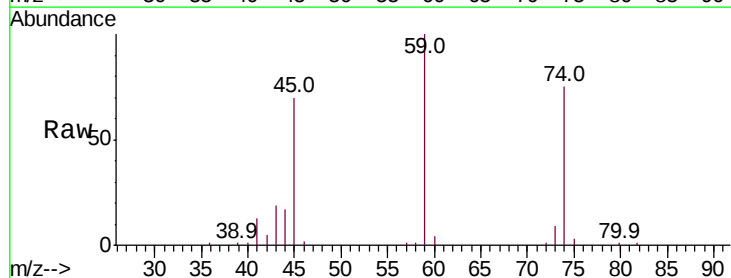
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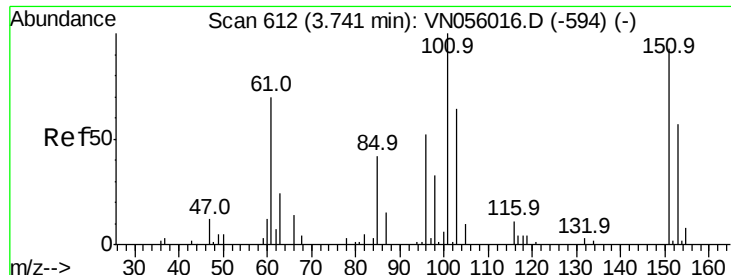


#8

Diethyl Ether
 Concen: 19.843 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.581 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

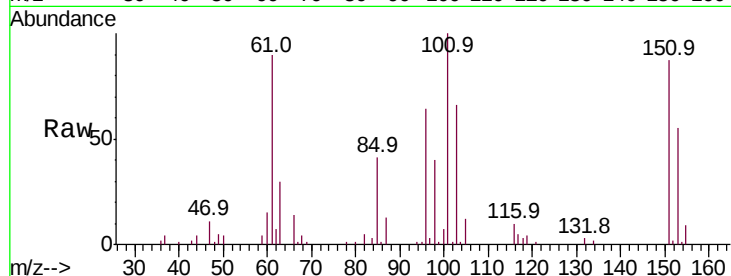
ClientSampled :

VSTDCCC020

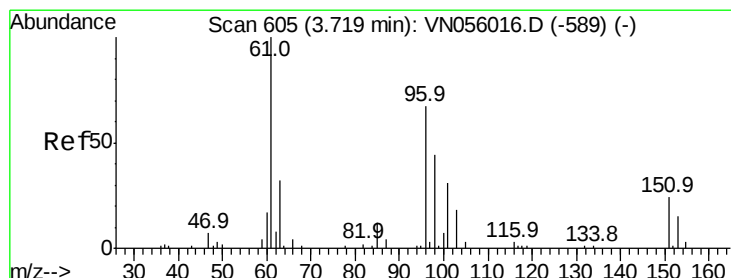
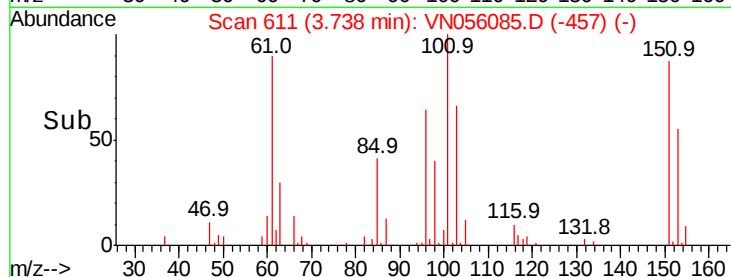
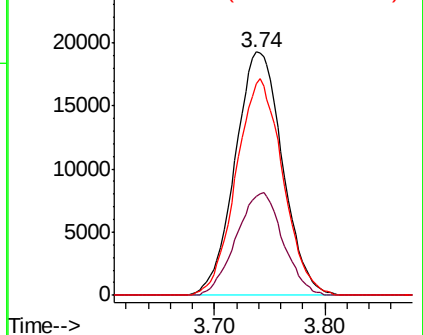
Tot Ion:	101	Resp:	57368
Ion Ratio	Lower	Upper	
101	100		
85	41.5	0.0	82.0
151	87.5	0.0	177.0

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VN
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.396 ug/l

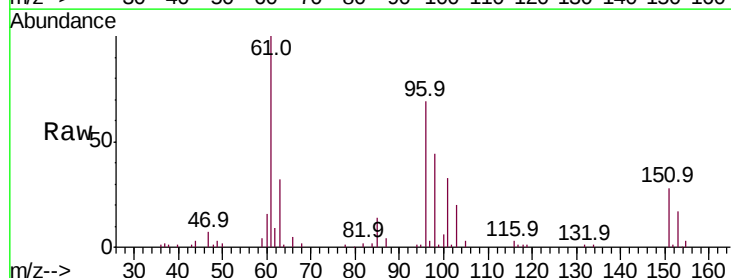
RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

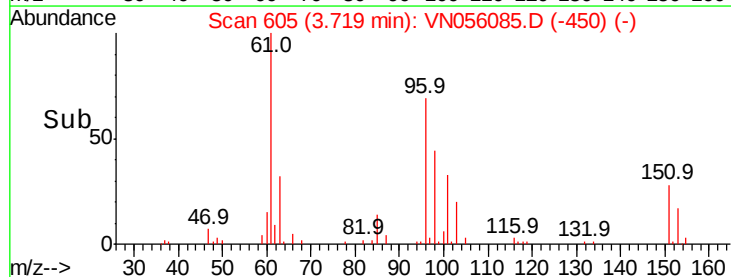
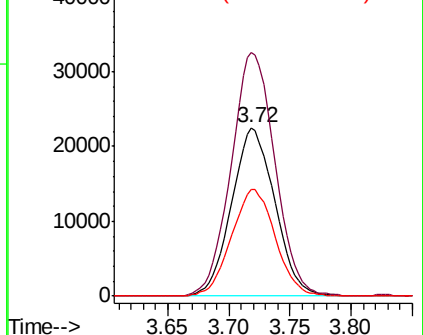
Lab File: VN056085.D

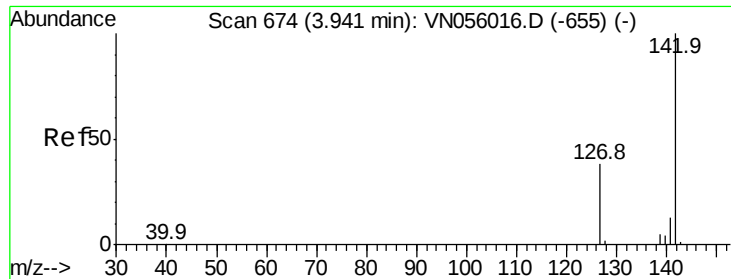
Acq: 7 Jun 2019 8:48

Tgt Ion:	96	Resp:	55306
Ion Ratio	Lower	Upper	
96	100		
61	143.7	119.7	179.5
98	63.4	52.3	78.5



Abundance Ion 96.00 (95.70 to 96.70): VN
Ion 61.00 (60.70 to 61.70): VN
Ion 98.00 (97.70 to 98.70): VN





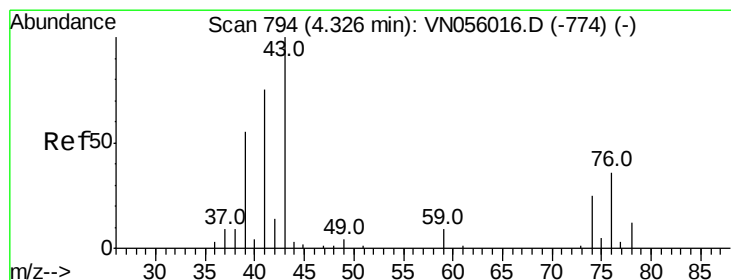
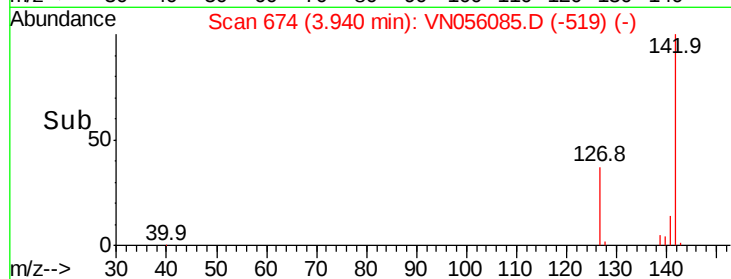
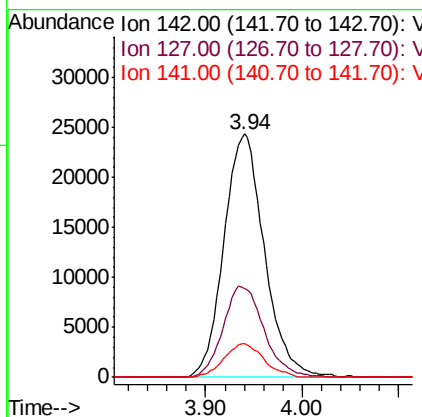
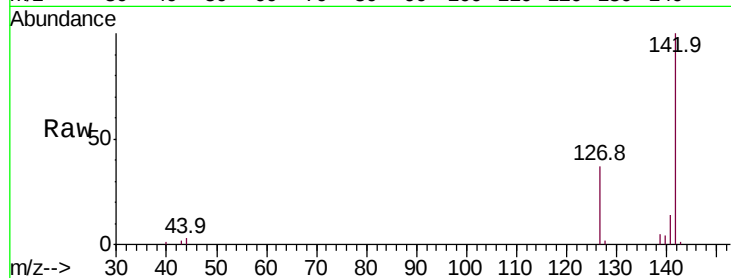
#11
Methvl Iodide
Concen: 16.567 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	36.6	19.0	57.0
141	14.1	6.7	20.0

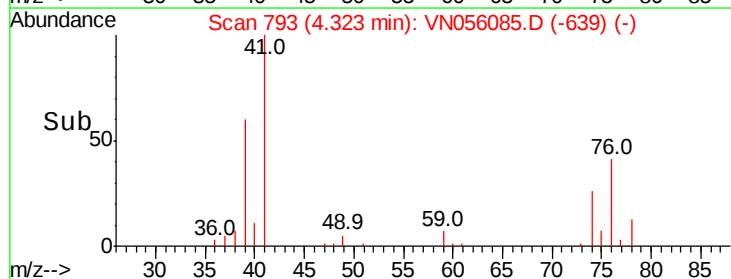
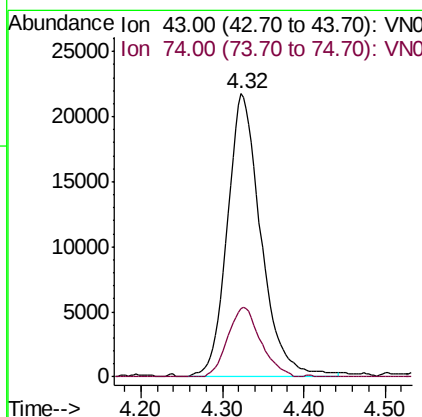
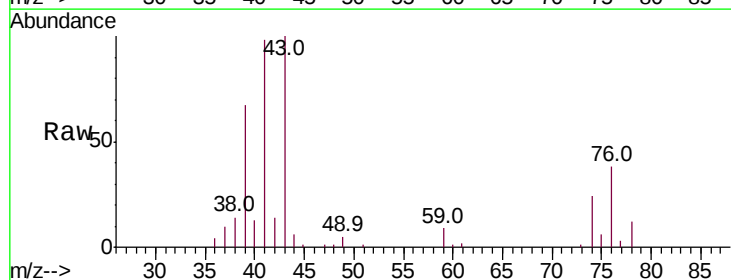
Manual Integrations
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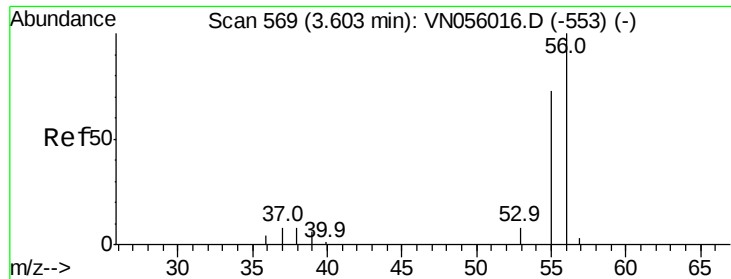
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#12
Methyl Acetate
Concen: 19.307 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.9	29.9





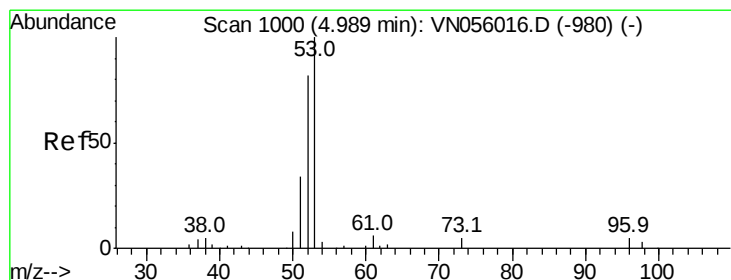
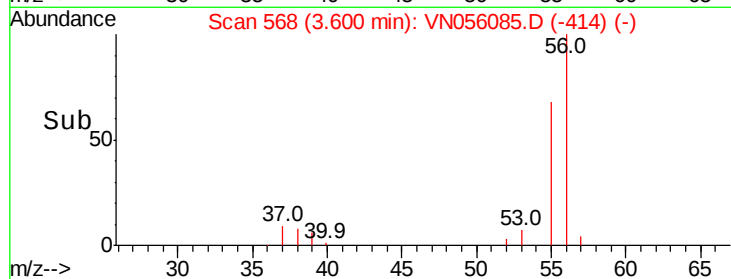
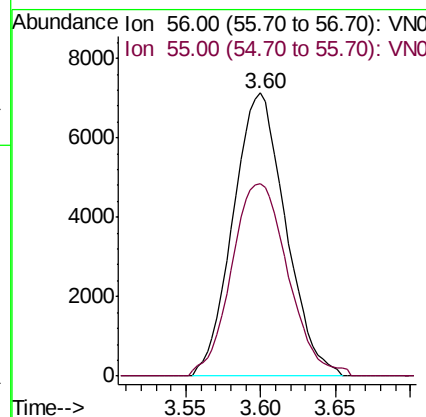
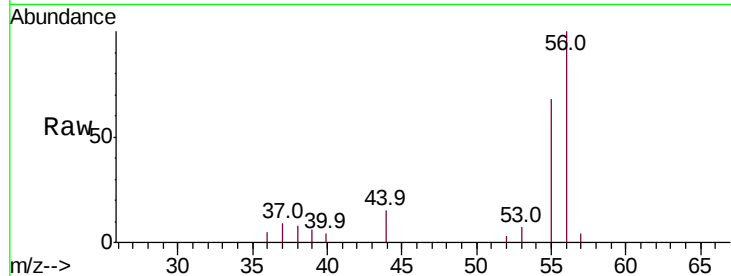
#13
Acrolein
Concen: 109.740 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 56 Resp: 17429
Ion Ratio Lower Upper
56 100
55 73.1 57.9 86.9

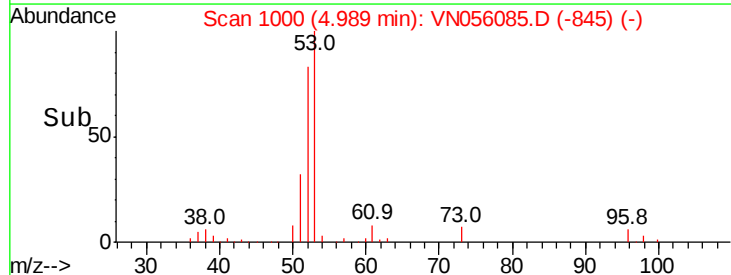
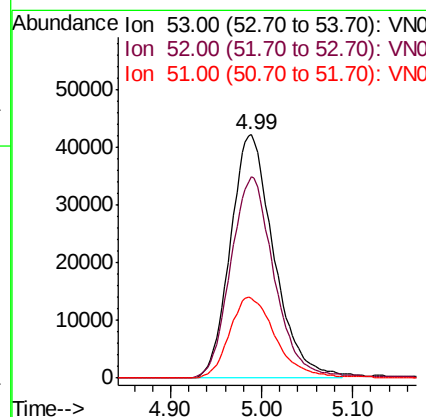
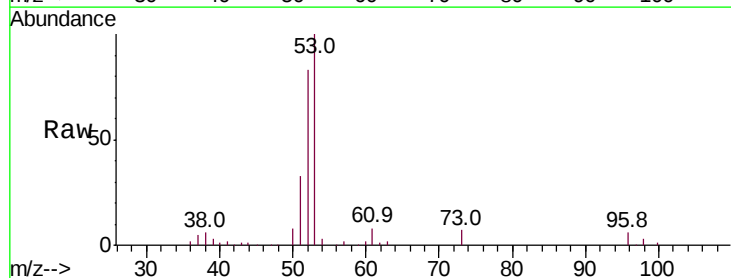
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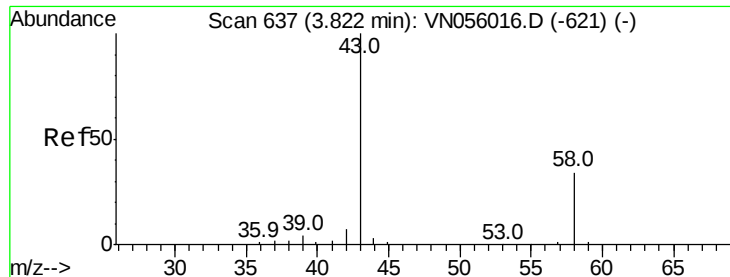
MMDadoda
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#14
Acrylonitrile
Concen: 96.242 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion: 53 Resp: 139852
Ion Ratio Lower Upper
53 100
52 83.2 40.8 122.2
51 35.1 17.3 52.0





#15

Acetone

Concen: 131.420 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 62529

Ion Ratio Lower Upper

58 100

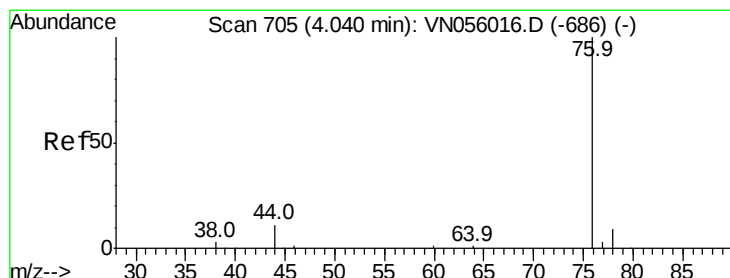
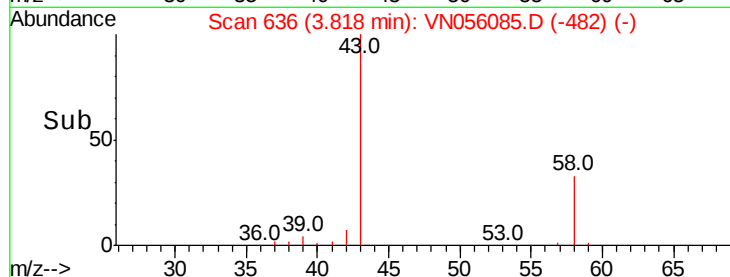
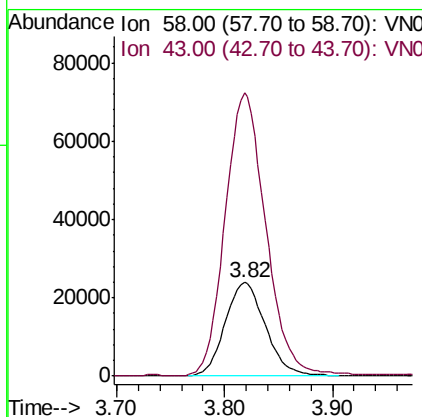
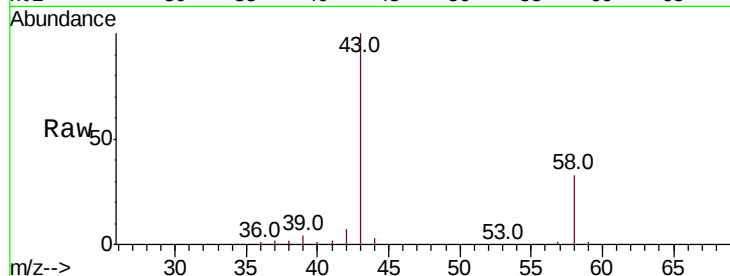
43 300.7 232.5 348.7

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.411 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056085.D

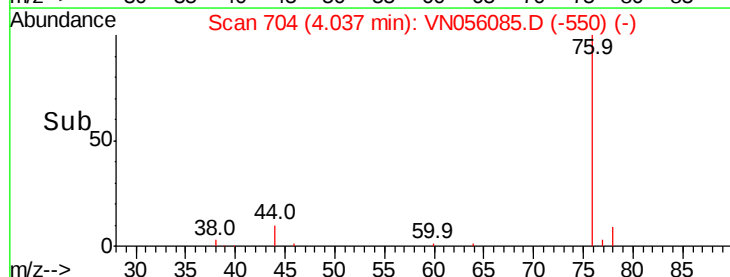
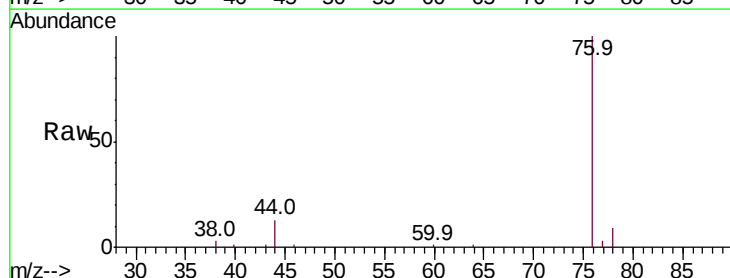
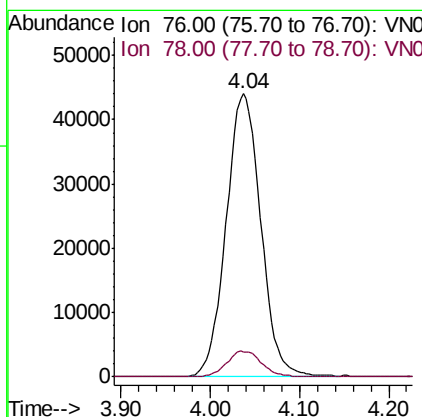
Acq: 7 Jun 2019 8:48

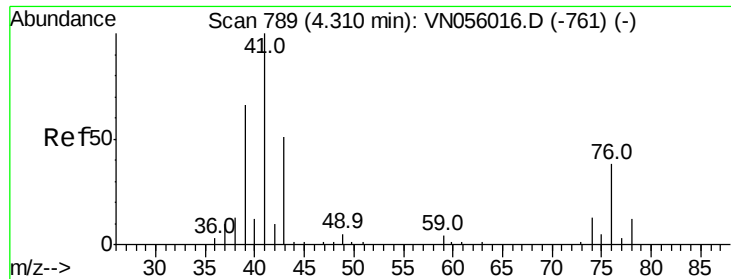
Tgt Ion: 76 Resp: 118786

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





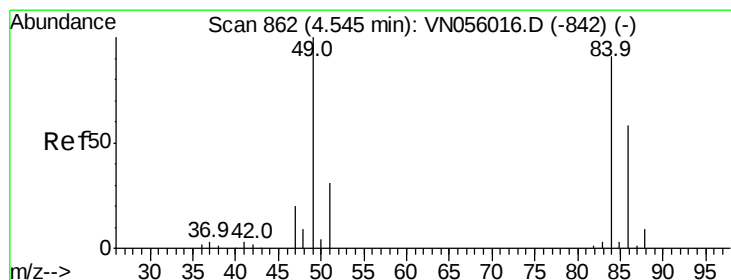
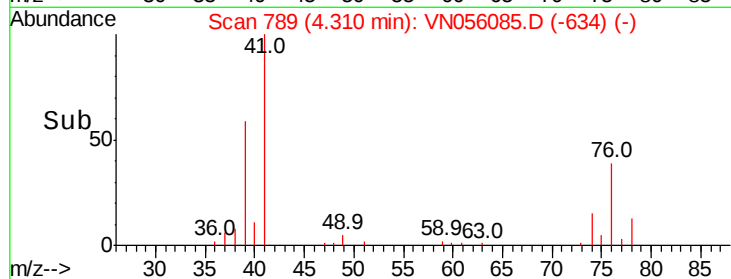
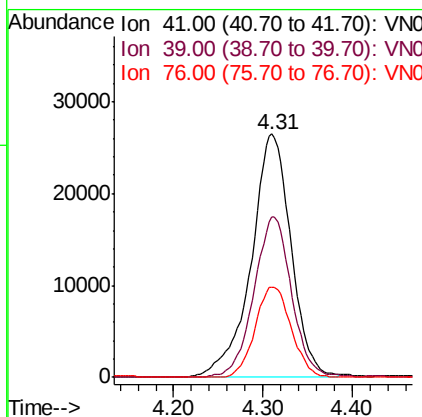
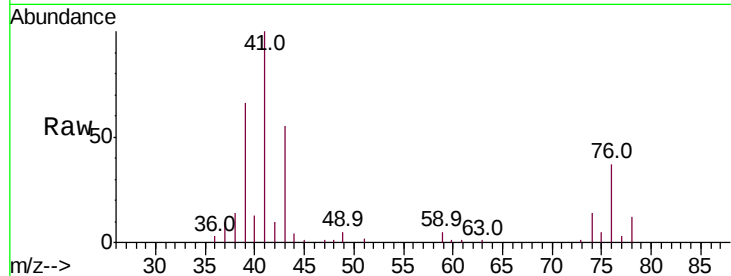
#17
Allvl chloride
Concen: 19.613 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	82401
Ion Ratio	Lower	Upper	
41	100		
39	65.9	33.0	99.0
76	37.2	18.9	56.9

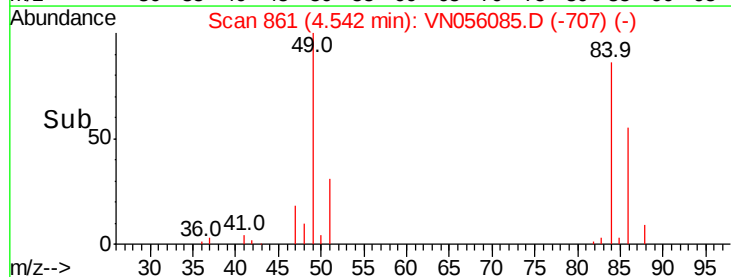
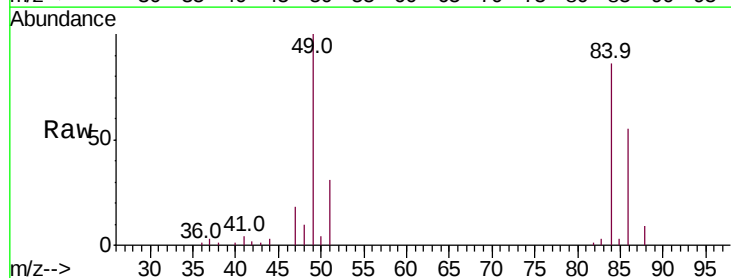
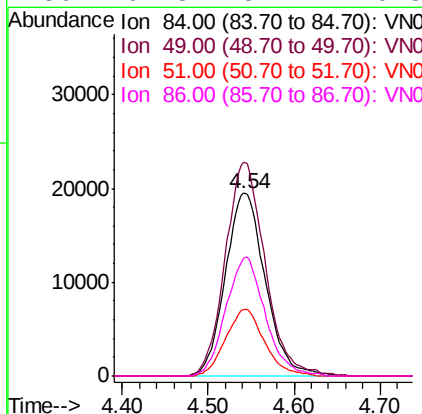
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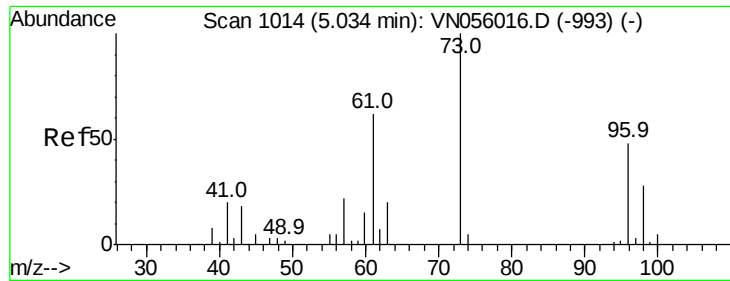
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#18
Methylene Chloride
Concen: 20.066 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion:	84	Resp:	62993
Ion Ratio	Lower	Upper	
84	100		
49	116.8	87.6	131.4
51	36.5	27.0	40.4
86	64.3	51.2	76.8





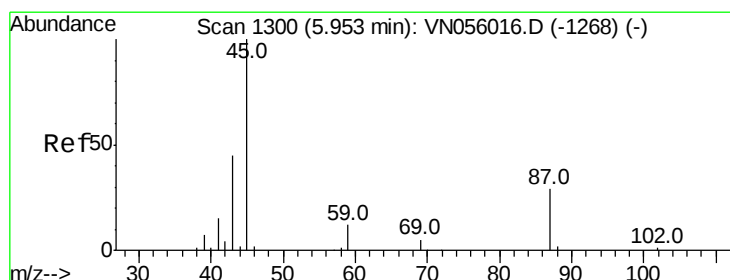
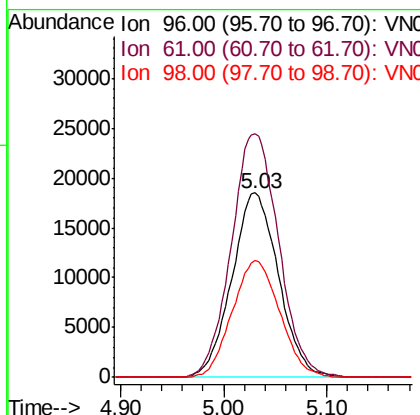
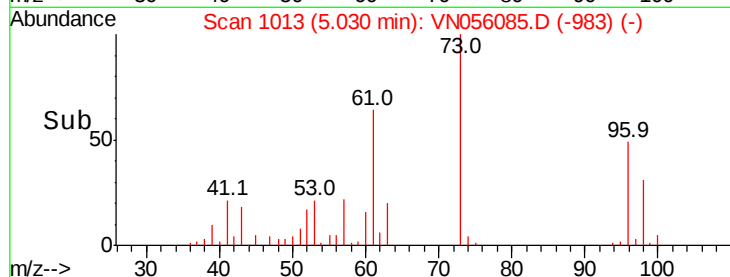
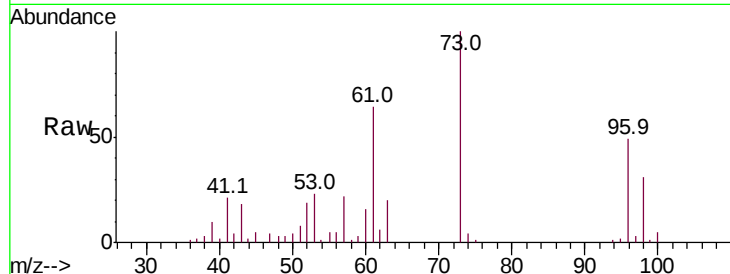
#19
trans-1,2-Dichloroethene
Concen: 20.141 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.9	102.5	153.7
98	63.3	46.9	70.3

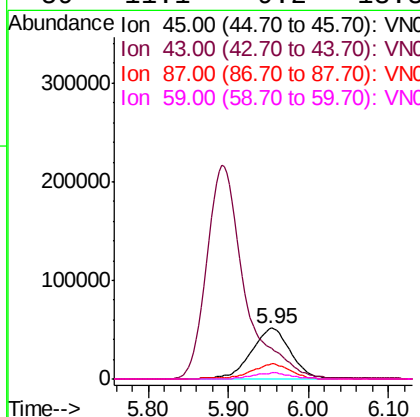
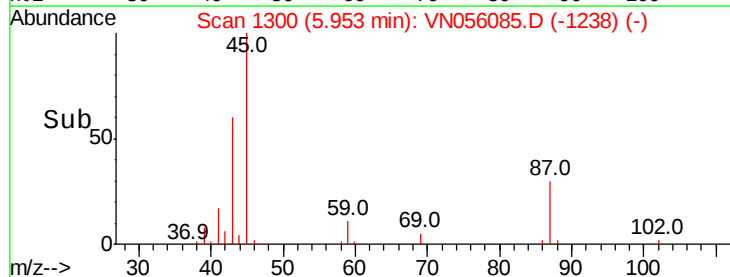
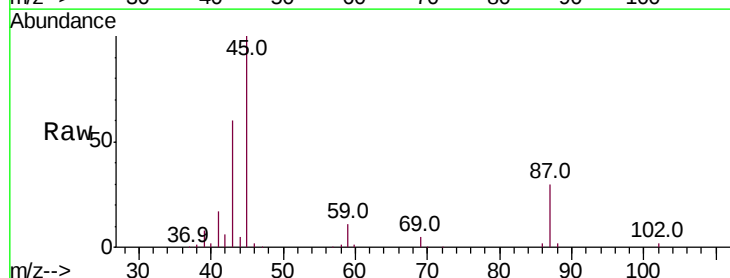
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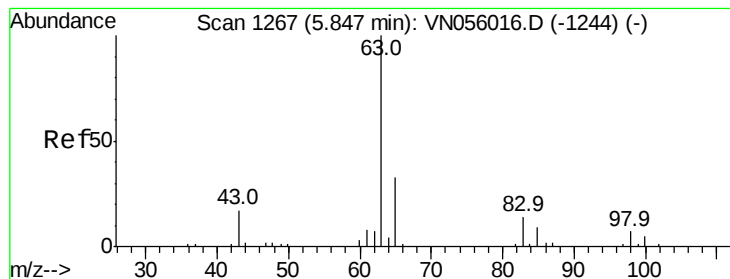
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#20
Diisopropyl ether
Concen: 20.086 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	48.0	72.0
87	29.3	23.4	35.2
59	11.1	9.2	13.8





#21

1,1-Dichloroethane

Concen: 20.207 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

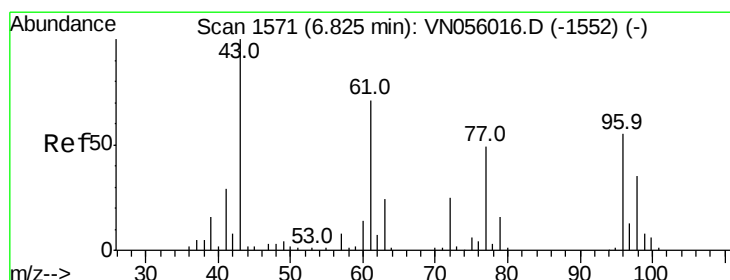
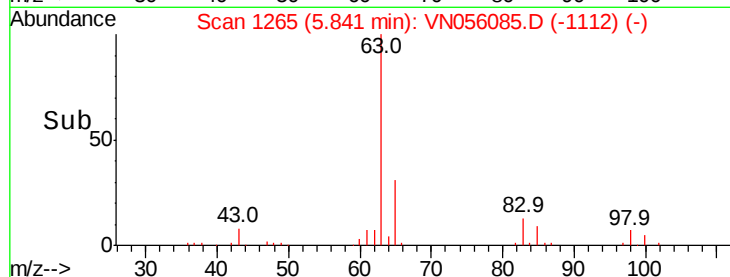
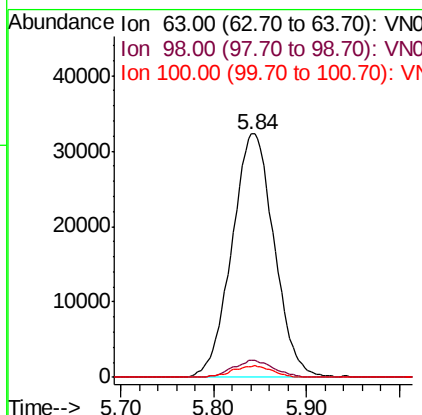
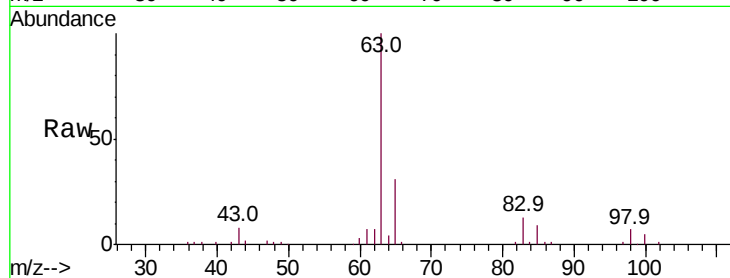
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	102220
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.5	10.5
100	4.6	2.3	6.9

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#22

cis-1,2-Dichloroethene

Concen: 20.012 ug/l

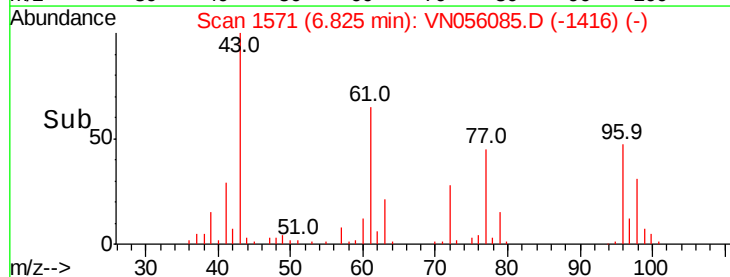
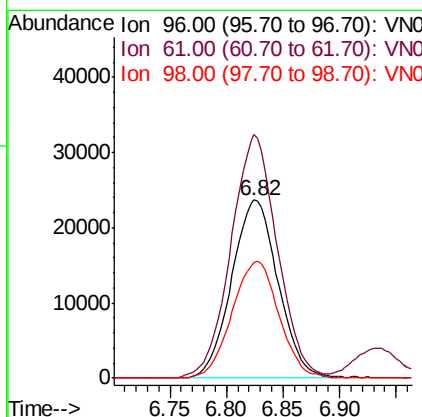
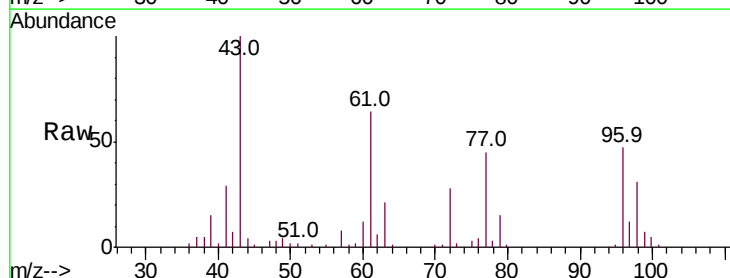
RT: 6.82 min Scan# 1571

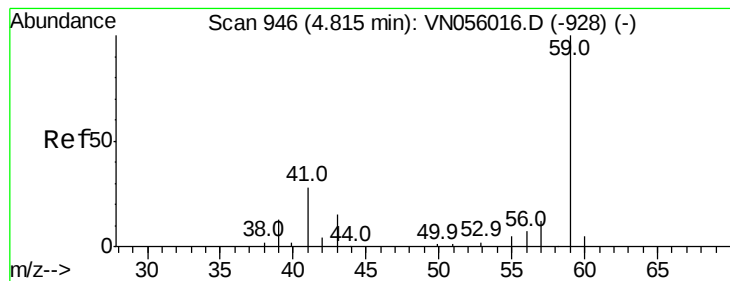
Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Tgt Ion:	96	Resp:	67606
Ion Ratio	Lower	Upper	
96	100		
61	136.2	105.7	158.5
98	66.0	52.0	78.0





#23

tert-Butyl Alcohol

Concen: 93.493 ug/l

RT: 4.81 min Scan# 944

Delta R.T. -0.01 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 59 Resp: 52881

Ion Ratio Lower Upper

59 100

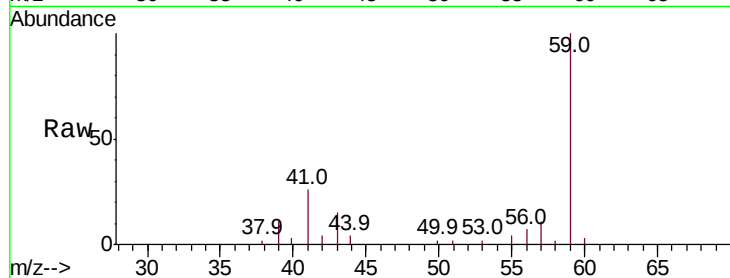
52 0.0 0.0 0.0

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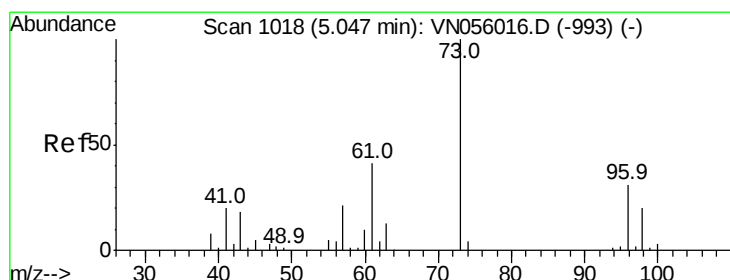
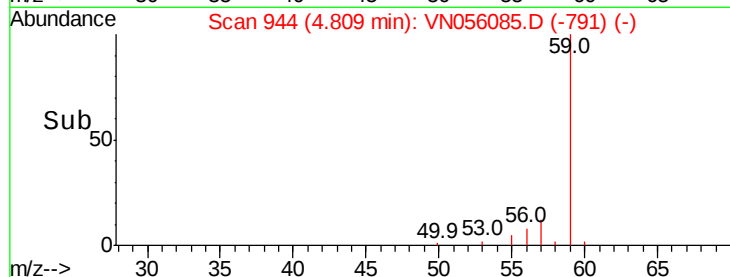
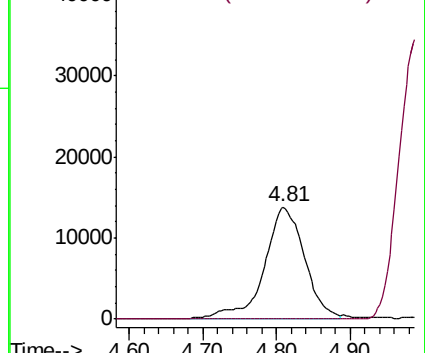
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Abundance Ion 59.00 (58.70 to 59.70): VN056016.D (-928) (-)

Ion 52.00 (51.70 to 52.70): VN056016.D (-928) (-)



#24

Methyl tert-Butyl Ether

Concen: 19.731 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN056085.D

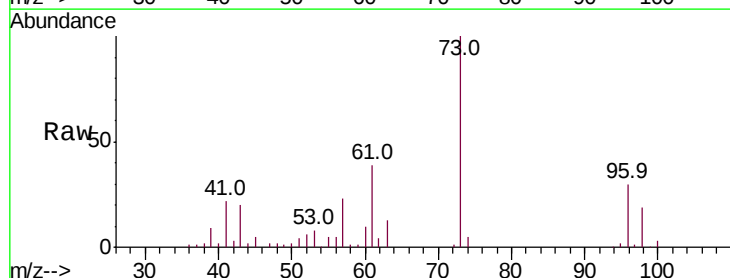
Acq: 7 Jun 2019 8:48

Tgt Ion: 73 Resp: 170508

Ion Ratio Lower Upper

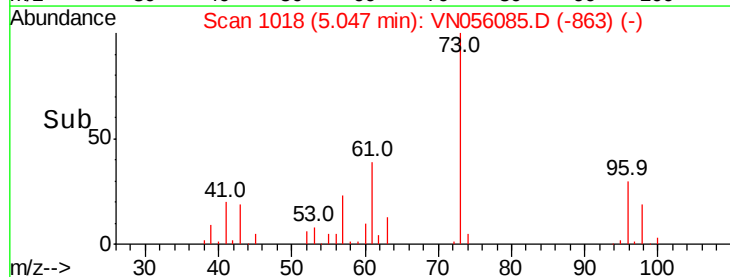
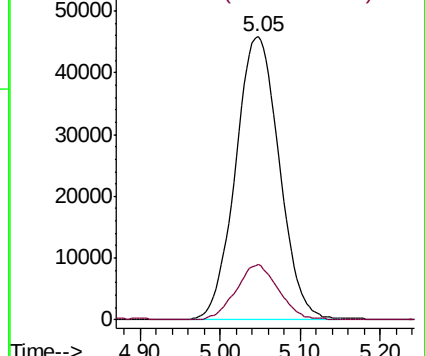
73 100

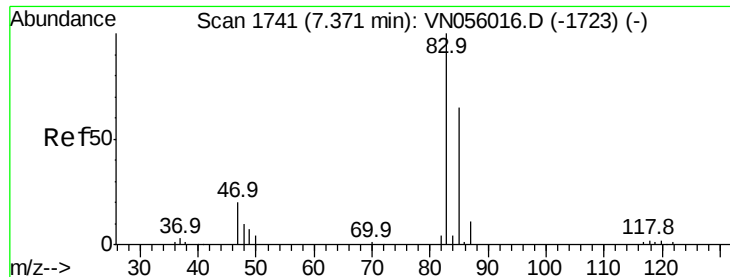
43 18.9 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN056016.D (-993) (-)

Ion 43.00 (42.70 to 43.70): VN056016.D (-993) (-)





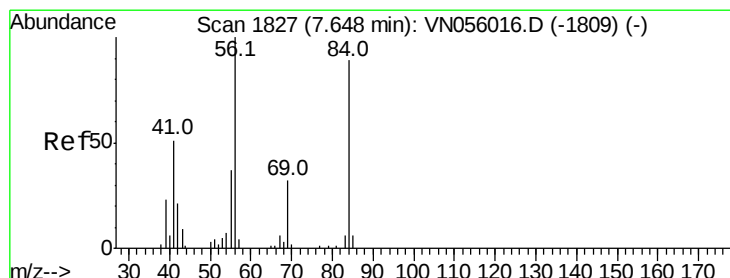
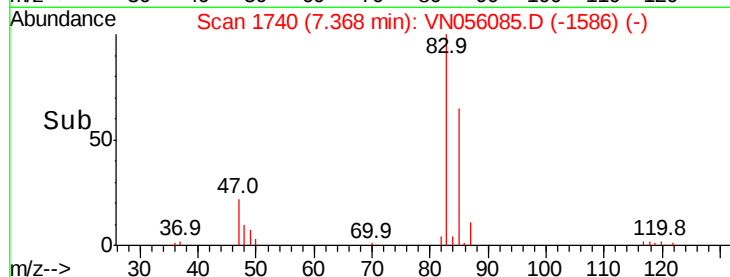
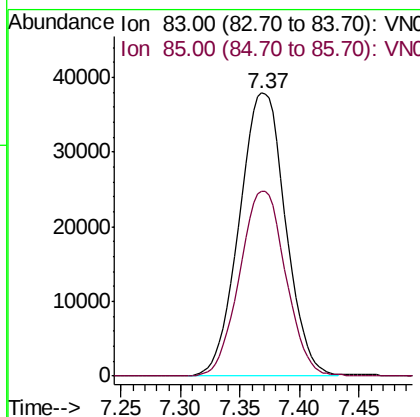
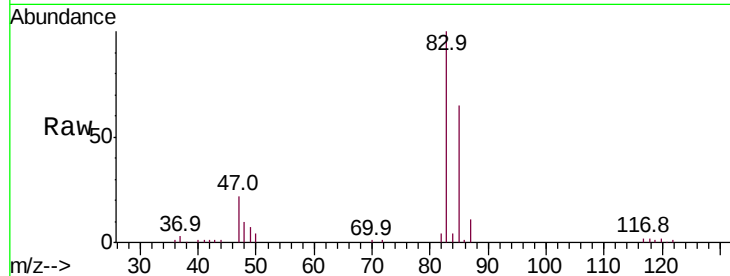
#25
Chloroform
Concen: 20.250 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 83 Resp: 102293
Ion Ratio Lower Upper
83 100
85 65.5 52.0 78.0

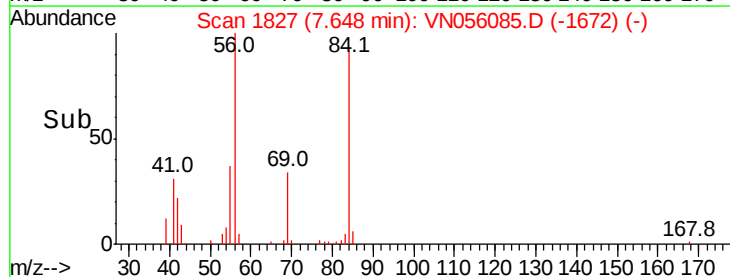
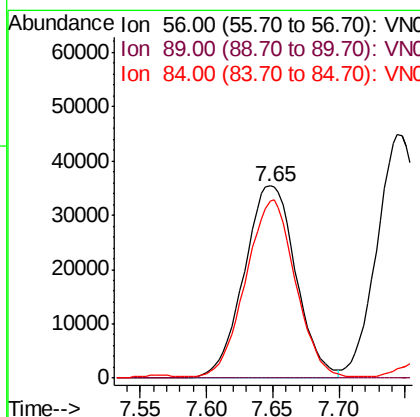
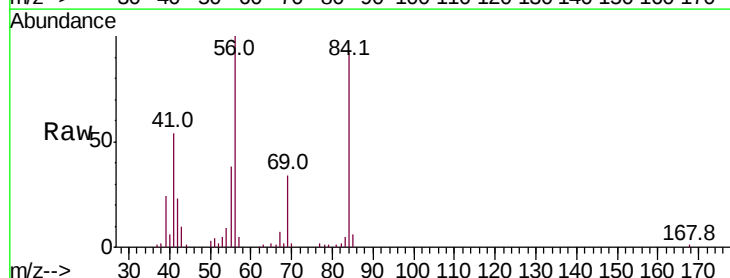
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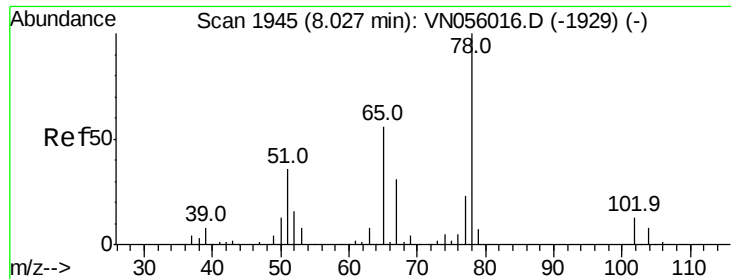
MMDadoda
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#26
Cyclohexane
Concen: 20.562 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion: 56 Resp: 96502
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 89.5 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 31.220 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 100712

Ion Ratio Lower Upper

65 100

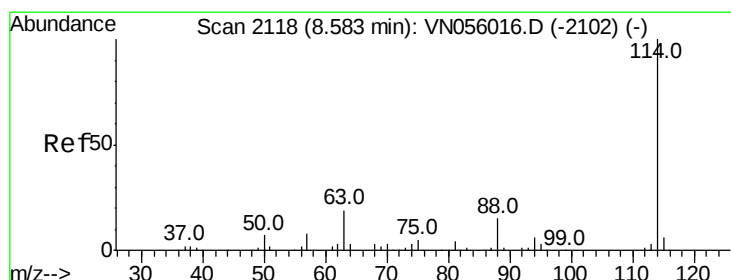
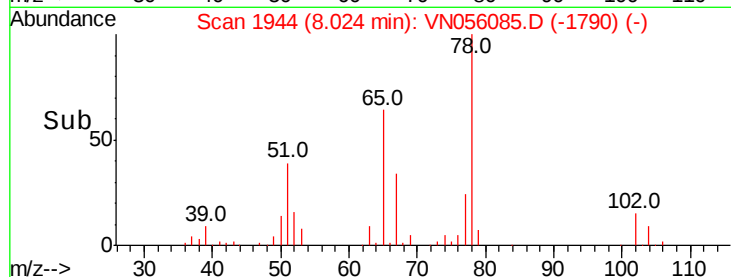
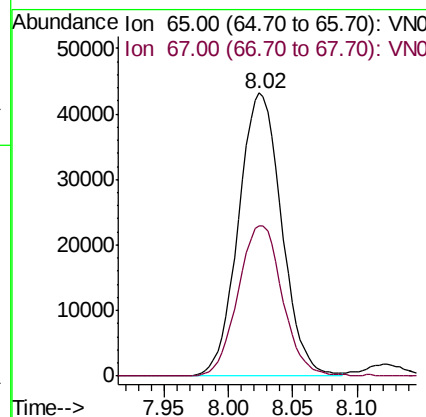
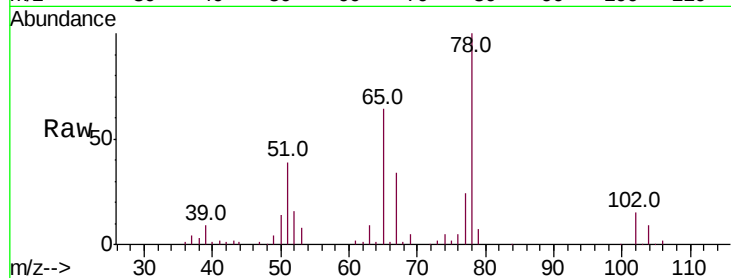
67 54.5 43.4 65.2

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

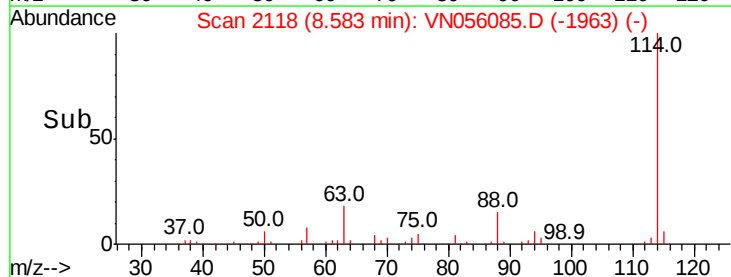
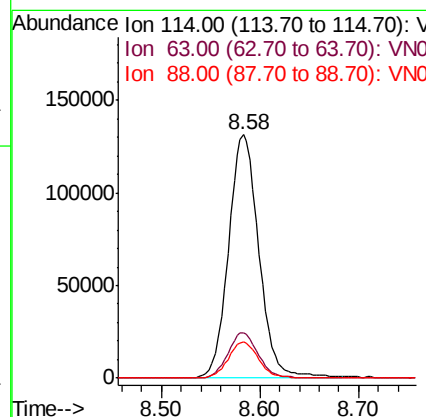
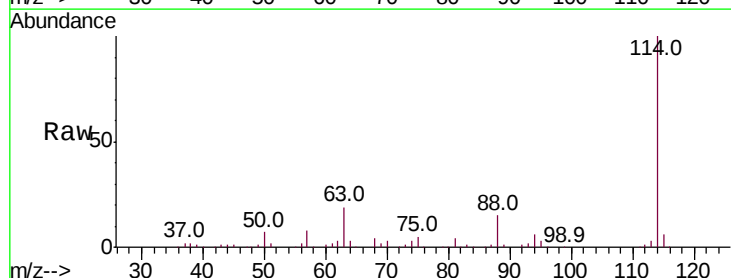
Tgt Ion: 114 Resp: 283368

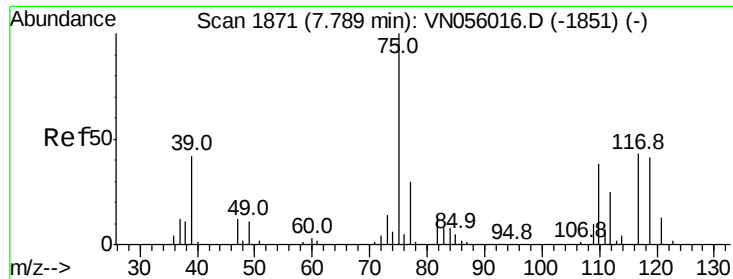
Ion Ratio Lower Upper

114 100

63 18.6 14.7 22.1

88 14.8 11.9 17.9





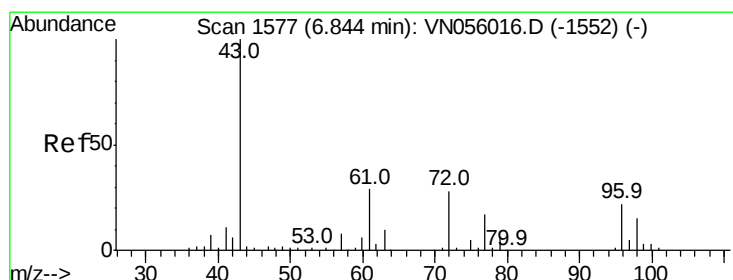
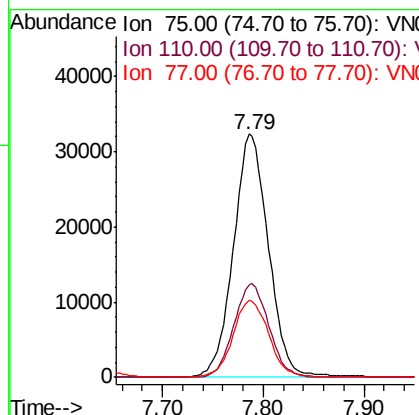
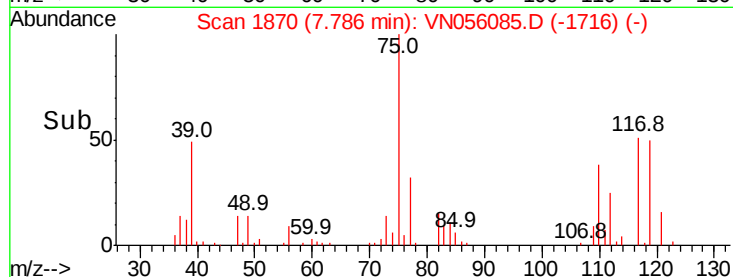
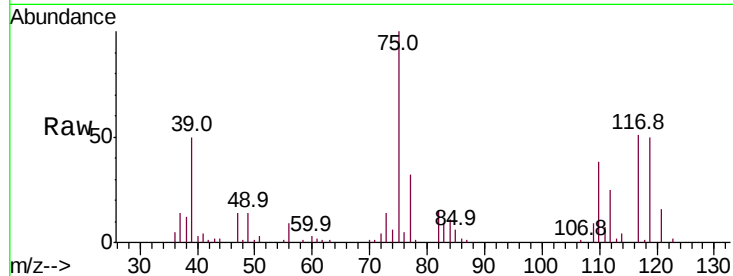
#29
 1,1-Dichloropropene
 Concen: 20.388 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.2	0.0	77.0
77	32.2	0.0	62.4

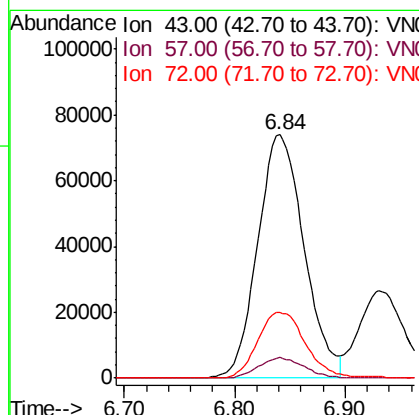
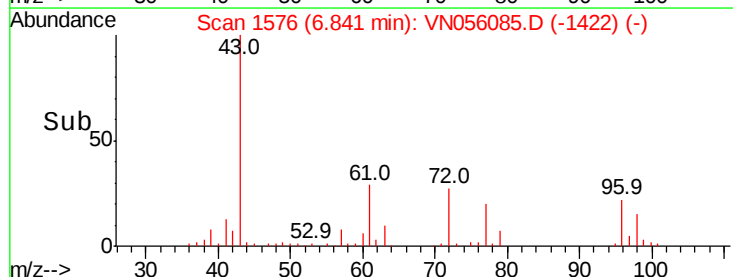
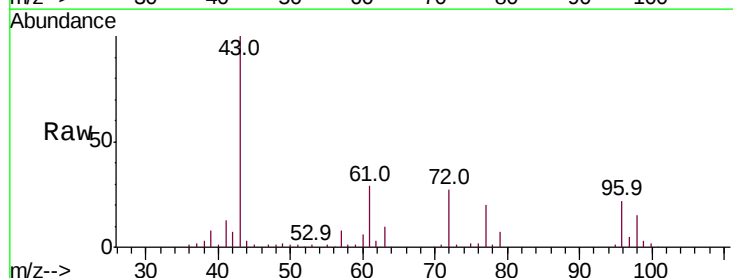
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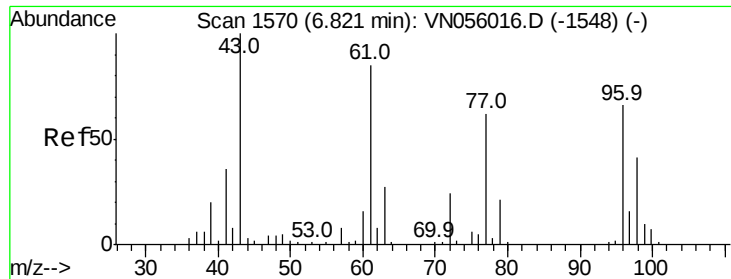
MMDadoda
 6/10/2019 3:31:09 PM



#30
 2-Butanone
 Concen: 106.341 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.7	10.1
72	28.4	22.4	33.6





#31

2,2-Dichloropropane

Concen: 21.007 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 74908

Ion Ratio Lower Upper

77 100

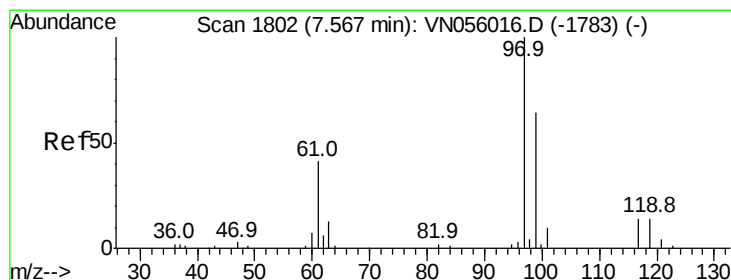
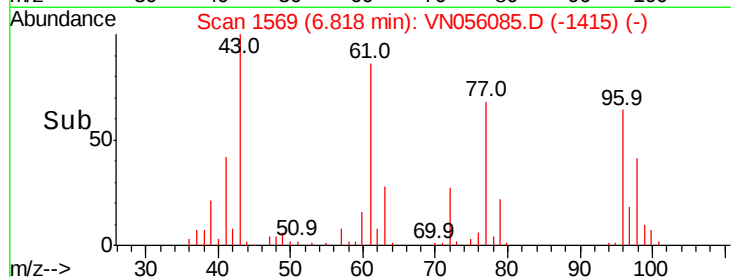
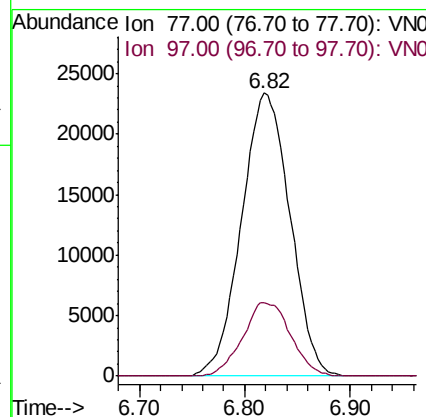
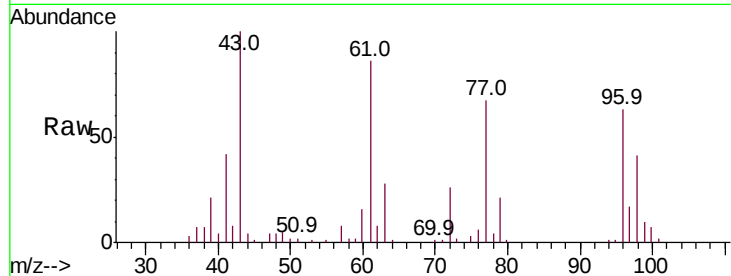
97 25.6 20.8 31.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.967 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

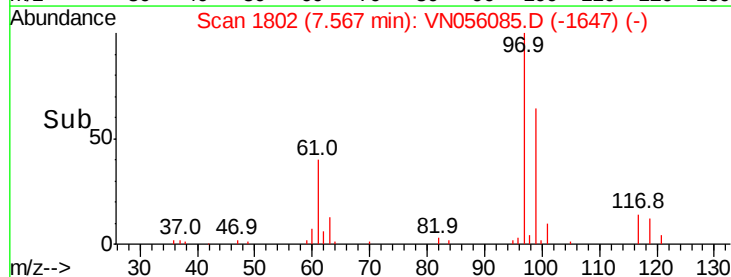
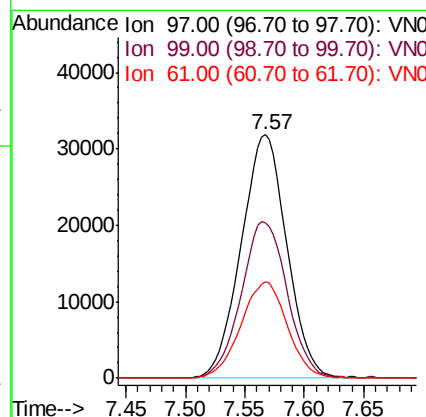
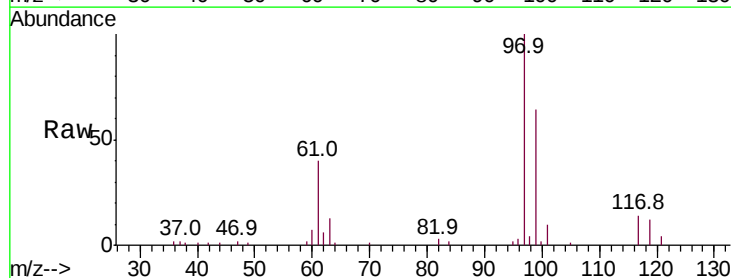
Tgt Ion: 97 Resp: 84560

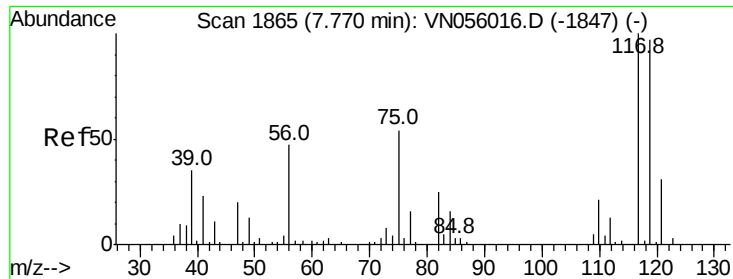
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 40.2 32.9 49.3





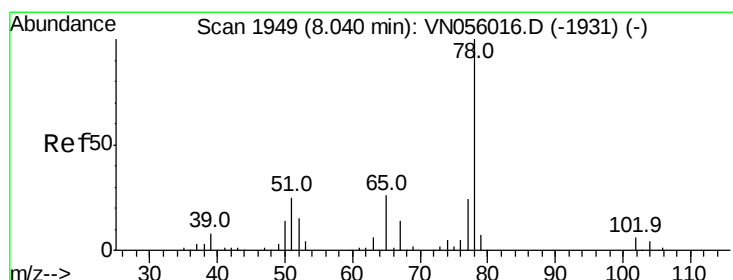
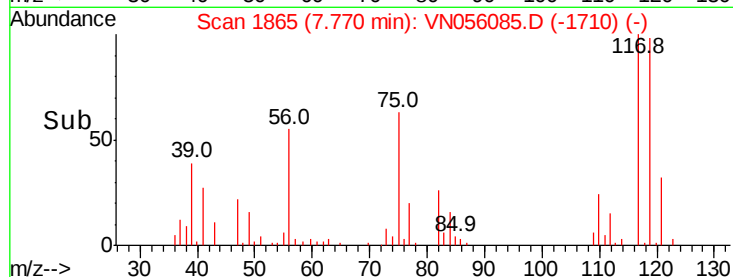
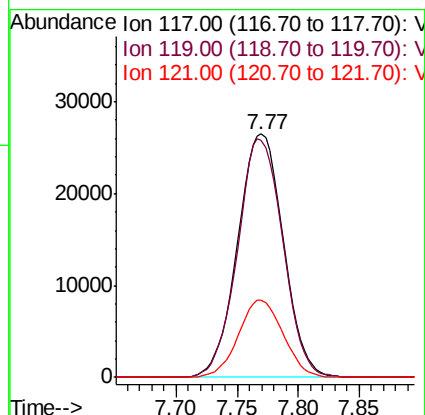
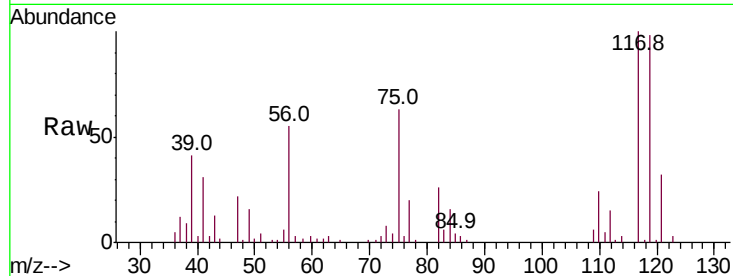
#33
Carbon Tetrachloride
Concen: 19.205 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.3	115.9
121	31.9	25.0	37.4

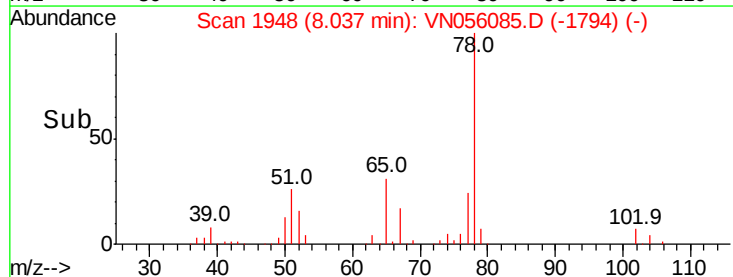
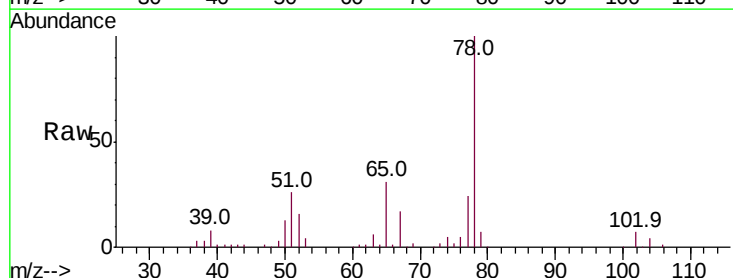
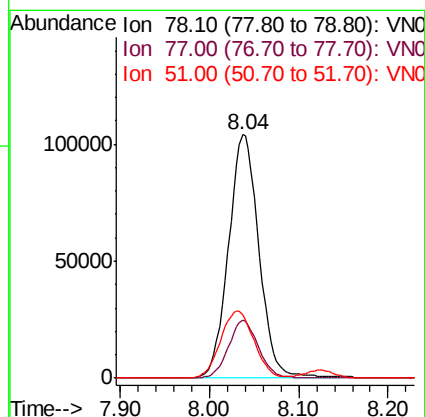
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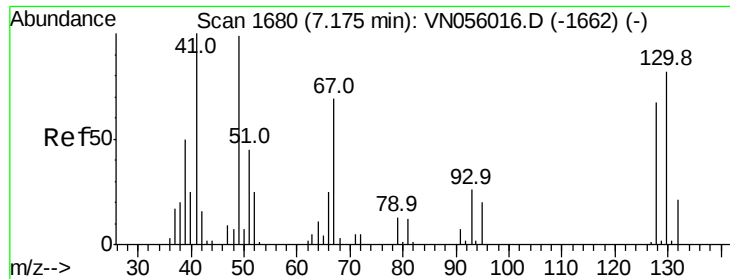
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#34
Benzene
Concen: 20.176 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9
51	25.7	19.8	29.8





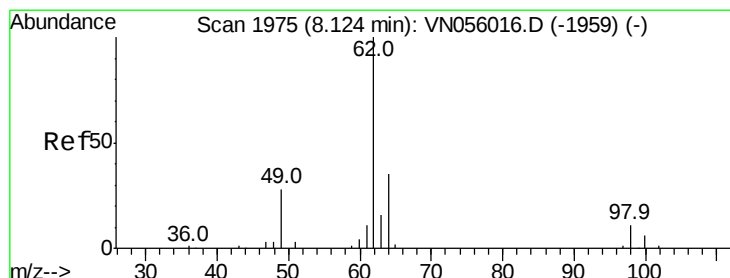
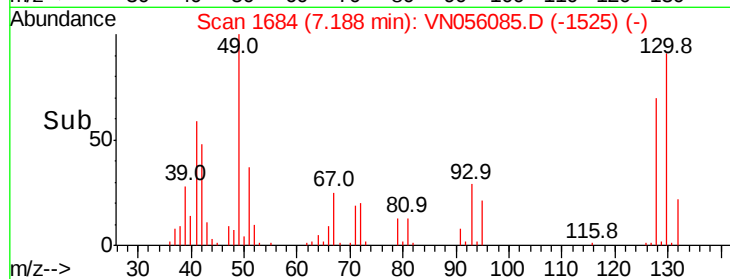
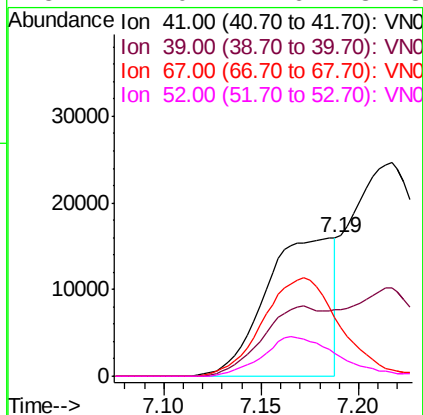
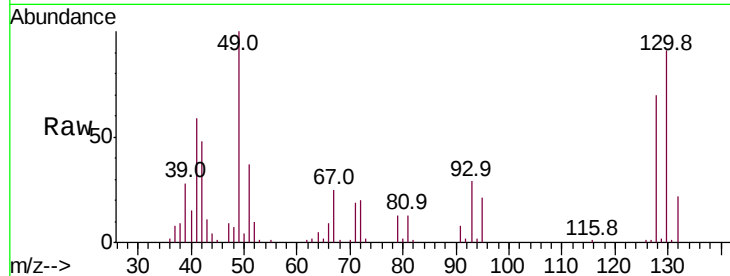
#35
Methacrylonitrile
Concen: 23.098 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.7	24.8	74.3
67	42.4	34.3	102.9
52	17.0	12.6	37.8

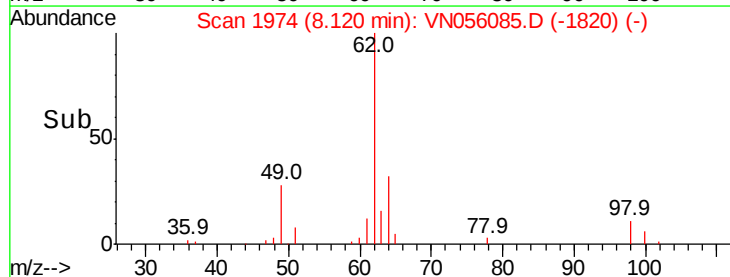
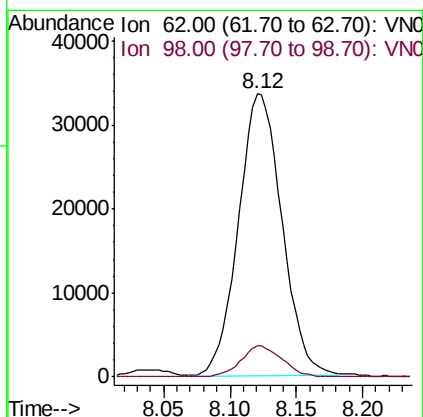
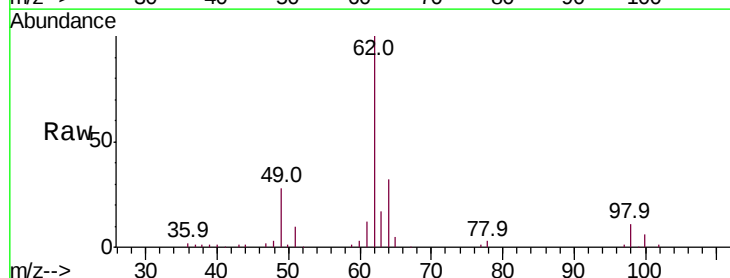
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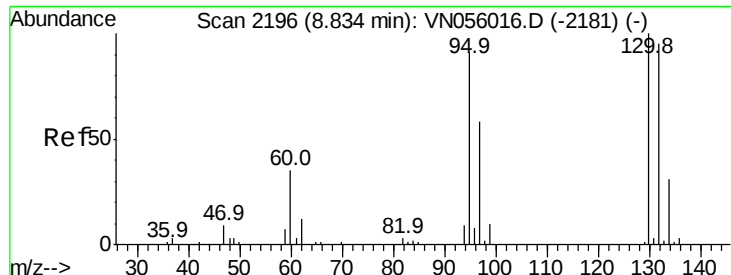
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#36
1,2-Dichloroethane
Concen: 19.993 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	8.6	13.0





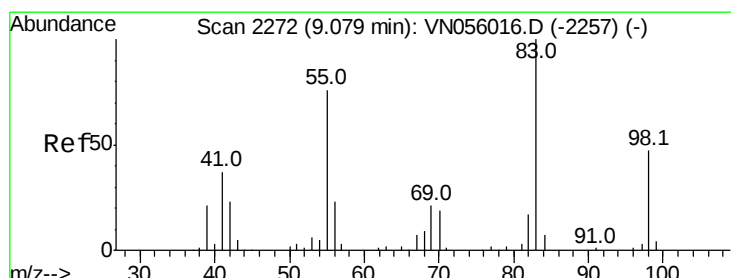
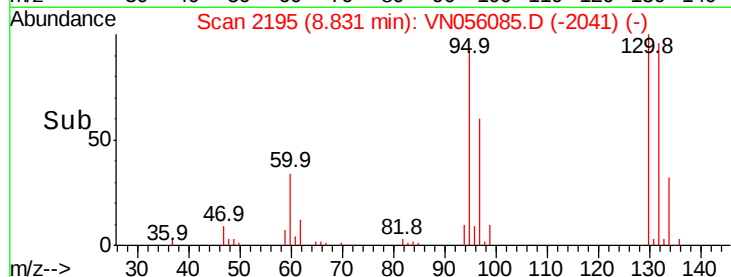
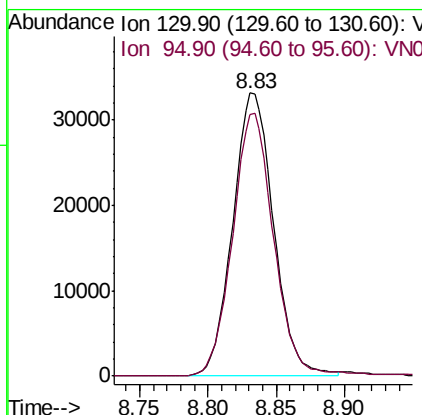
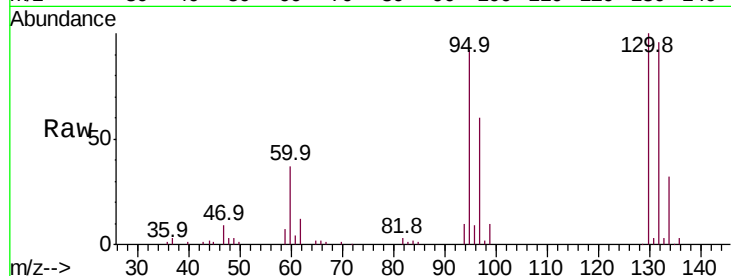
#37
 Trichloroethene
 Concen: 20.200 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 69034
 Ion Ratio Lower Upper
 130 100
 95 92.4 73.0 109.6

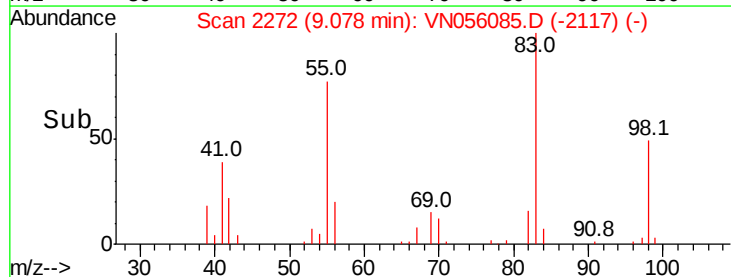
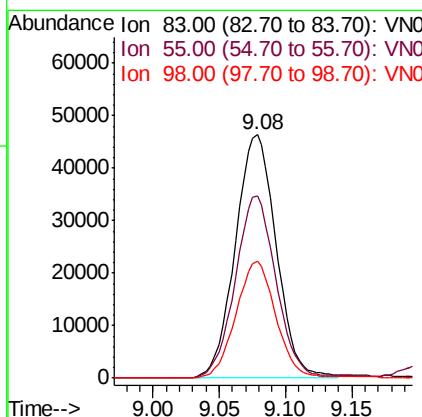
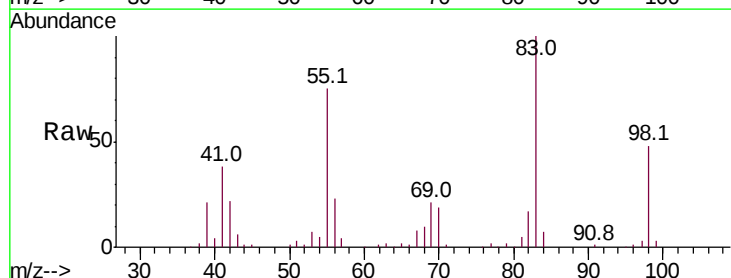
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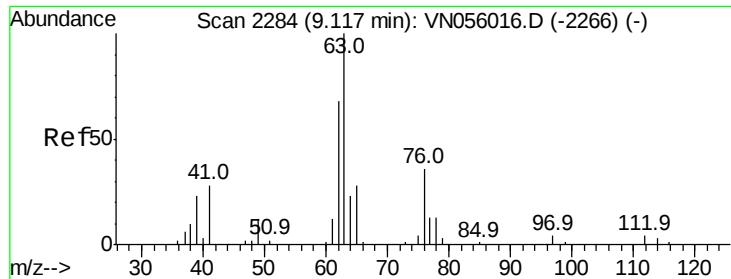
MMDadoda
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#38
 Methylcyclohexane
 Concen: 20.538 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion: 83 Resp: 99801
 Ion Ratio Lower Upper
 83 100
 55 74.3 37.5 112.7
 98 46.9 23.1 69.3





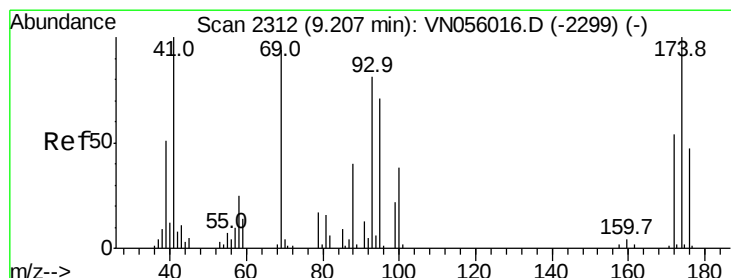
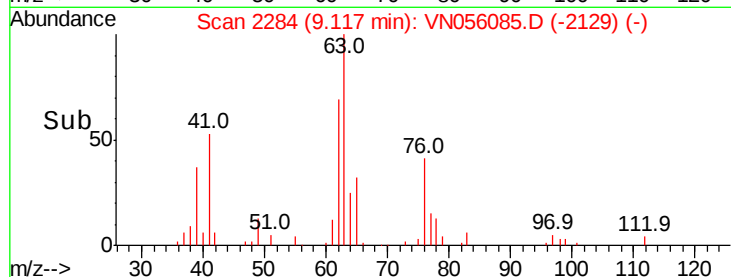
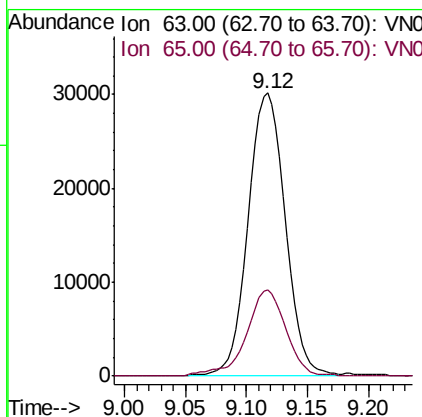
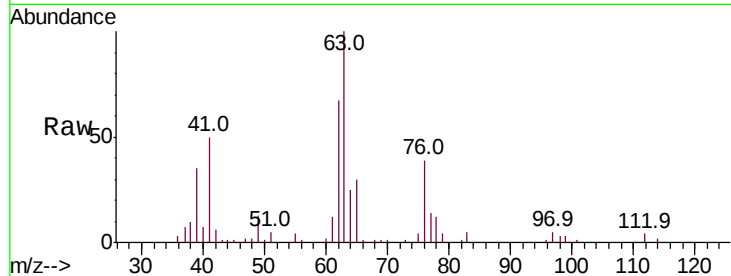
#39
 1,2-Dichloropropane
 Concen: 20.339 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 63619
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.1 34.7

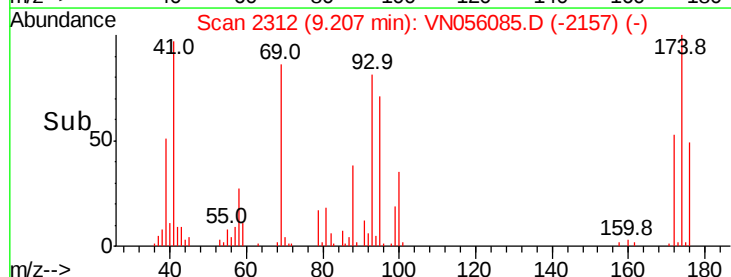
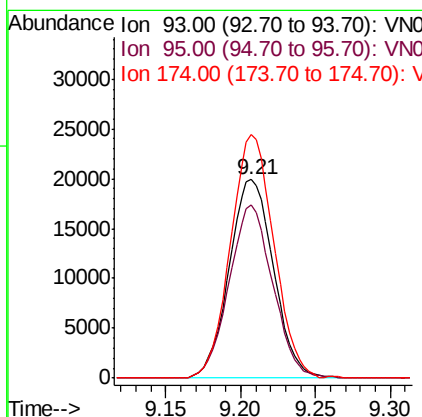
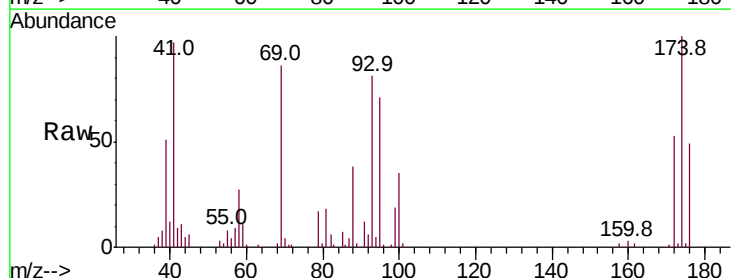
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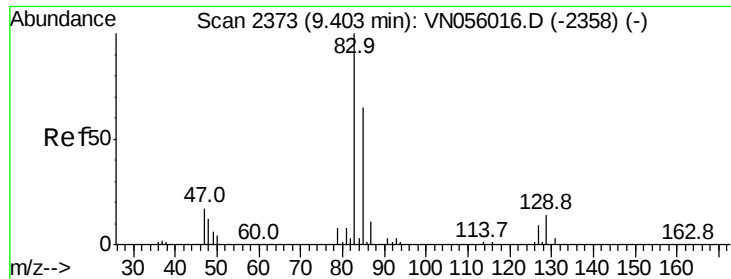
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#40
 Dibromomethane
 Concen: 19.817 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion: 93 Resp: 41099
 Ion Ratio Lower Upper
 93 100
 95 85.7 0.0 169.0
 174 119.6 0.0 246.4





#41

Bromodichloromethane

Concen: 18.889 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

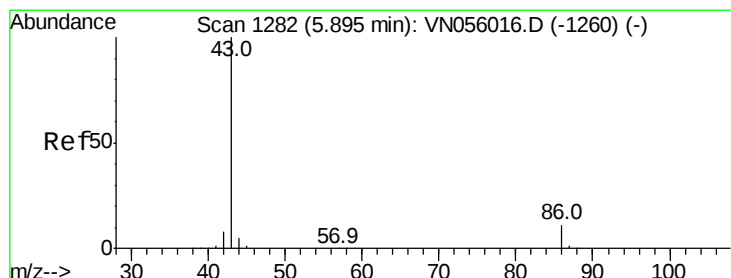
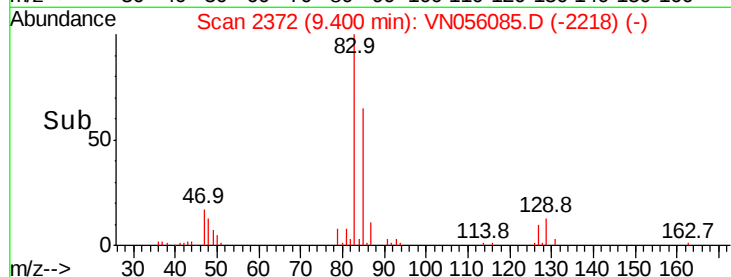
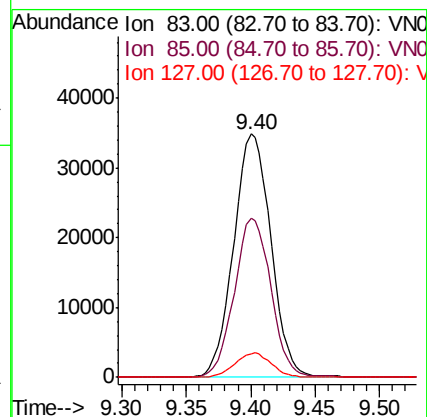
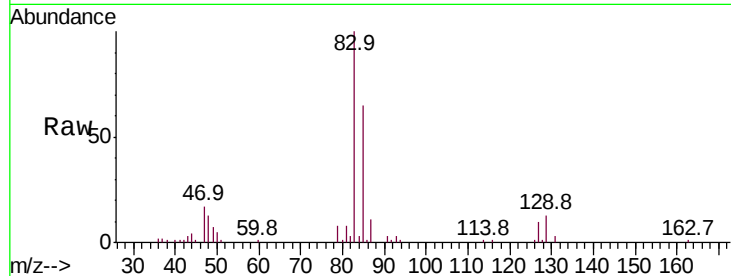
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	70147
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.8	77.6
127	9.8	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 98.855 ug/l

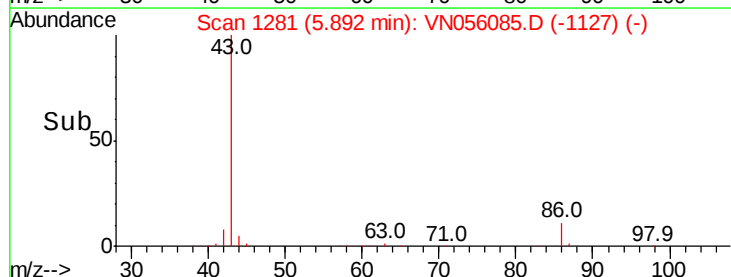
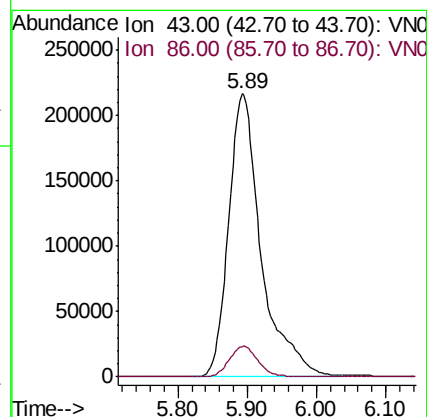
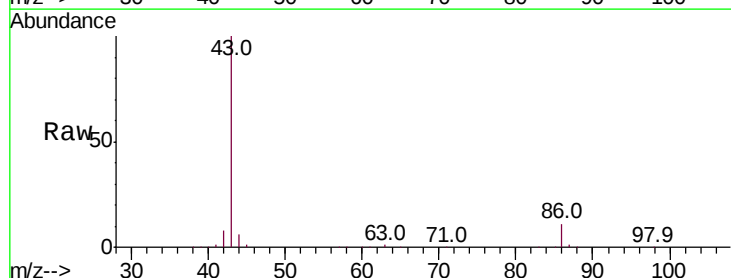
RT: 5.89 min Scan# 1281

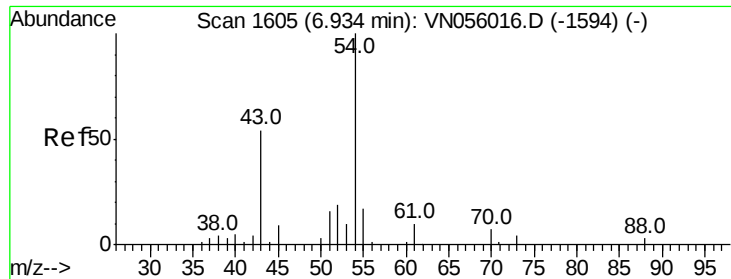
Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Tgt Ion:	43	Resp:	711171
Ion Ratio	Lower	Upper	
43	100		
86	9.6	7.9	11.9





#43

Ethyl Acetate

Concen: 19.078 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Tot Ion: 43 Resp: 73677

Ion Ratio Lower Upper

43 100

45 13.3 12.3 18.5

Instrument :

MSVOA_N

ClientSampleId :

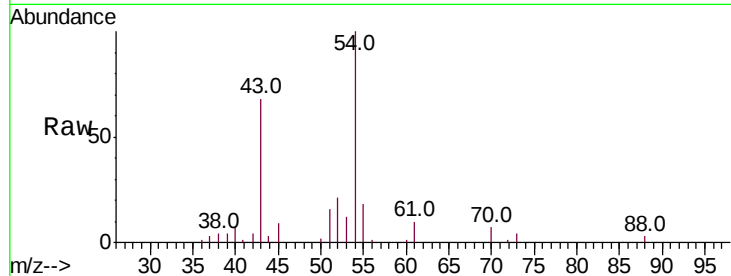
VSTDCCC020

Manual Integrations

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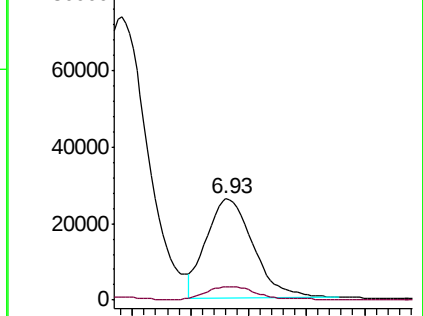
MMDadoda

6/10/2019 3:31:09 PM

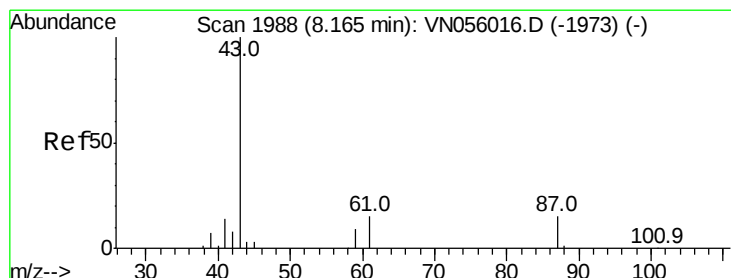
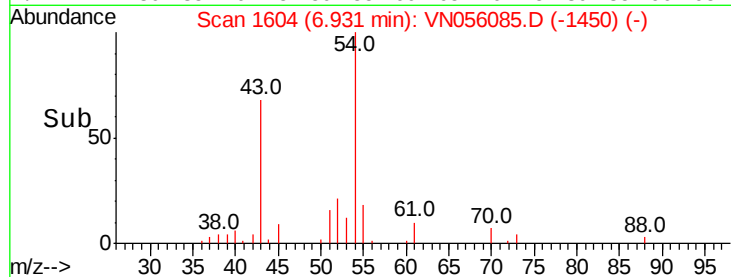


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



Time-->



#44

Isopropyl Acetate

Concen: 18.757 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056085.D

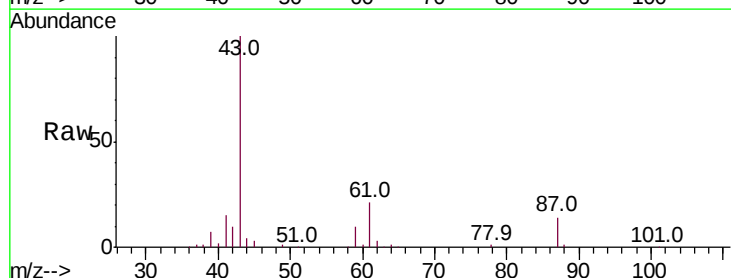
Acq: 7 Jun 2019 8:48

Tgt Ion: 43 Resp: 112475

Ion Ratio Lower Upper

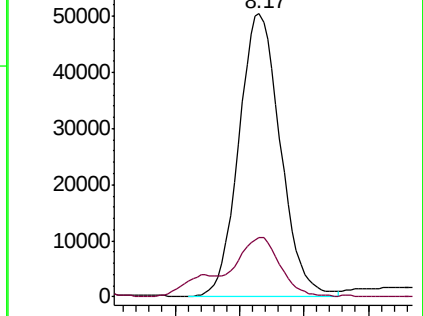
43 100

61 20.9 16.9 25.3

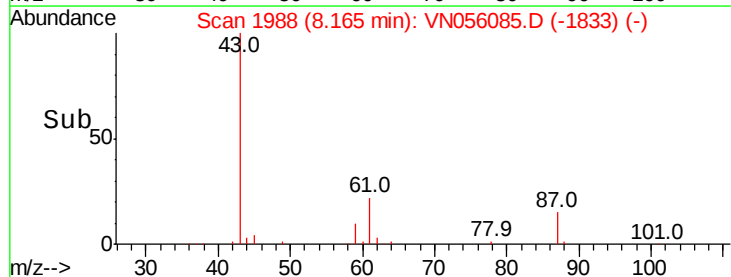


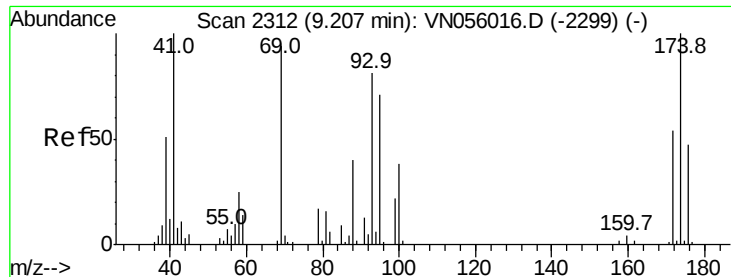
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->





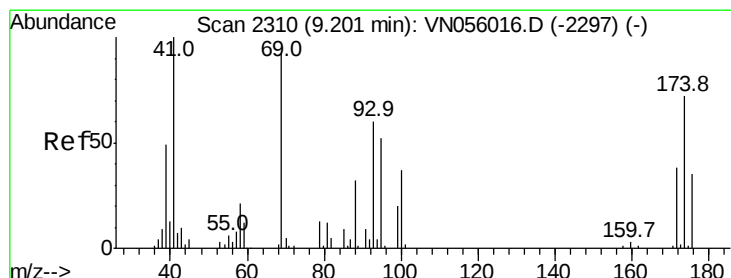
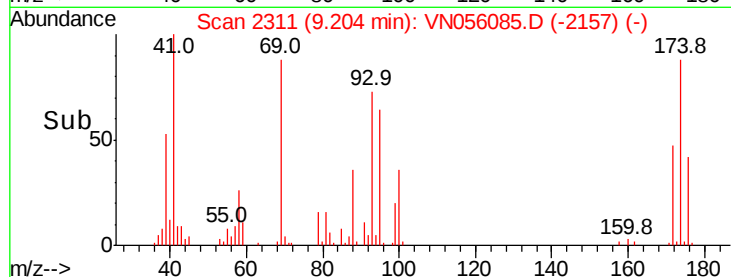
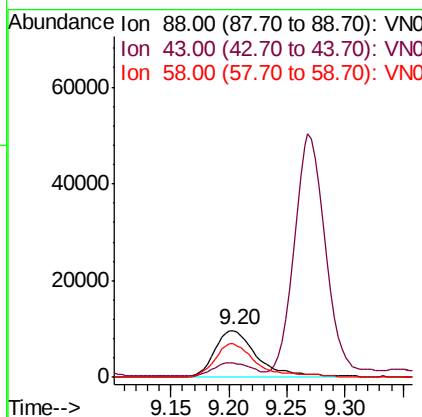
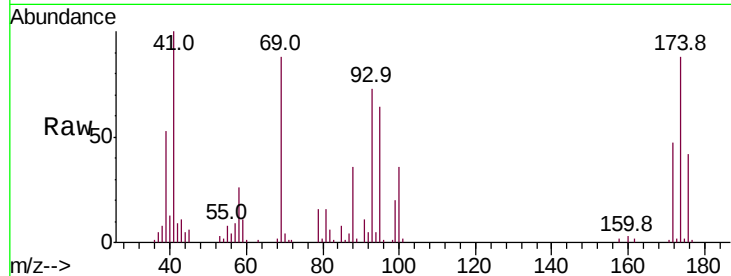
#45
 1,4-Dioxane
 Concen: 389.341 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.6	19.8	29.6
58	67.5	48.5	72.7

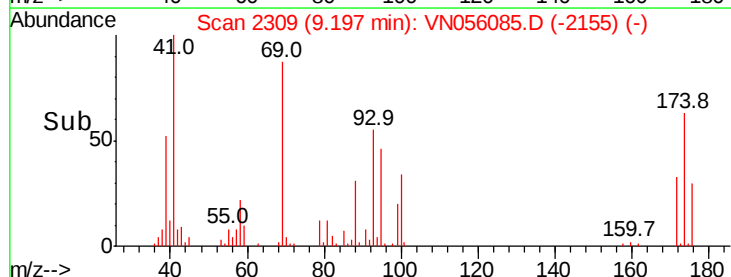
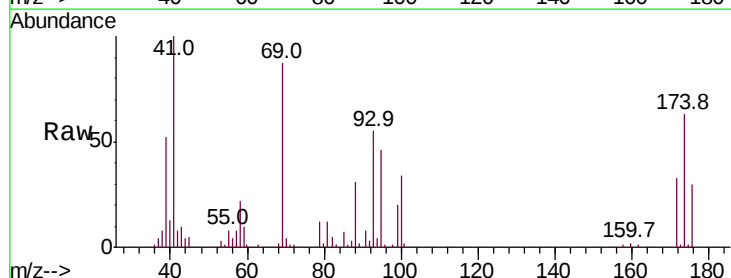
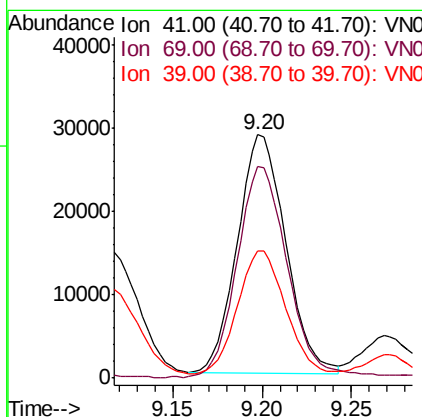
Manual Integrations
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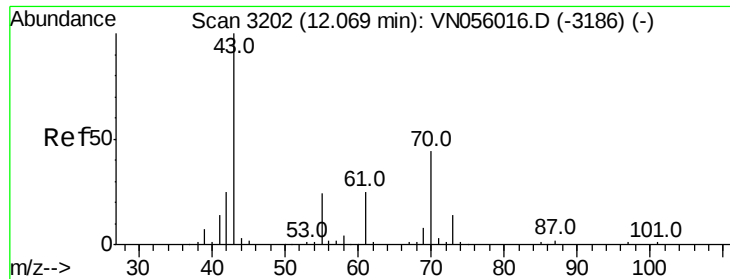
MMDadoda
 6/10/2019 3:31:09 PM



#46
 Methyl methacrylate
 Concen: 18.233 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.3	46.0	137.8
39	51.9	24.6	73.8





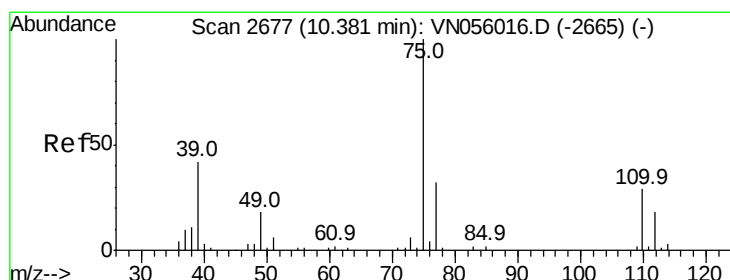
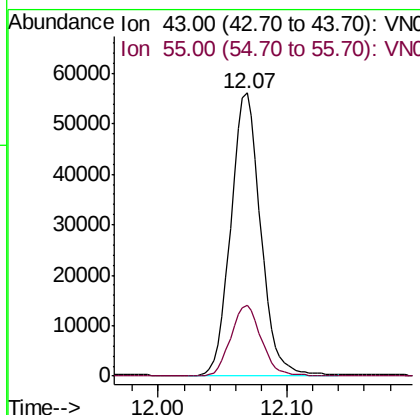
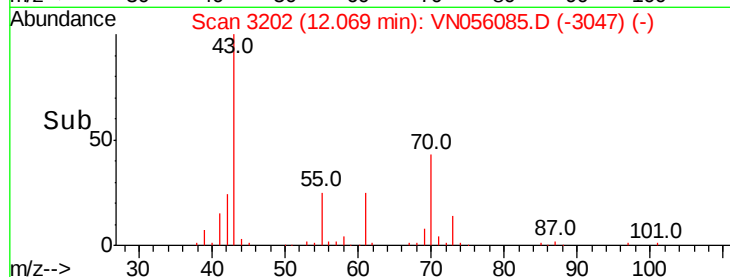
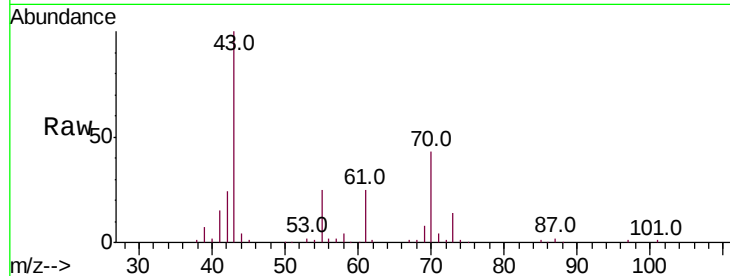
#47
n-amvl Acetate
Concen: 18.065 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 89582
Ion Ratio Lower Upper
43 100
55 25.8 19.0 28.6

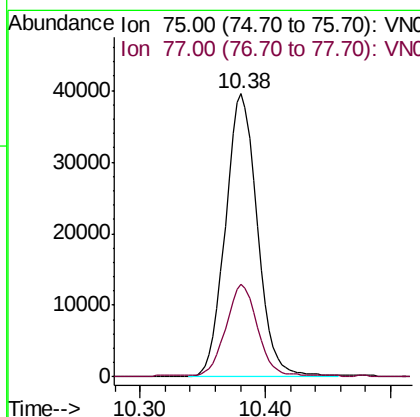
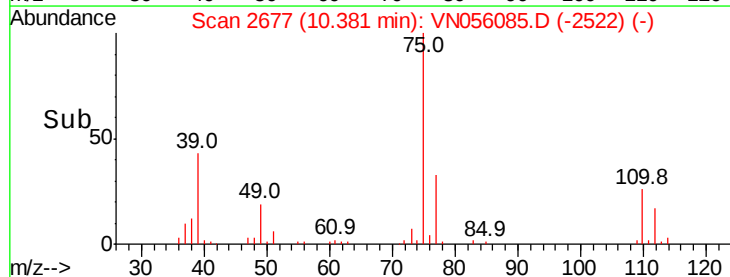
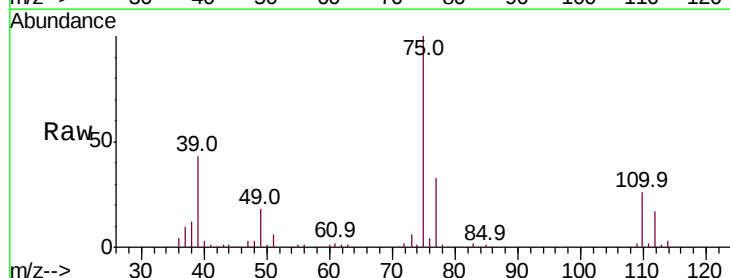
Manual Integrations
APPROVED

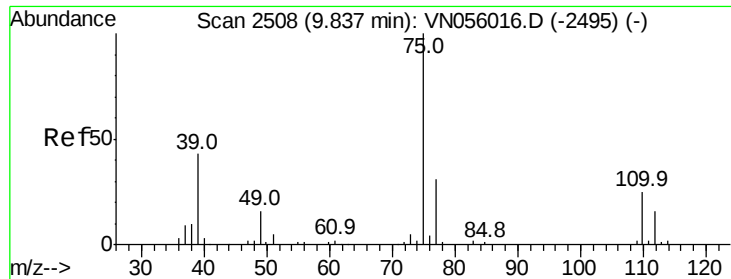
MMDadoda
6/10/2019 3:31:09 PM



#48
t-1,3-Dichloropropene
Concen: 17.890 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion: 75 Resp: 69916
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0





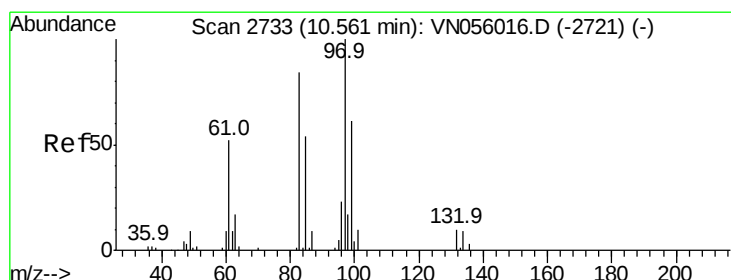
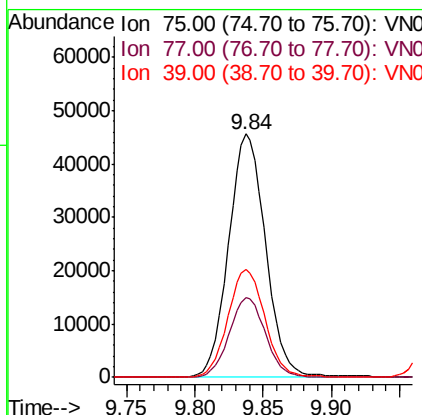
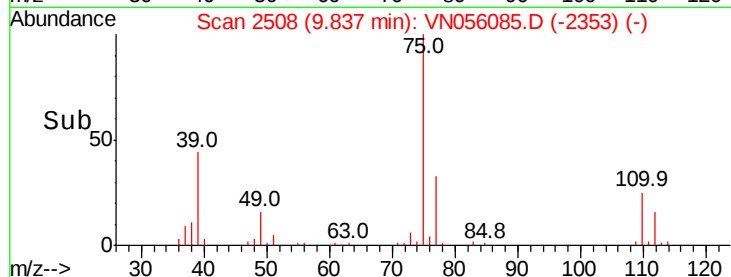
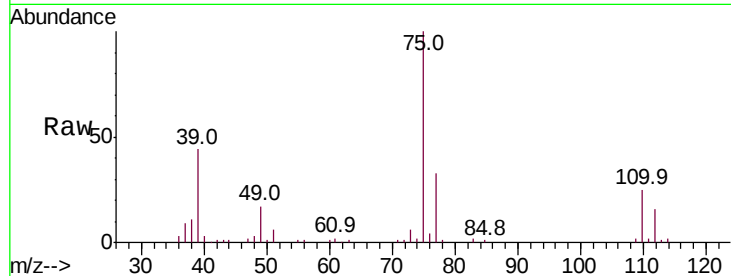
#49
 cis-1,3-Dichloropropene
 Concen: 18.756 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.1	37.7
39	44.1	34.3	51.5

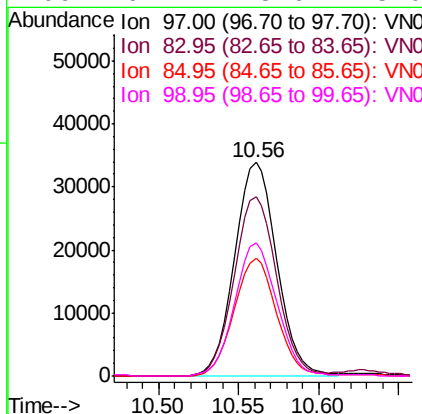
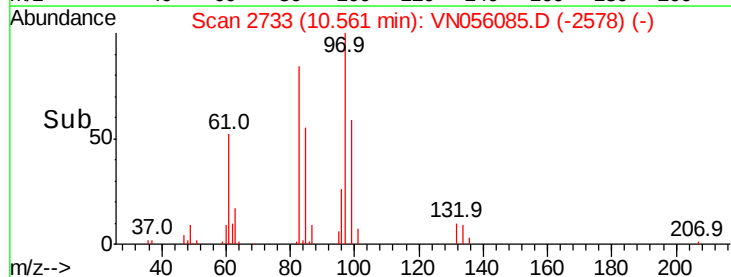
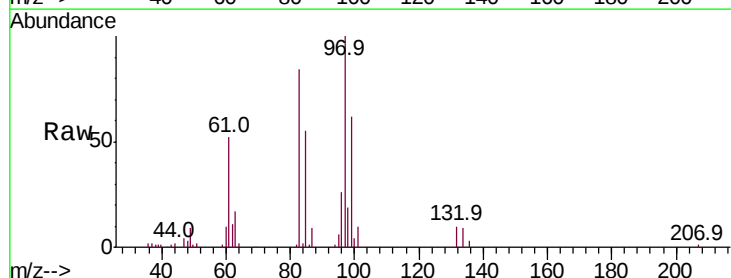
Manual Integrations
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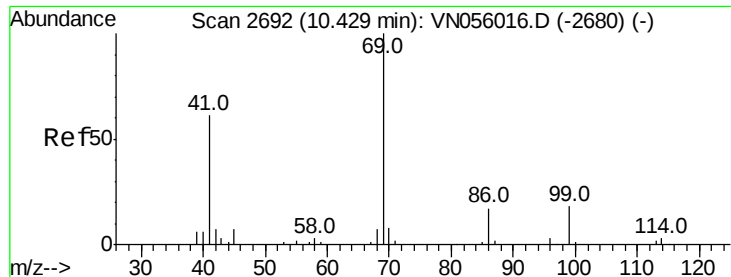
MMDadoda
 6/10/2019 3:31:09 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.832 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.9	100.3
85	55.1	43.3	64.9
99	62.2	48.6	73.0





#51

Ethyl methacrylate

Concen: 18.539 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

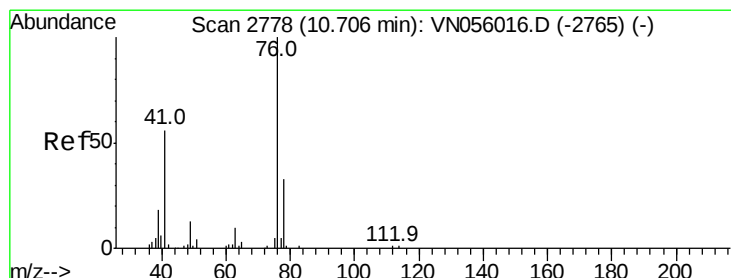
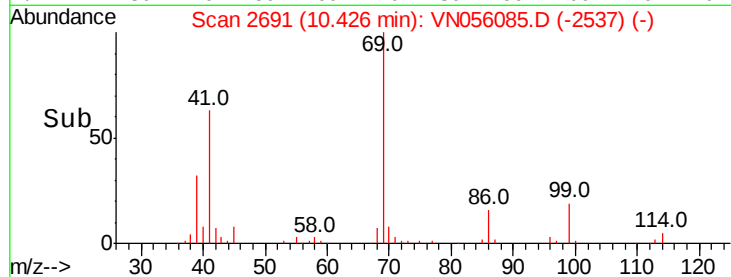
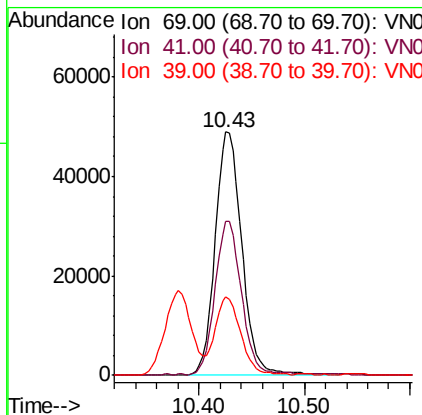
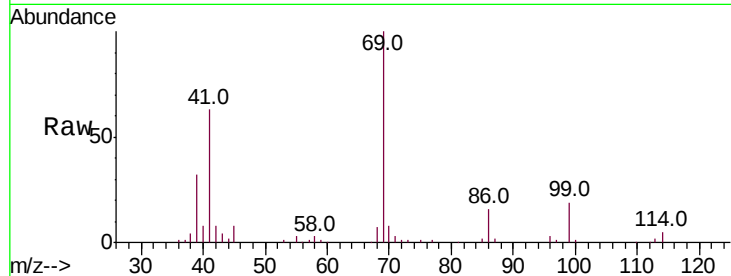
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	86396
Ion Ratio	Lower	Upper	
69	100		
41	62.8	30.8	92.3
39	32.1	14.5	43.6

Manual Integrations
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6/10/2019 3:31:09 PM



#52

1,3-Dichloropropane

Concen: 19.628 ug/l

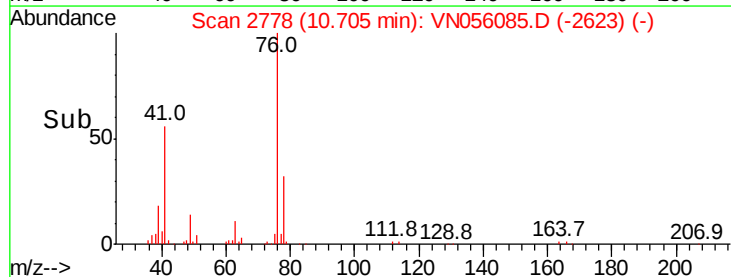
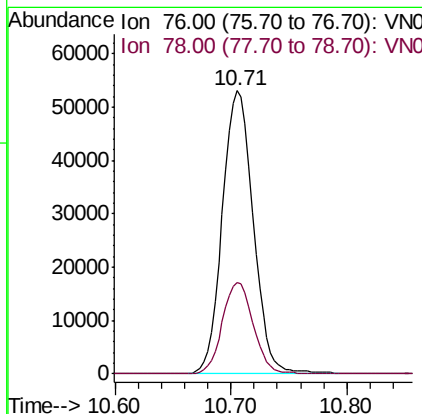
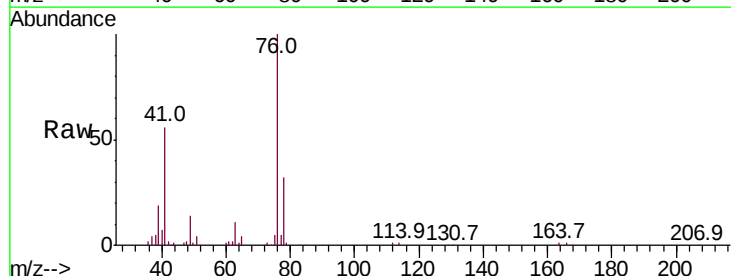
RT: 10.71 min Scan# 2778

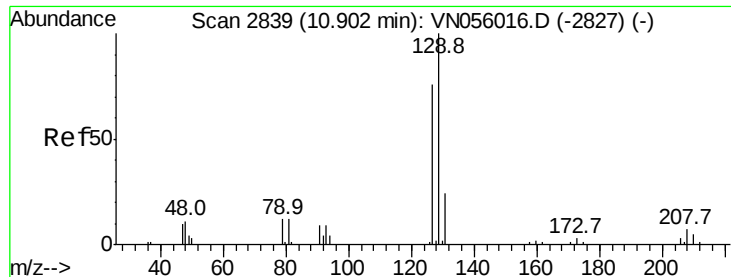
Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Tgt Ion:	76	Resp:	98019
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	63.4





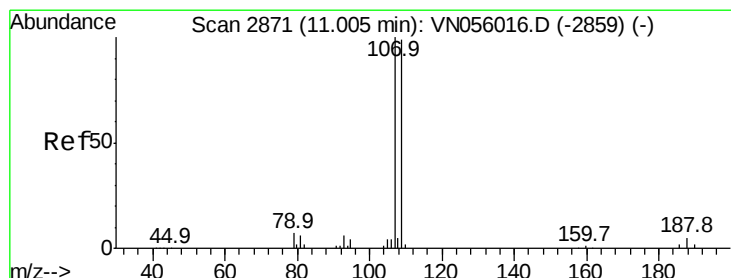
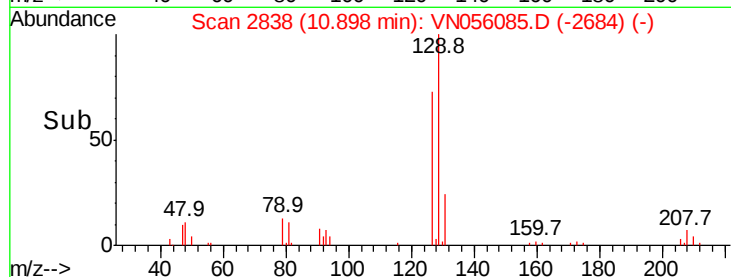
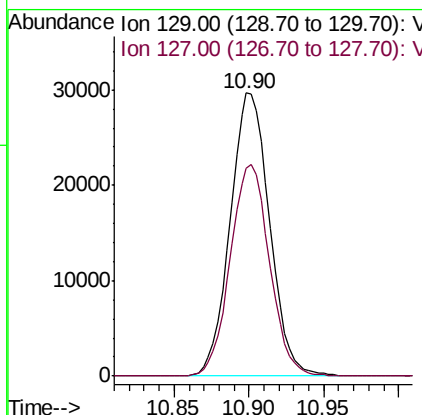
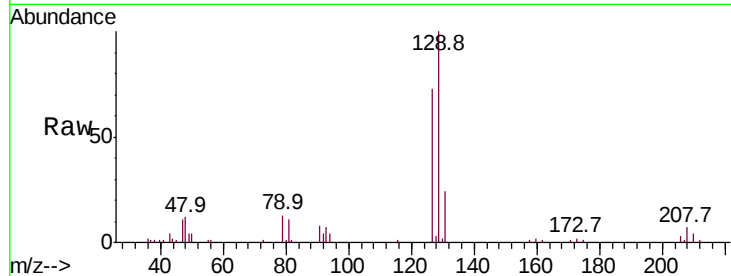
#53
Dibromochloromethane
Concen: 18.026 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:129 Resp: 54356
Ion Ratio Lower Upper
129 100
127 74.6 39.1 117.5

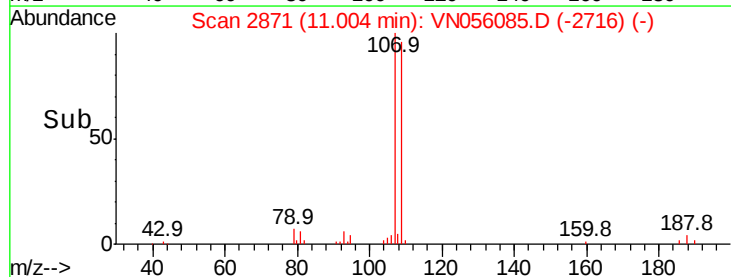
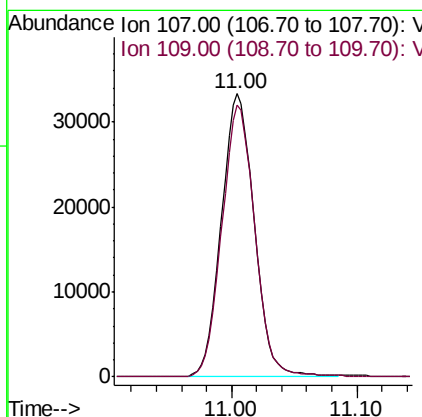
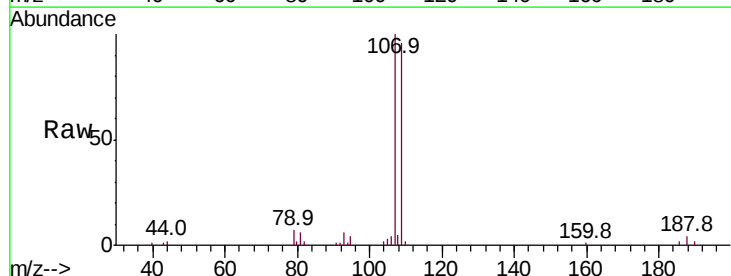
Manual Integrations
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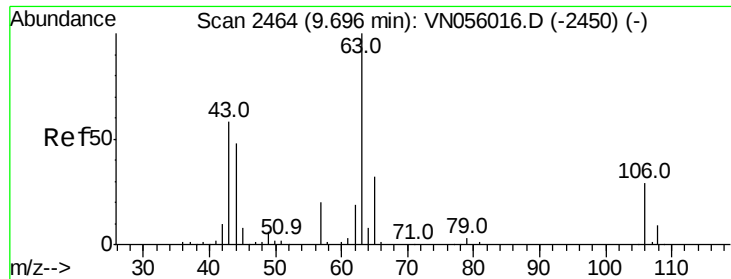
MMDadoda
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#54
1,2-Dibromoethane
Concen: 18.841 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion:107 Resp: 60564
Ion Ratio Lower Upper
107 100
109 96.1 76.8 115.2





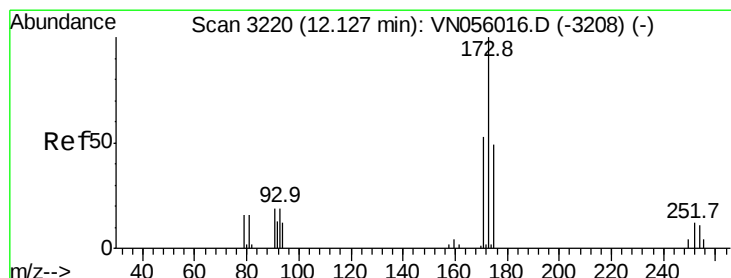
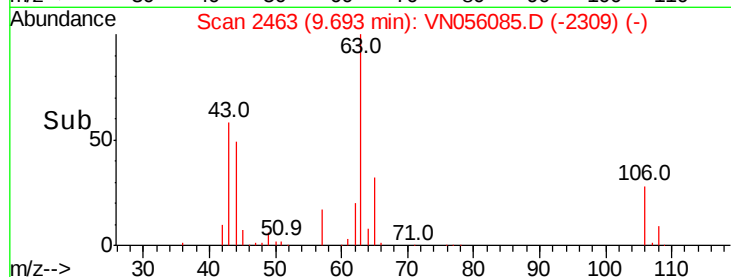
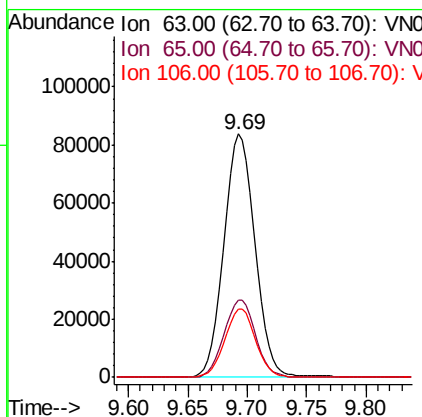
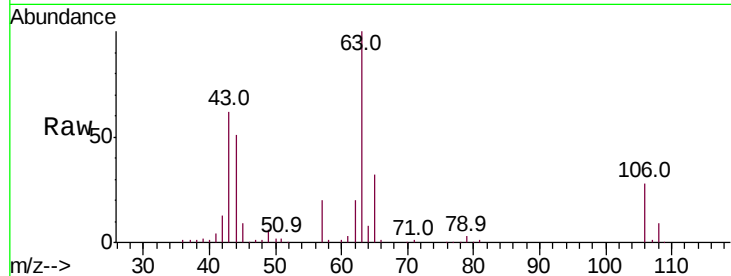
#55
2-Chloroethyl vinyl ether
Concen: 93.170 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.5	38.3
106	28.0	23.0	34.4

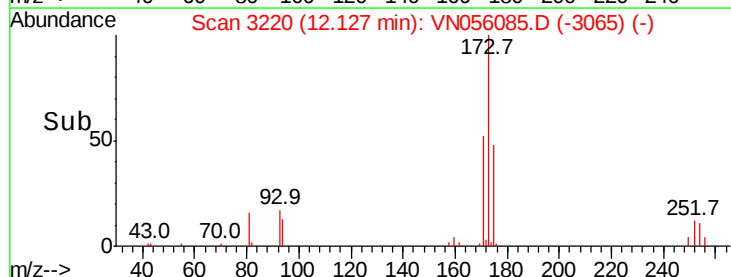
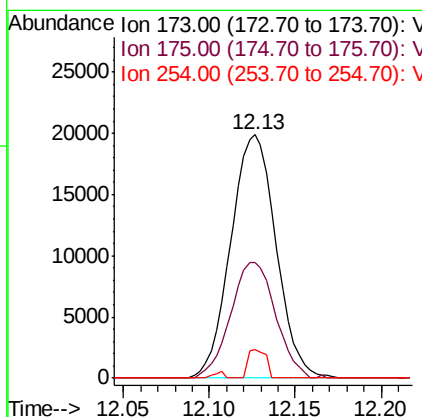
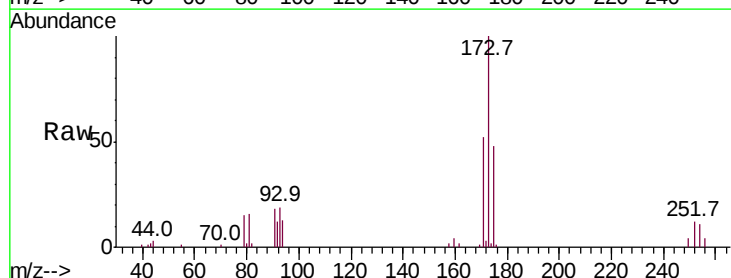
Manual Integrations
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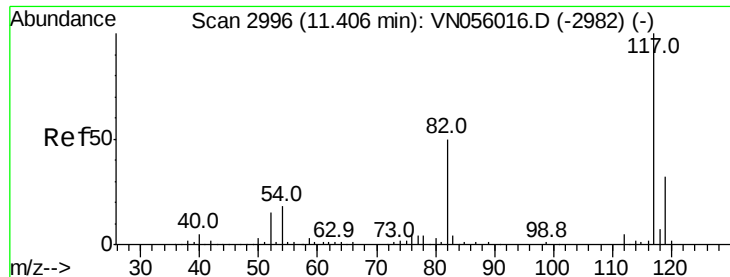
MMDadoda
6/10/2019 3:31:09 PM



#56
Bromoform
Concen: 16.643 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.2	38.7	58.1
254	4.5	6.6	9.8#





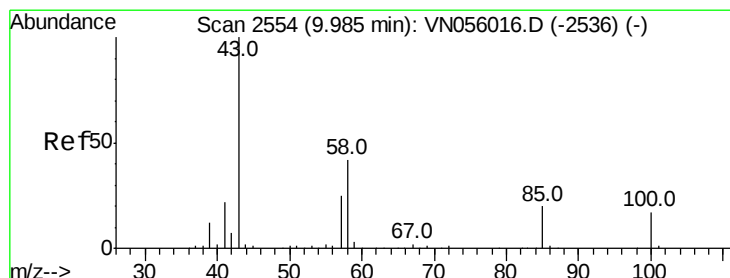
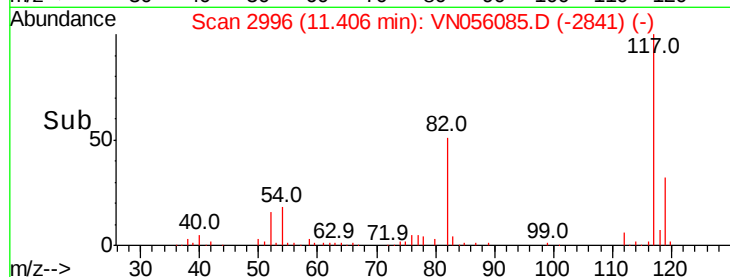
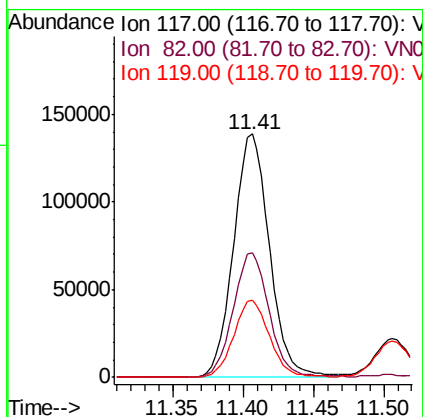
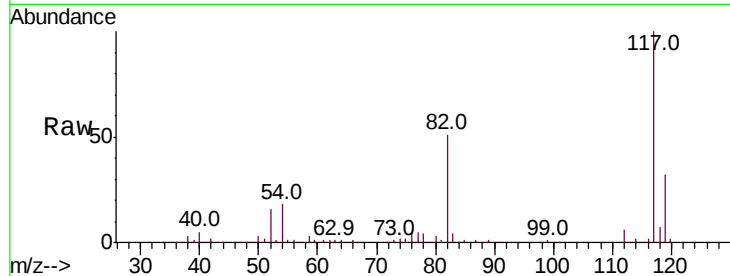
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.2	61.8
119	31.6	26.2	39.2

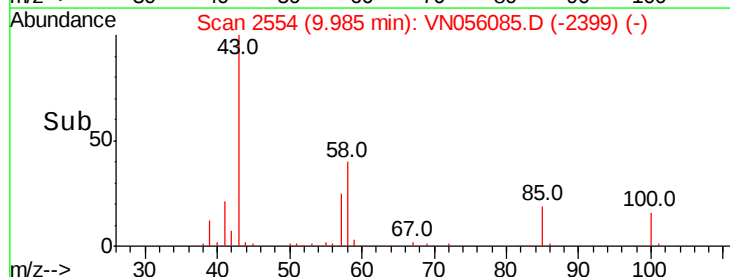
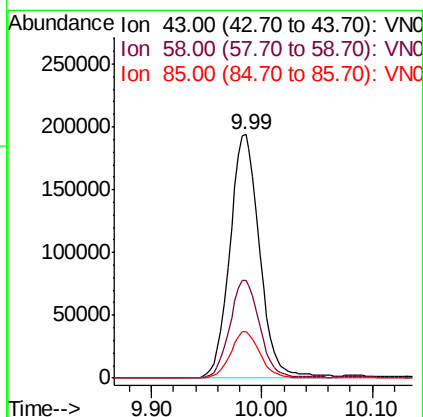
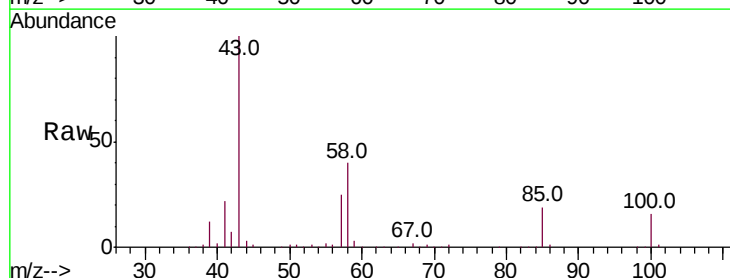
Manual Integrations
APPROVED

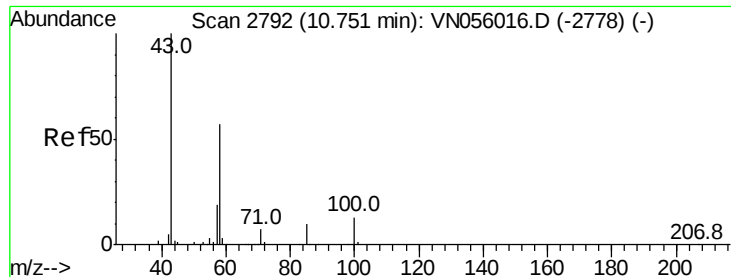
MMDadoda
6/10/2019 3:31:09 PM



#58
4-Methyl-2-Pentanone
Concen: 96.507 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.6	33.1	49.7
85	18.8	15.5	23.3





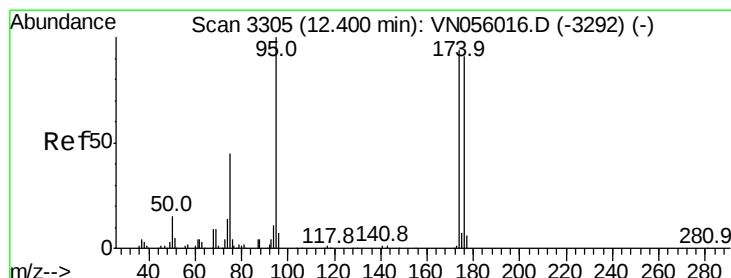
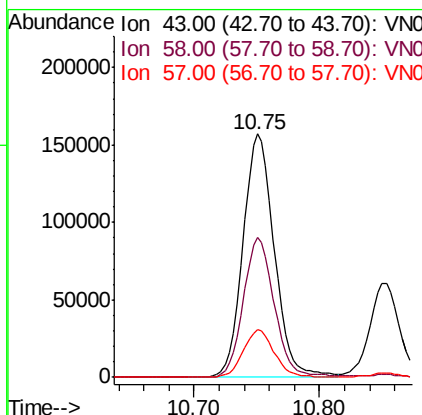
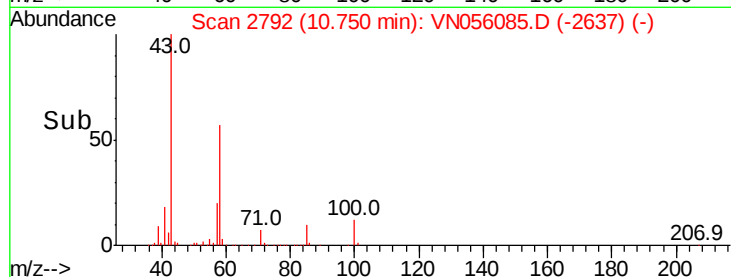
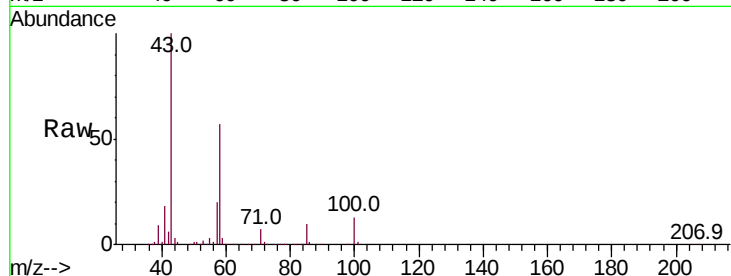
#59
2-Hexanone
Concen: 101.914 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	45.3	67.9
57	19.4	15.6	23.4

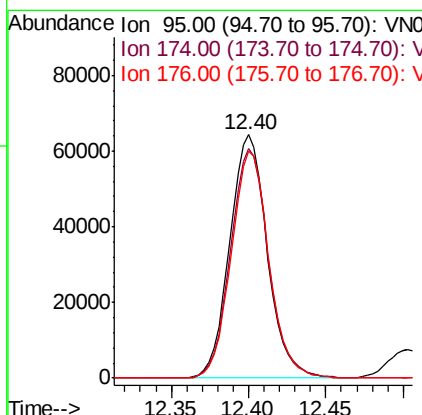
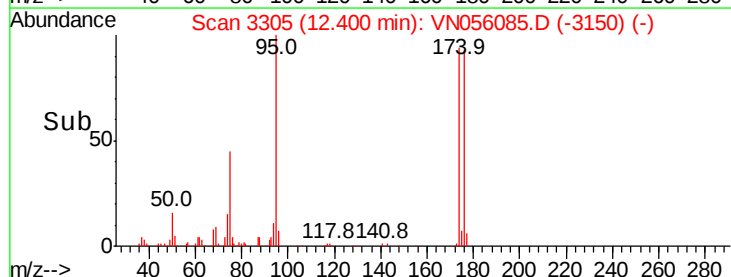
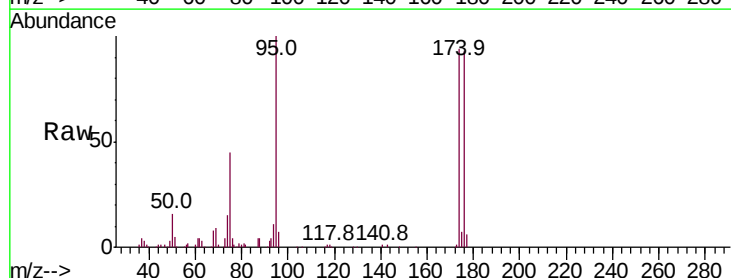
Manual Integrations
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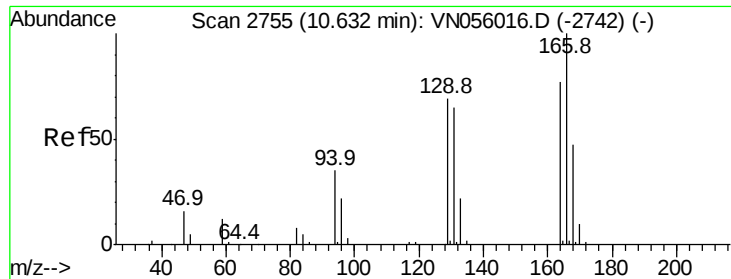
MMDadoda
6/10/2019 3:31:09 PM



#60
4-Bromofluorobenzene
Concen: 29.468 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.2	75.4	113.0
176	93.4	73.9	110.9





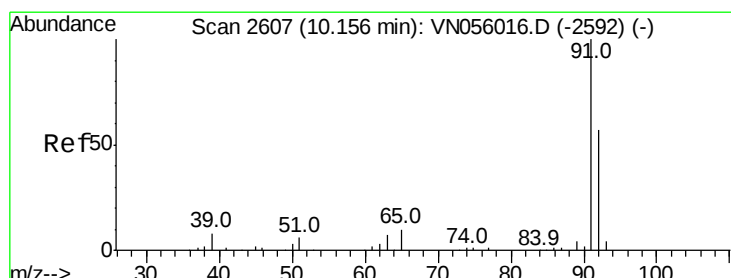
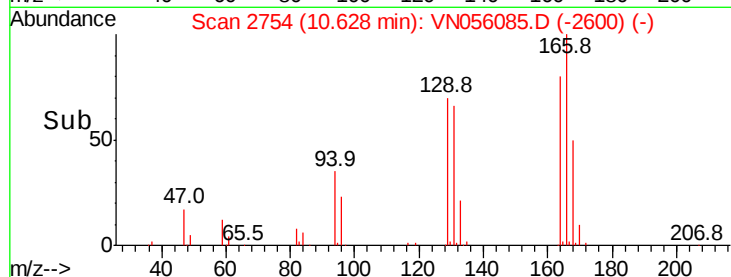
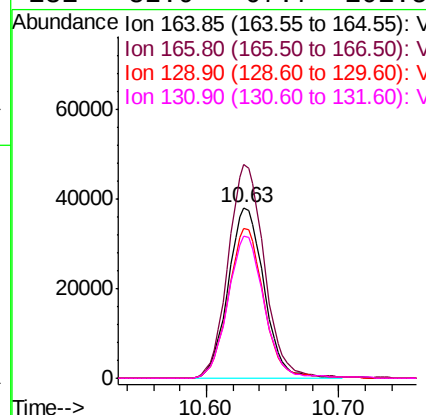
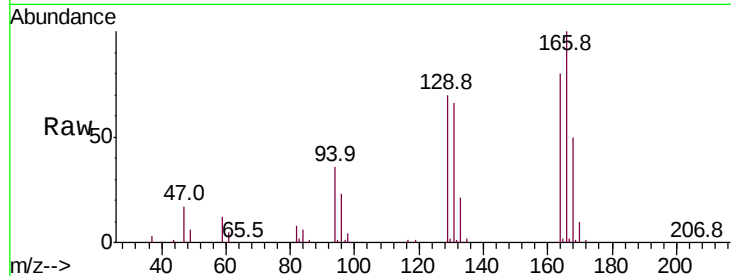
#61
Tetrachloroethene
Concen: 20.686 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.1	104.3	156.5
129	87.9	71.5	107.3
131	82.9	67.7	101.5

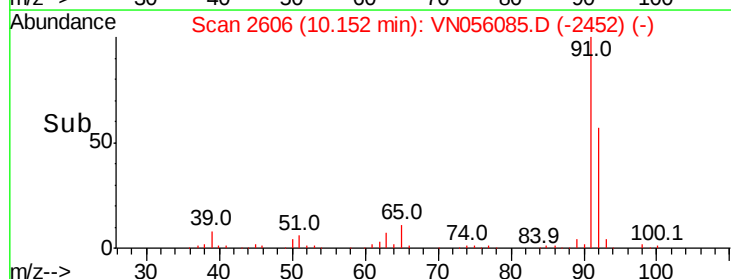
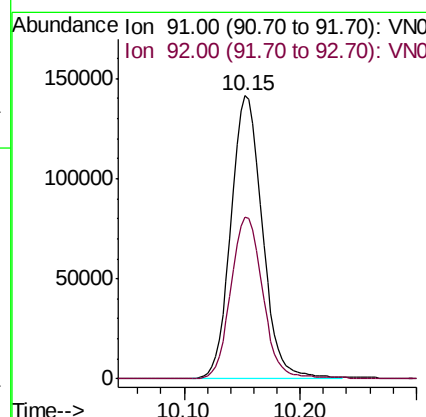
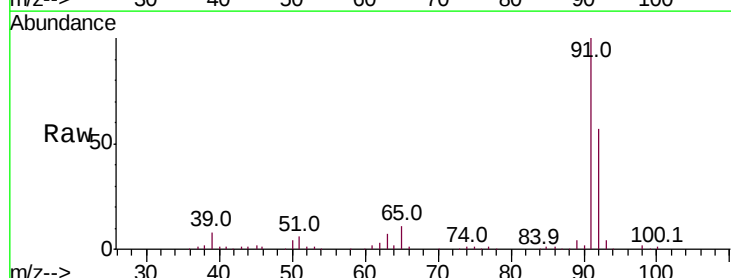
Manual Integrations
APPROVED

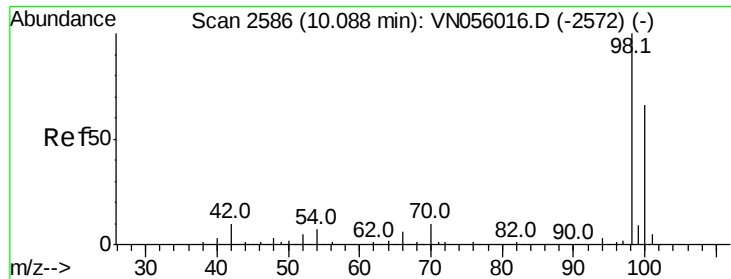
MMDadoda
6/10/2019 3:31:09 PM



#62
Toluene
Concen: 19.854 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	45.5	68.3





#63

Toluene-d8

Concen: 30.315 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 340818

Ion Ratio Lower Upper

98 100

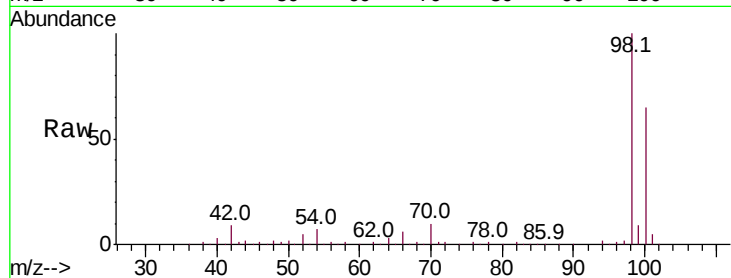
100 64.5 52.2 78.4

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Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-2572) (-)

10.09

200000

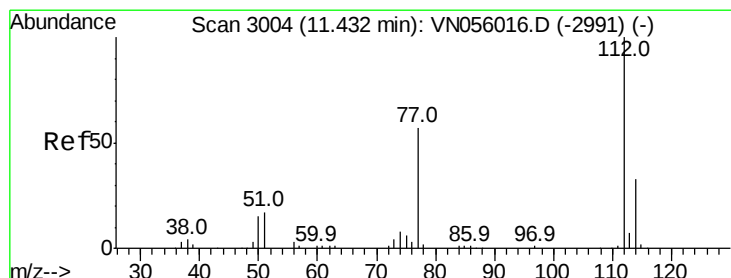
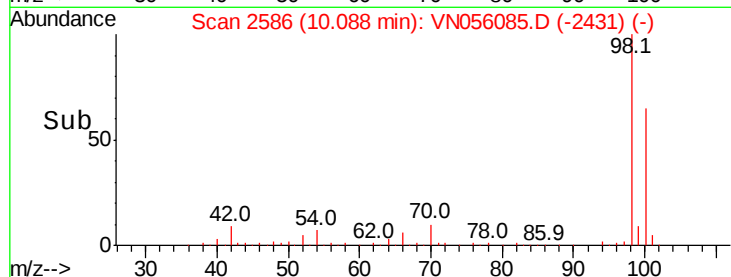
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 19.950 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056085.D

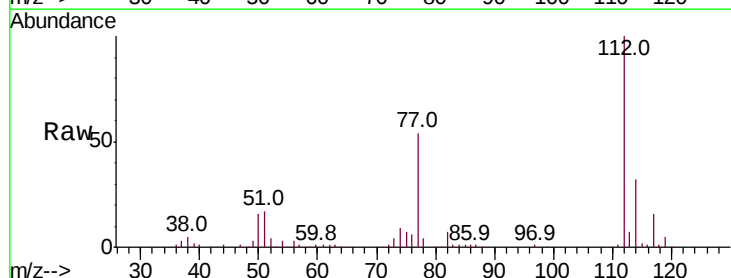
Acq: 7 Jun 2019 8:48

Tgt Ion: 112 Resp: 161899

Ion Ratio Lower Upper

112 100

114 31.6 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056016.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056016.D (-2991) (-)

11.43

100000

80000

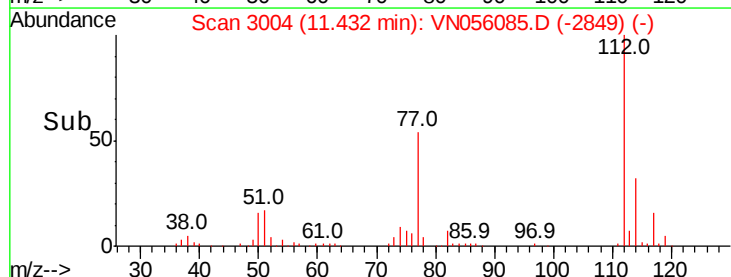
60000

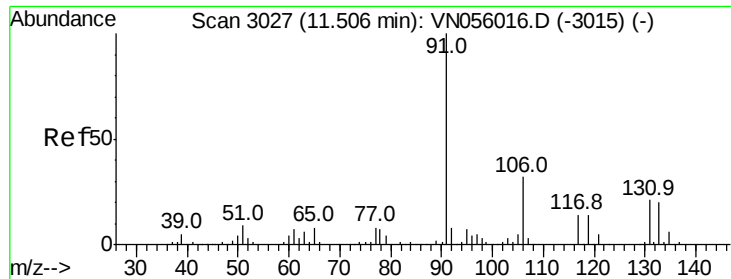
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.135 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

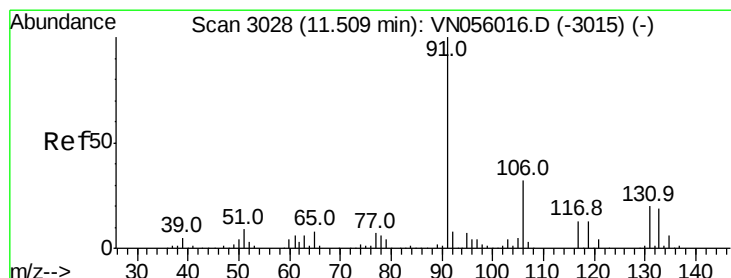
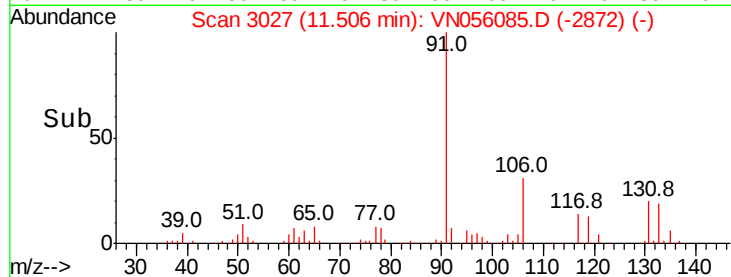
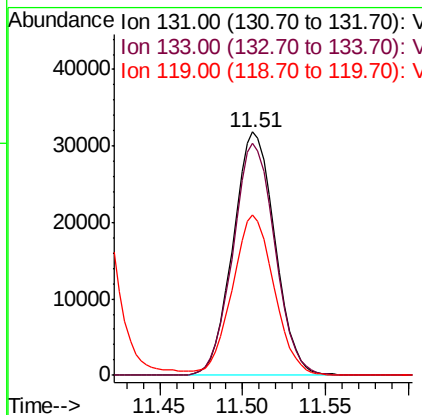
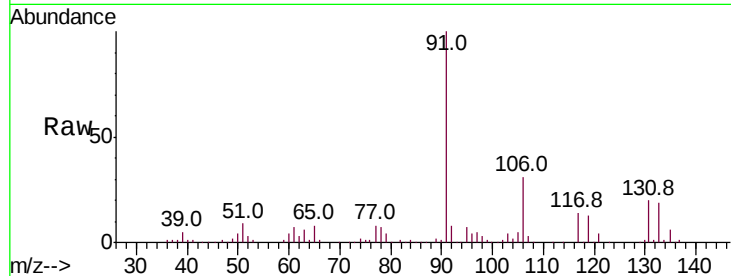
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	55995
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	193.8
119	65.6	0.0	134.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.934 ug/l

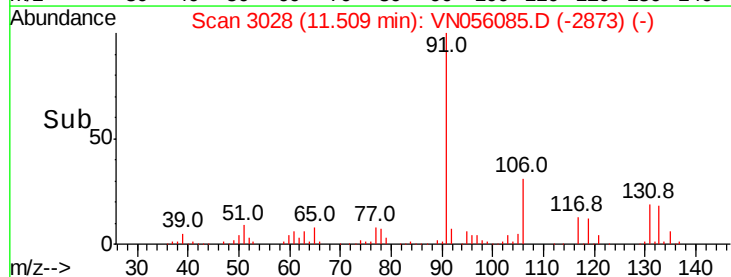
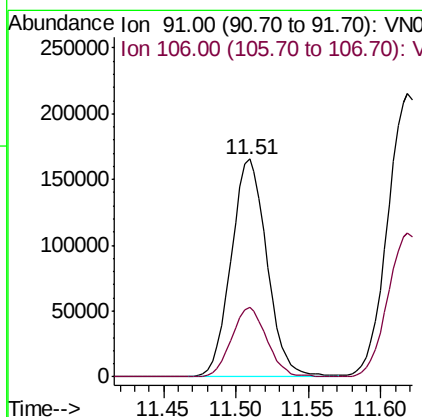
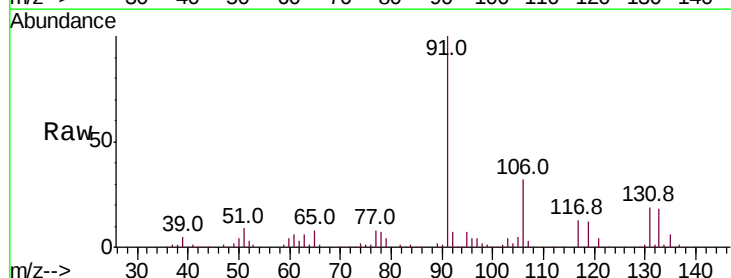
RT: 11.51 min Scan# 3028

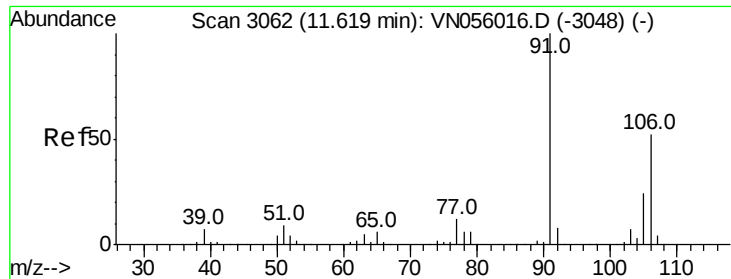
Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Tgt Ion:	91	Resp:	284061
Ion Ratio	Lower	Upper	
91	100		
106	31.9	25.7	38.5





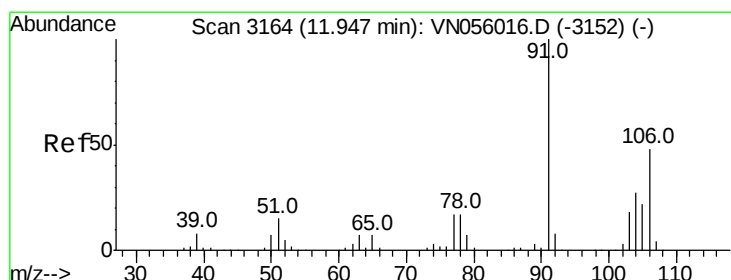
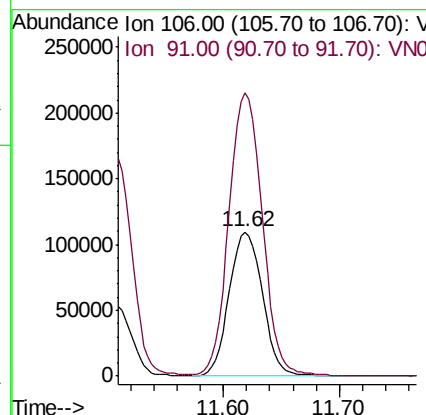
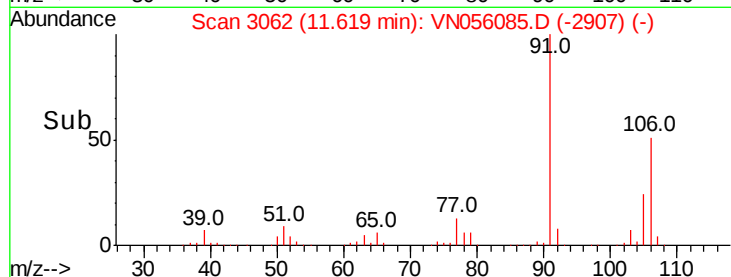
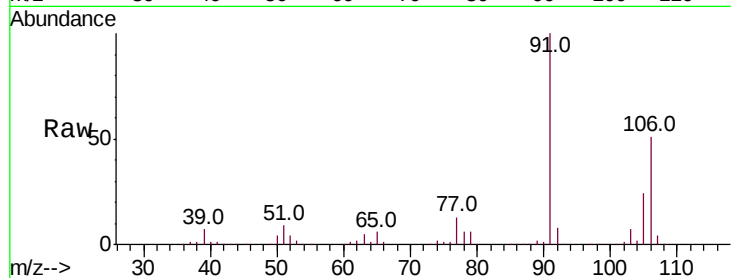
#67
m/p-Xylenes
Concen: 40.214 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 219339
Ion Ratio Lower Upper
106 100
91 196.6 155.7 233.5

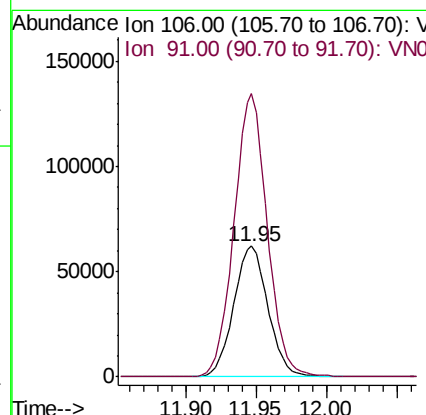
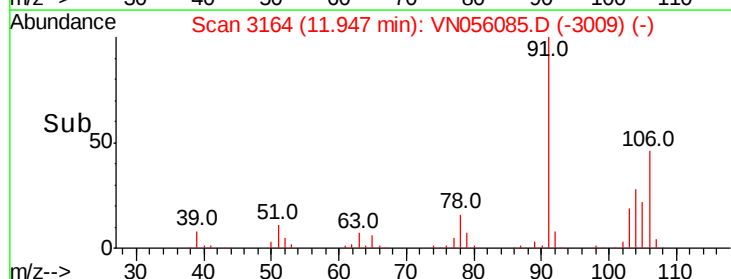
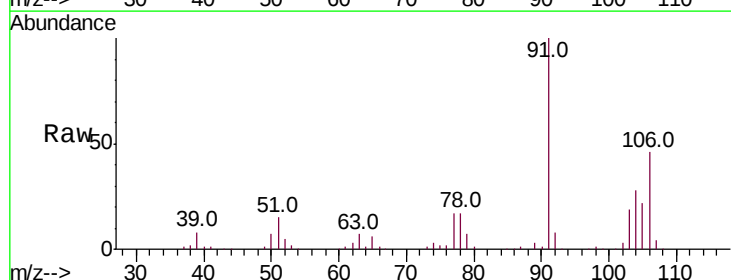
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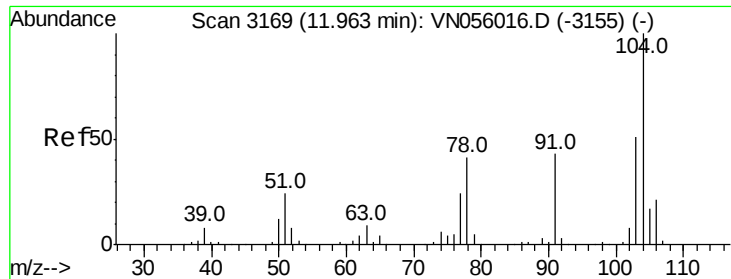
MMDadoda
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#68
o-Xylene
Concen: 19.813 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion:106 Resp: 105794
Ion Ratio Lower Upper
106 100
91 209.8 103.9 311.7





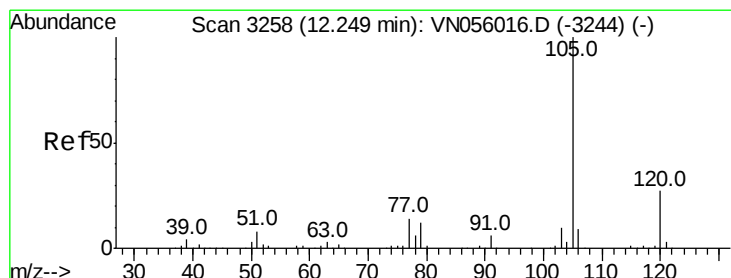
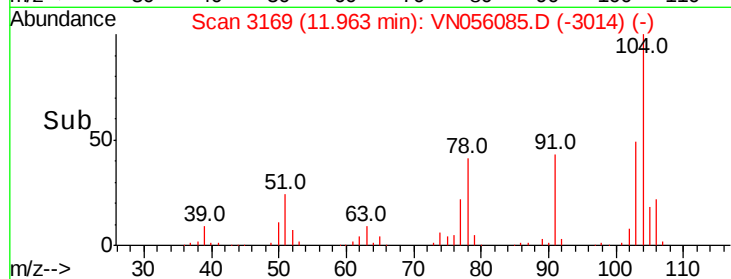
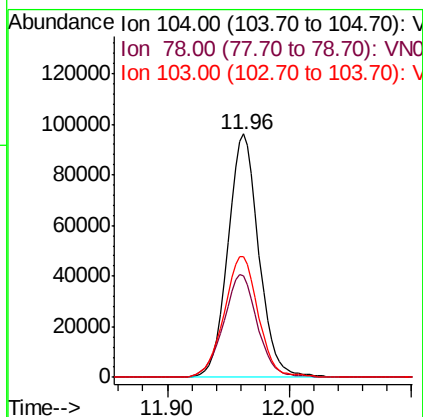
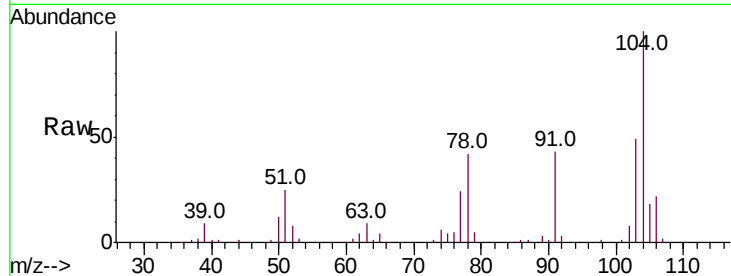
#69
Stvrene
Concen: 19.623 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.5	37.0	55.6
103	55.0	44.4	66.6

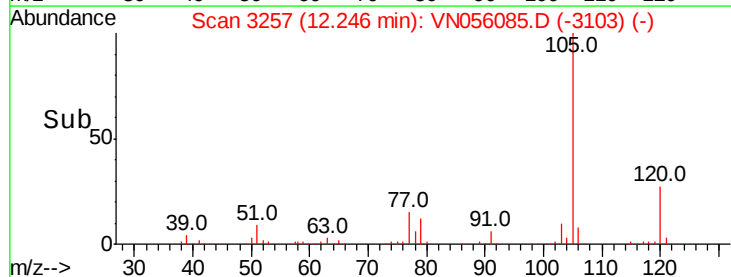
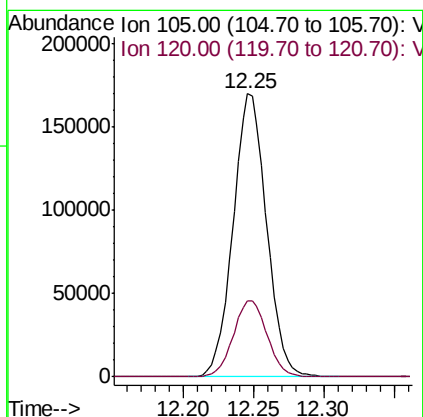
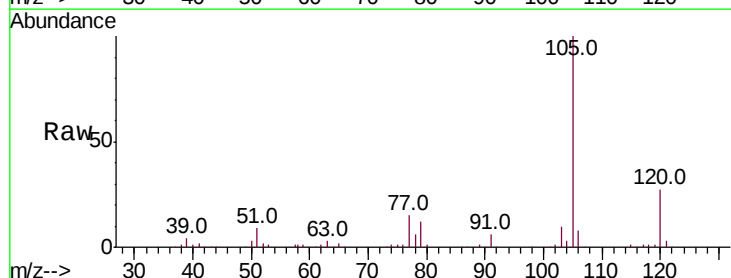
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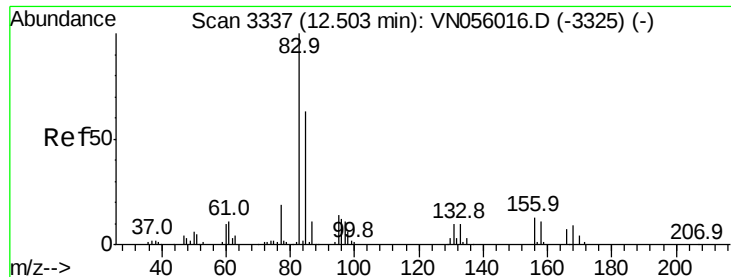
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#70
Isopropylbenzene
Concen: 20.230 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	19.3	35.8





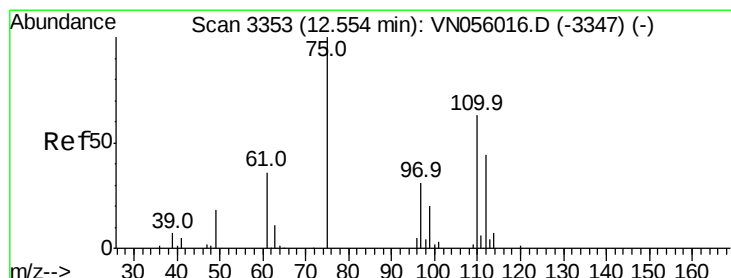
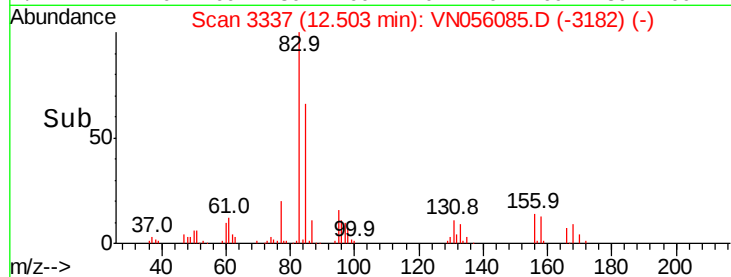
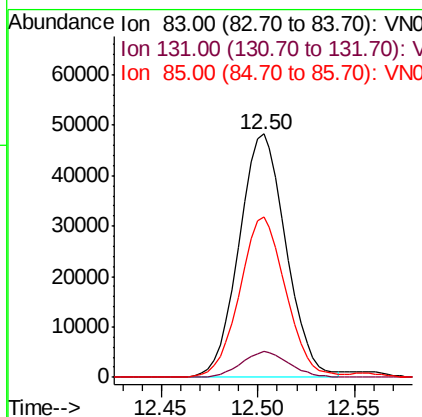
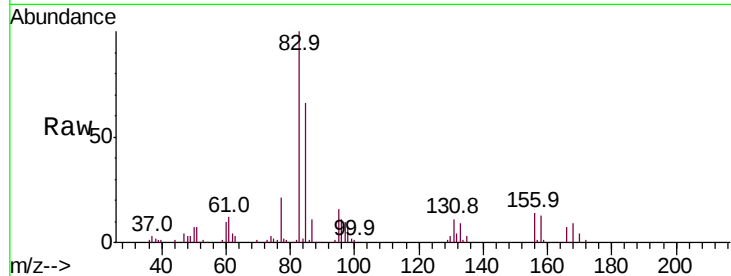
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.422 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	81692
Ion Ratio	100	Lower	Upper
131	10.8	5.2	15.6
85	64.4	31.6	94.7

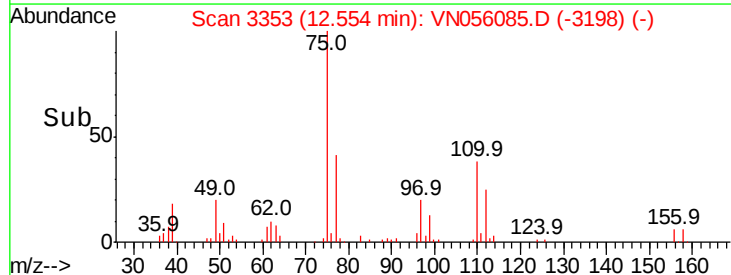
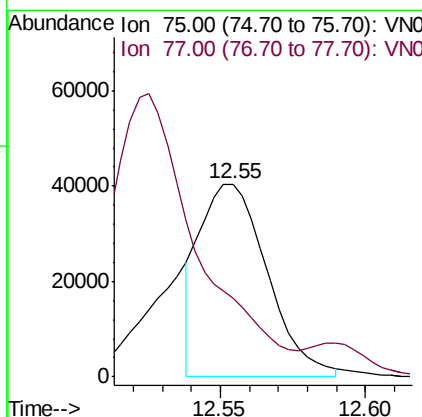
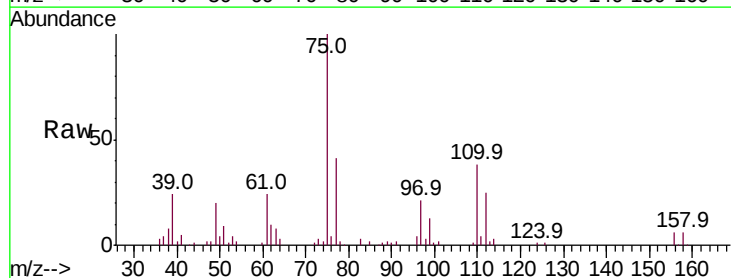
Manual Integrations
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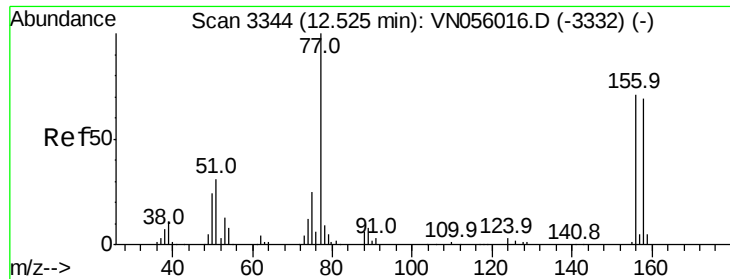
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 6/10/2019 3:31:09 PM



#72
 1,2,3-Trichloropropane
 Concen: 17.933 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion	75	Resp	65301
Ion Ratio	100	Lower	Upper
77	195.0	0.0	350.0





#73

Bromobenzene

Concen: 19.772 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

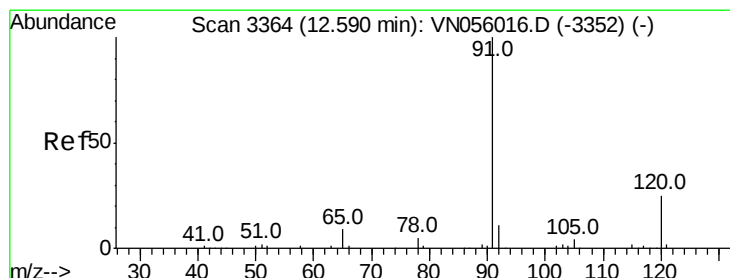
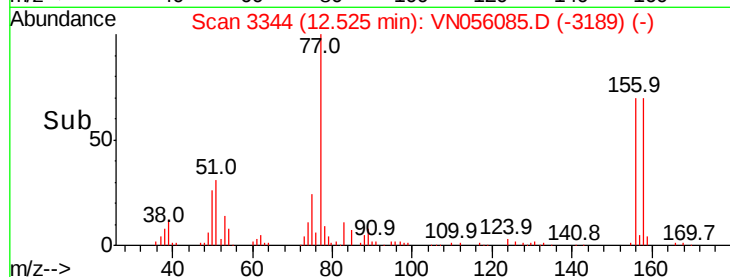
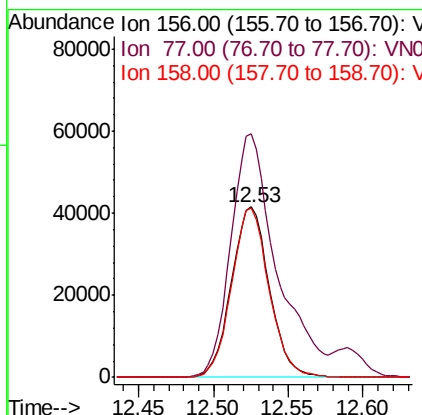
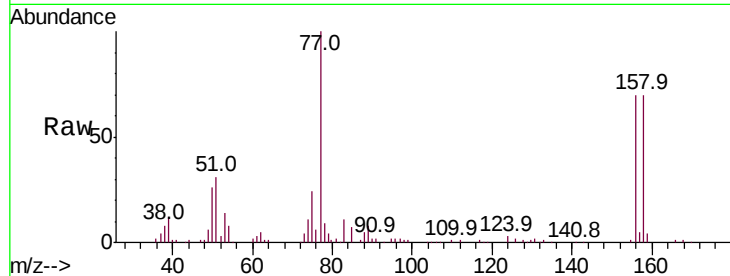
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	73219
Ion Ratio	Lower	Upper	
156	100		
77	173.9	0.0	350.8
158	98.2	0.0	193.2

Manual Integrations
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#74

n-propylbenzene

Concen: 20.186 ug/l

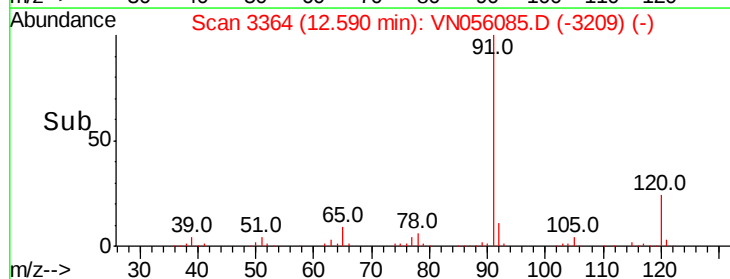
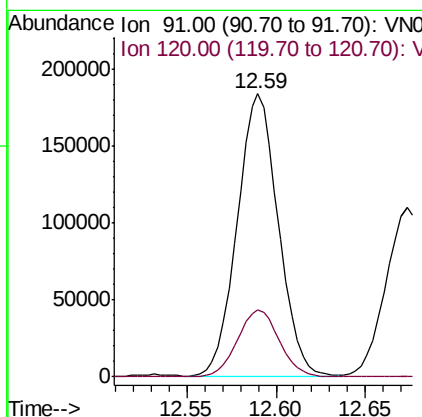
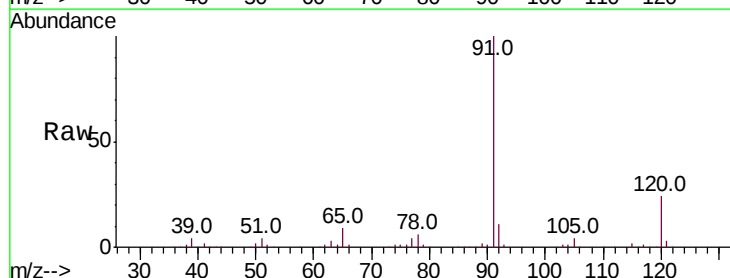
RT: 12.59 min Scan# 3364

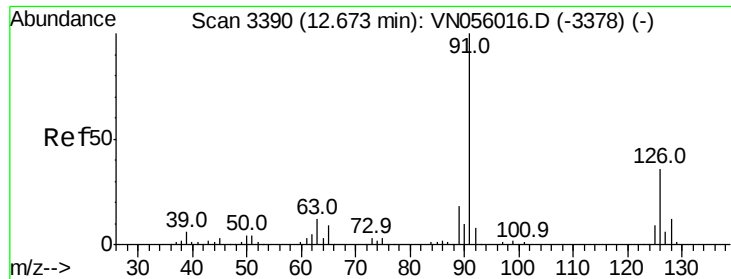
Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Tgt Ion:	91	Resp:	297199
Ion Ratio	Lower	Upper	
91	100		
120	24.0	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.015 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 182780

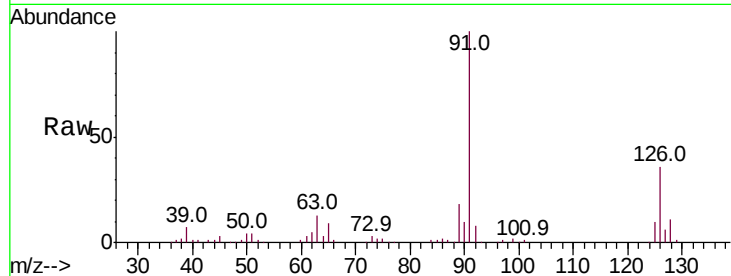
Ion Ratio Lower Upper

91 100

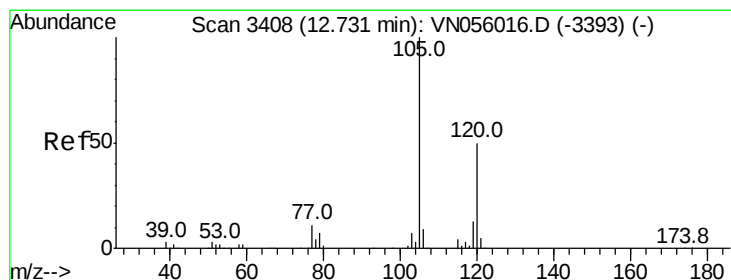
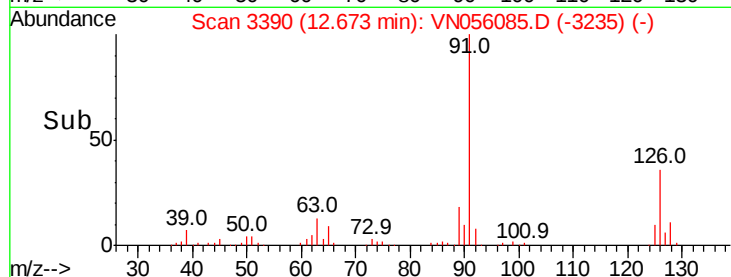
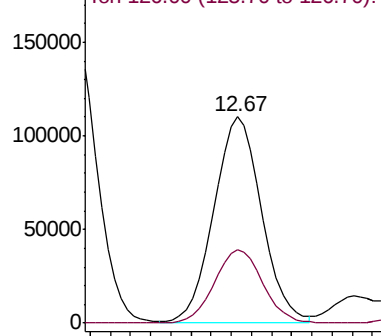
126 36.3 0.0 72.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.190 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056085.D

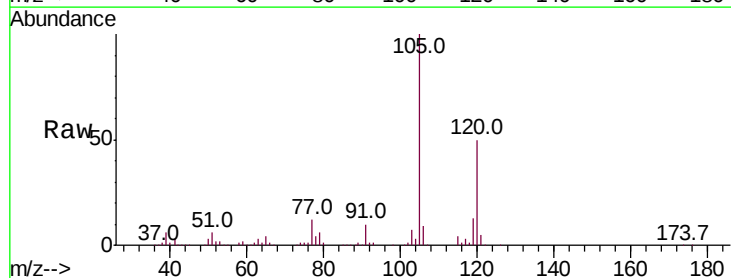
Acq: 7 Jun 2019 8:48

Tgt Ion: 105 Resp: 231701

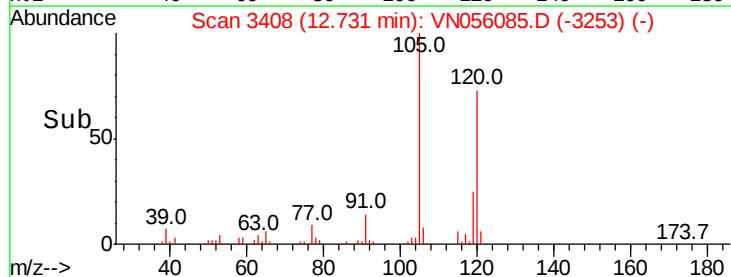
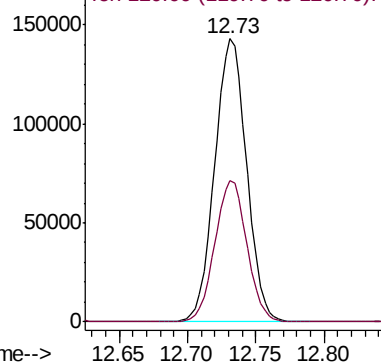
Ion Ratio Lower Upper

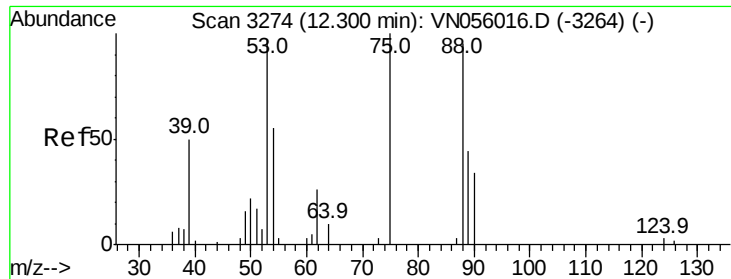
105 100

120 50.2 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.384 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Instrument :

MSVOA_N

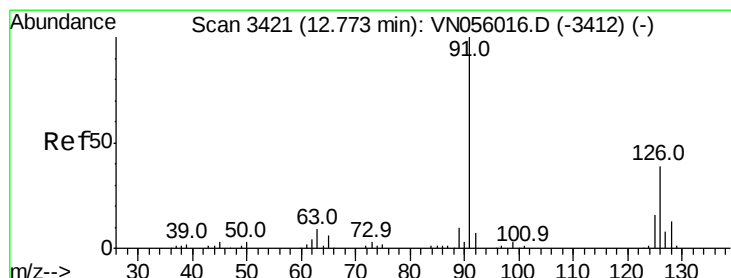
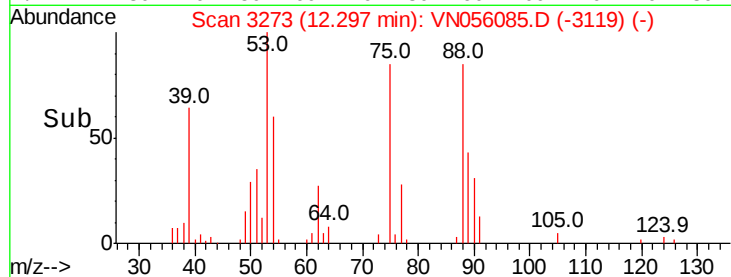
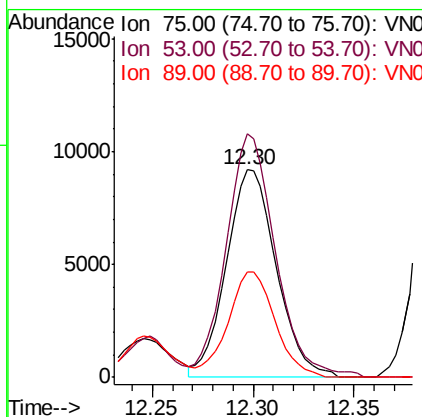
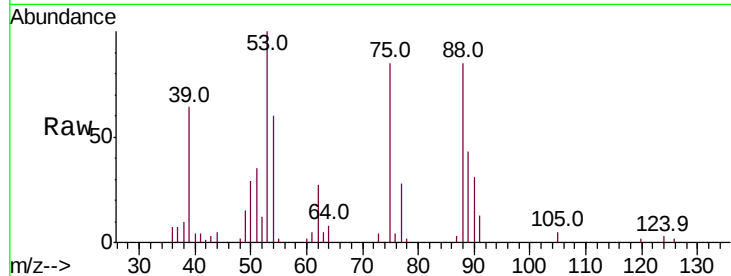
ClientSampled :

VSTDCCC020

Tot Ion:	75	Resp:	15984
Ion	Ratio	Lower	Upper
75	100		
53	114.7	48.0	144.0
89	51.1	22.5	67.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.773 ug/l

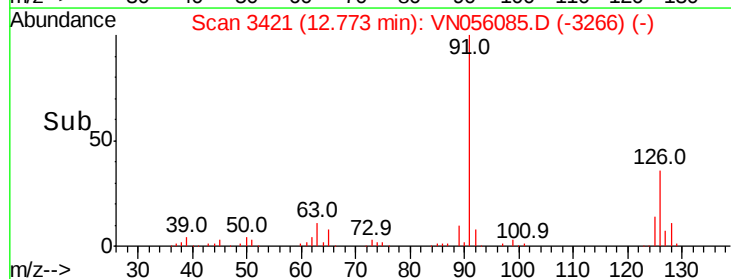
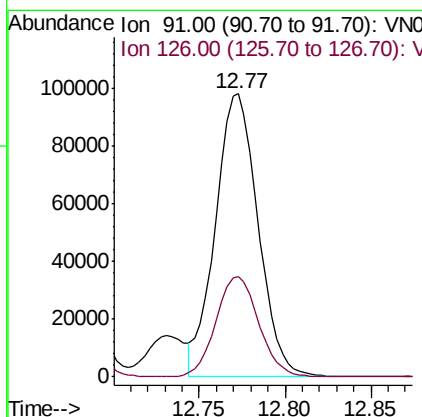
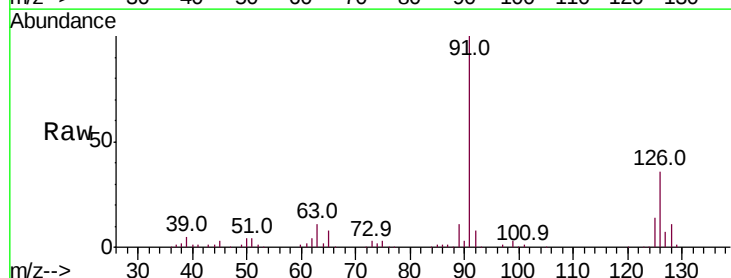
RT: 12.77 min Scan# 3421

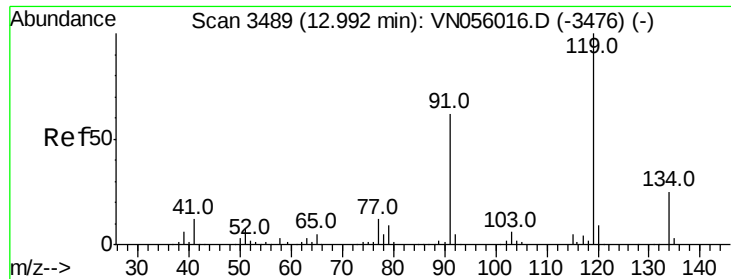
Delta R.T. -0.00 min

Lab File: VN056085.D

Acq: 7 Jun 2019 8:48

Tgt Ion:	91	Resp:	168637
Ion	Ratio	Lower	Upper
91	100		
126	35.8	0.0	71.8





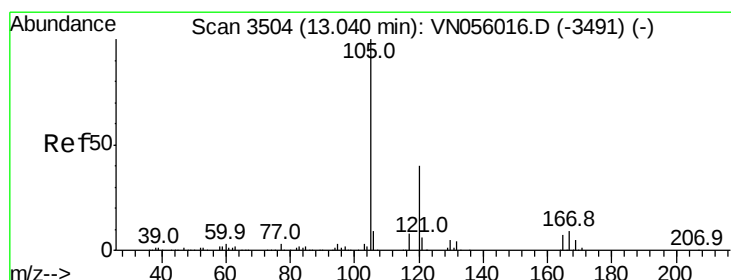
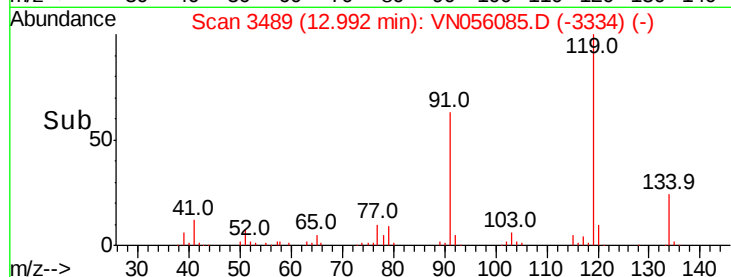
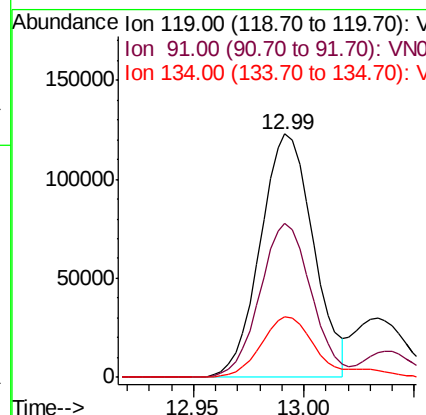
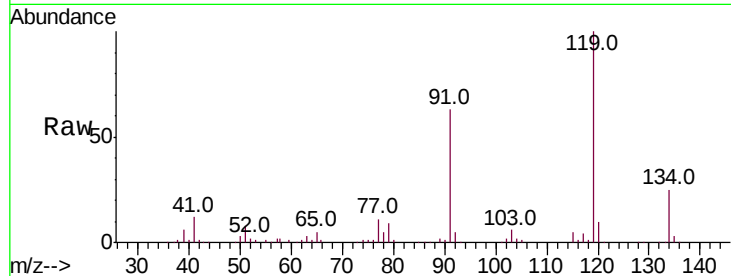
#79
tert-butylbenzene
Concen: 20.140 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	204770		
91	61.4	0.0	122.8	
134	24.7	0.0	50.2	

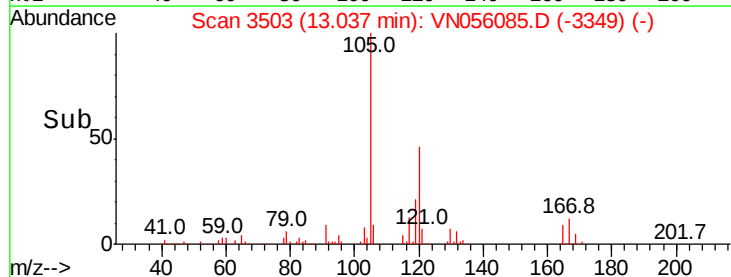
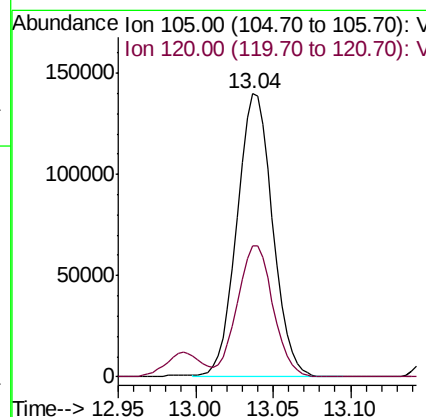
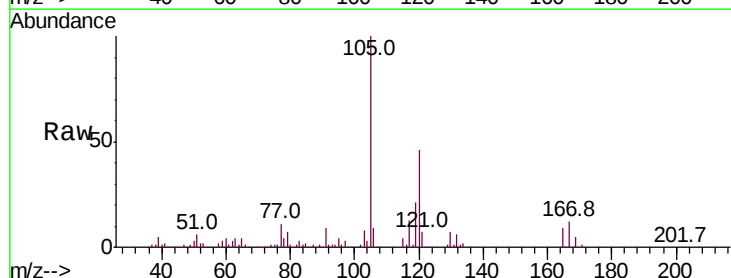
Manual Integrations
APPROVED

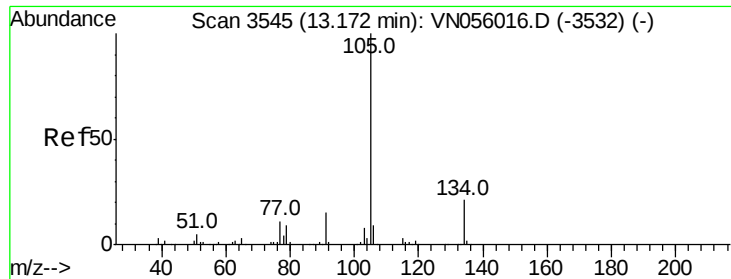
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#80
1,2,4-Trimethylbenzene
Concen: 20.055 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	223892		
120	46.7	0.0	93.4	





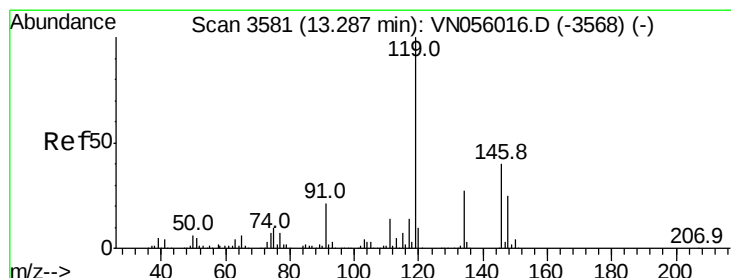
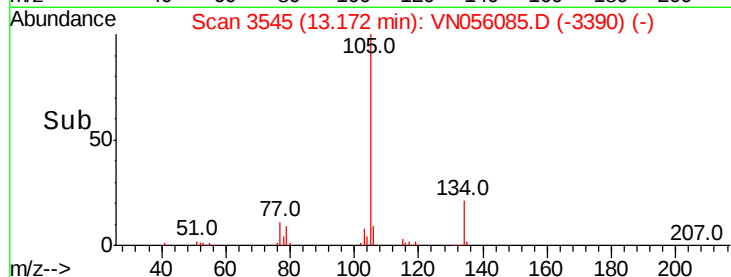
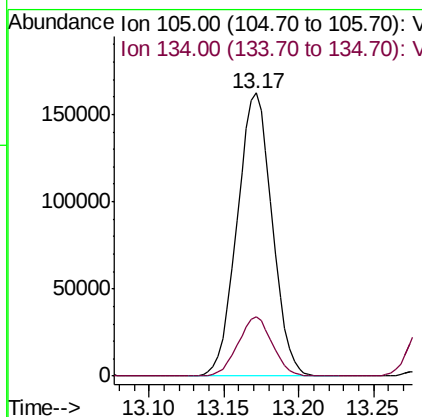
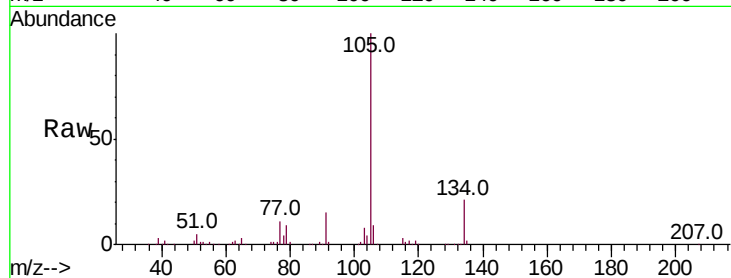
#81
 sec-Butylbenzene
 Concen: 20.487 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	263507		
134	20.6	0.0	41.8	

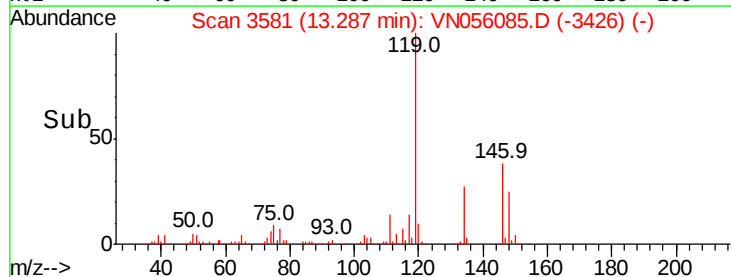
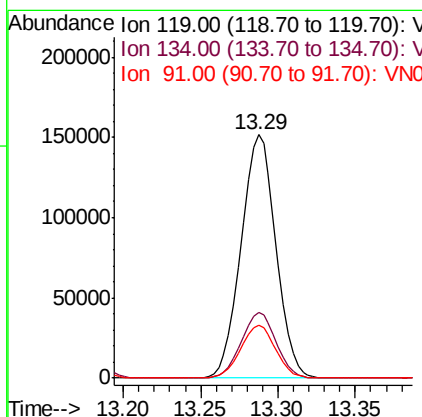
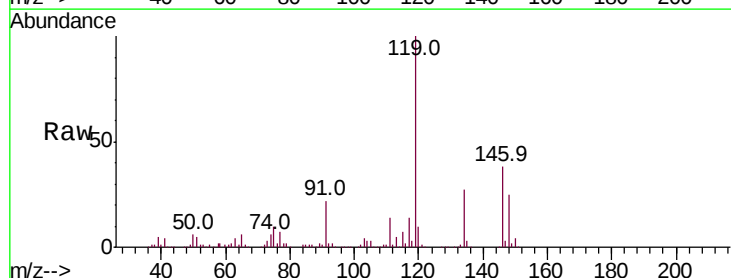
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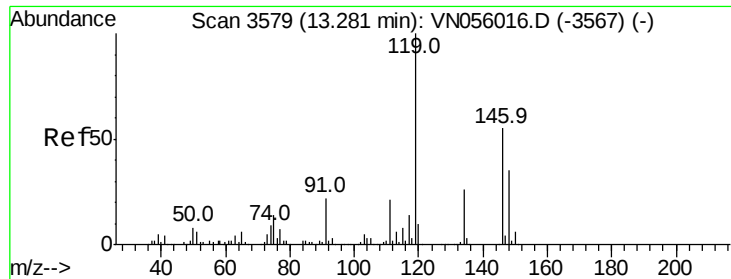
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#82
 p-Isopropyltoluene
 Concen: 20.398 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	237200		
134	26.8	0.0	53.4	
91	21.8	0.0	43.0	





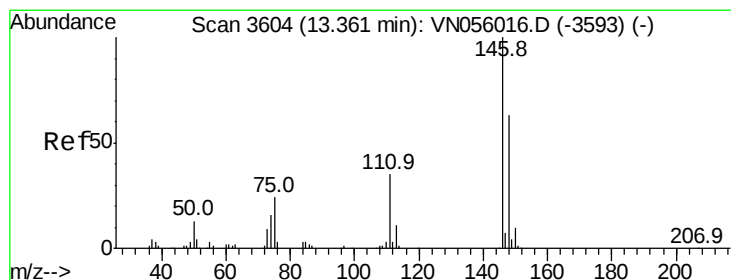
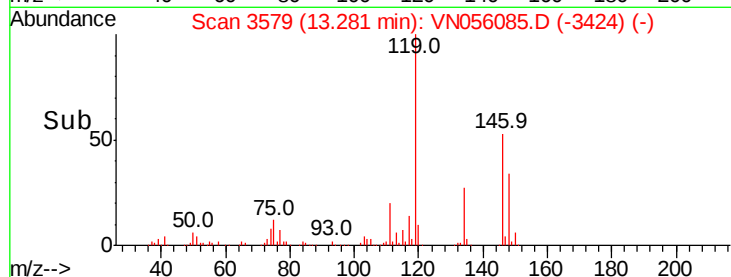
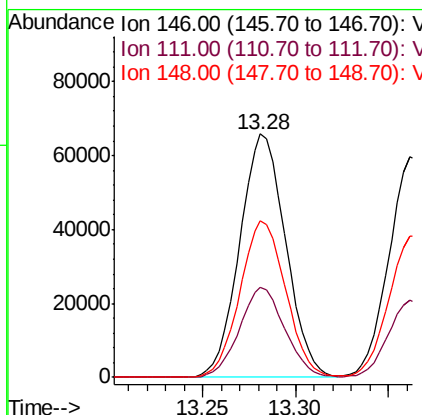
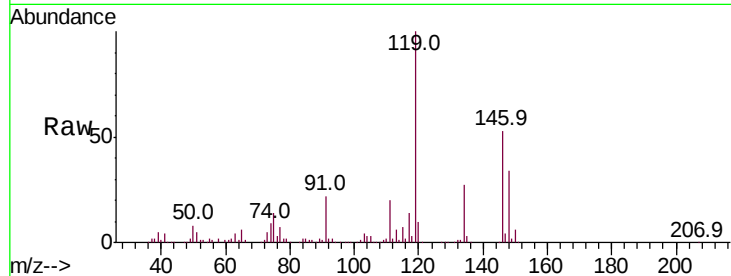
#83
 1,3-Dichlorobenzene
 Concen: 19.629 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.2	54.6
148	63.8	31.9	95.9

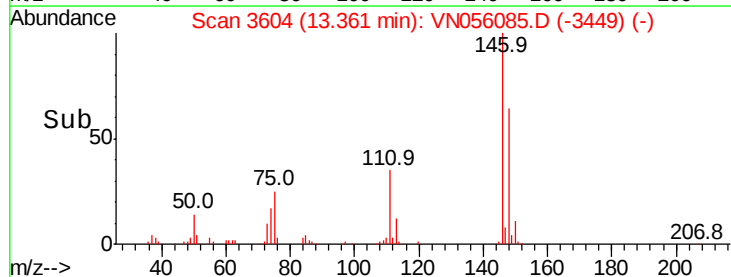
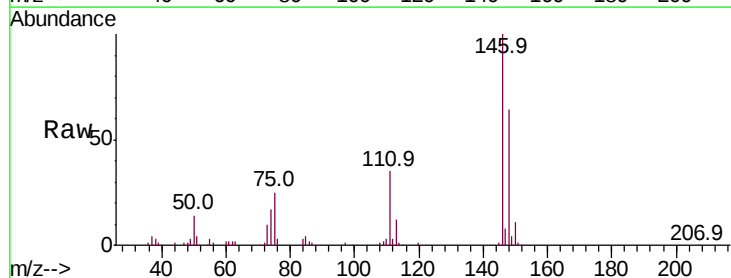
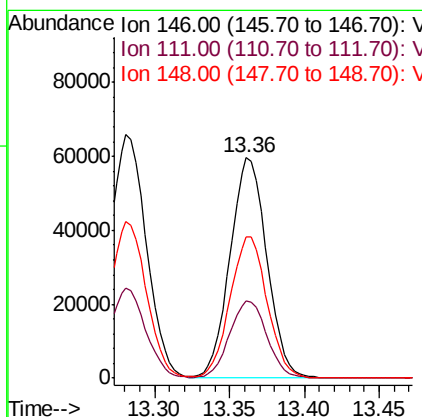
Manual Integrations
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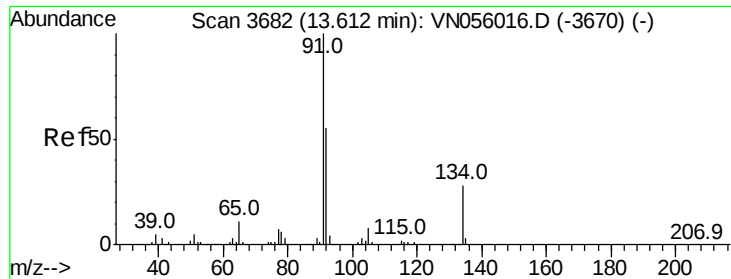
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#84
 1,4-Dichlorobenzene
 Concen: 18.630 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	17.6	52.9
148	64.8	32.1	96.3





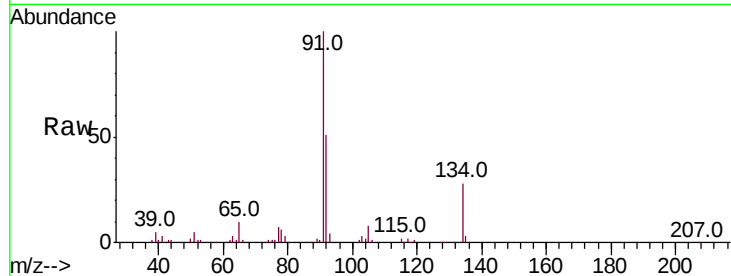
#85
n-Butylbenzene
Concen: 19.031 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

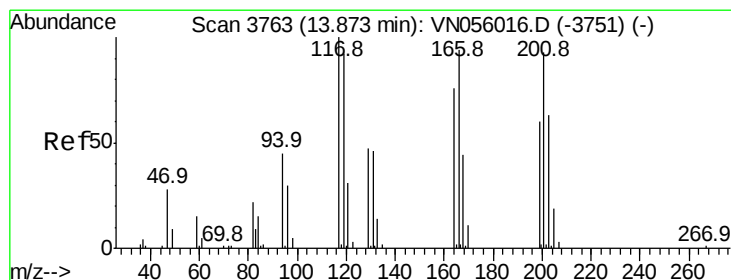
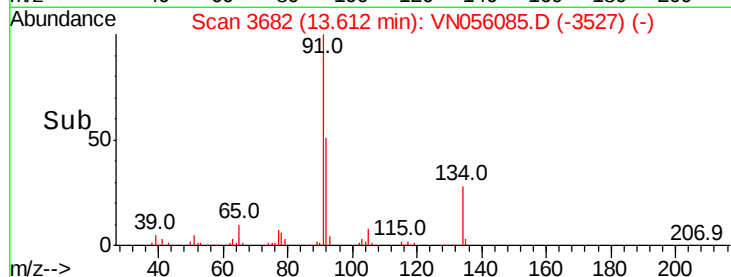
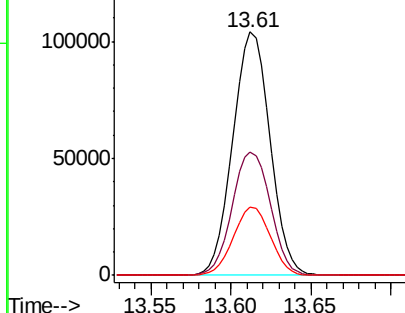
Tot Ion	Ratio	Resp	Lower	Upper
91	100	165174		
92	51.9	0.0	107.2	
134	27.8	0.0	55.8	

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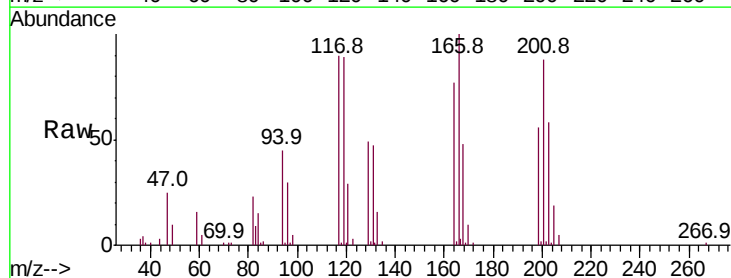


Abundance Ion 91.00 (90.70 to 91.70): VN056085.D (-3527) (-)
Ion 92.00 (91.70 to 92.70): VN056085.D (-3527) (-)
Ion 134.00 (133.70 to 134.70): VN056085.D (-3527) (-)

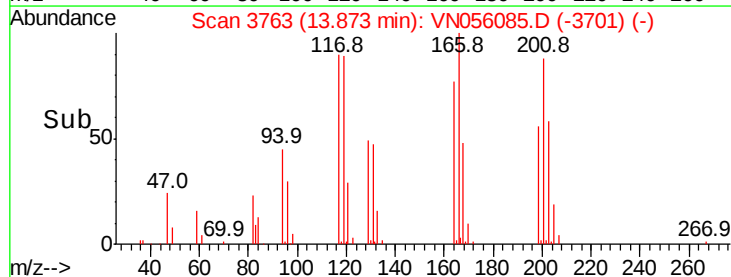
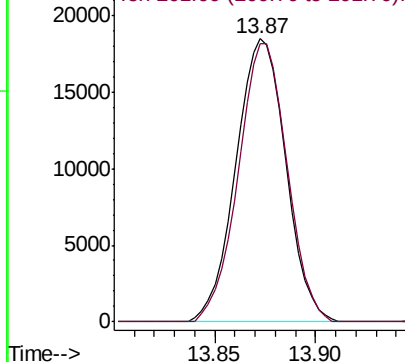


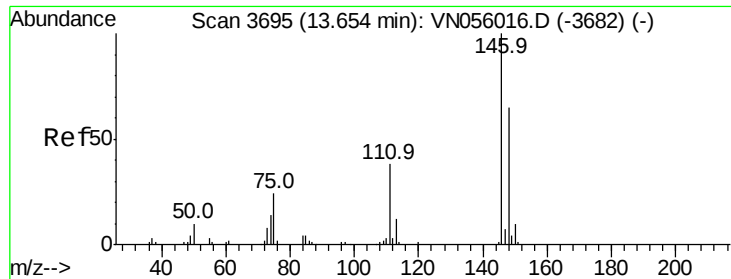
#86
Hexachloroethane
Concen: 17.668 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32030		
201	95.9	48.1	144.4	



Abundance Ion 117.00 (116.70 to 117.70): VN056085.D (-3701) (-)
Ion 201.00 (200.70 to 201.70): VN056085.D (-3701) (-)





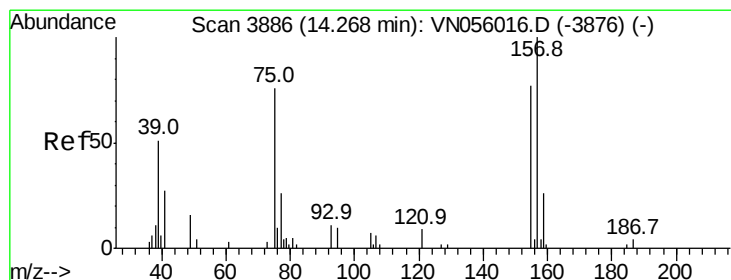
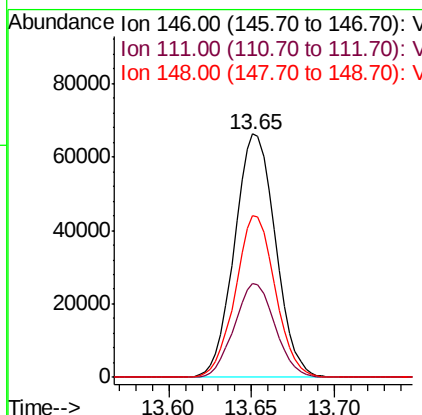
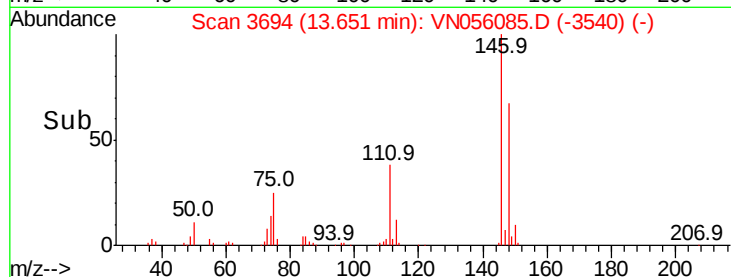
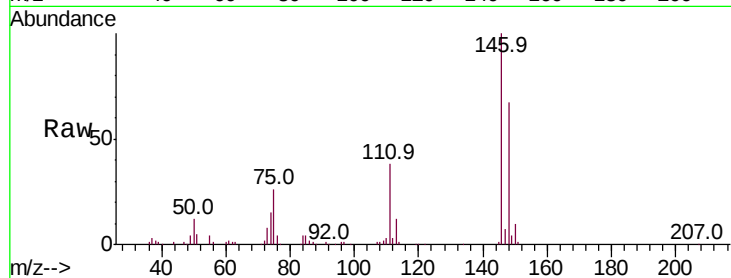
#87
 1,2-Dichlorobenzene
 Concen: 19.466 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	64.5	32.6	97.8

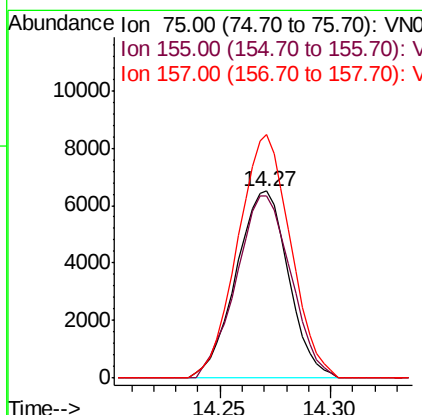
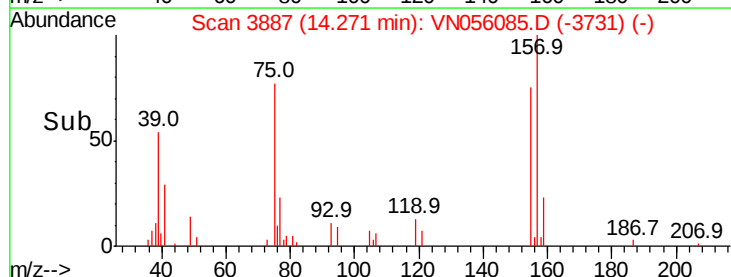
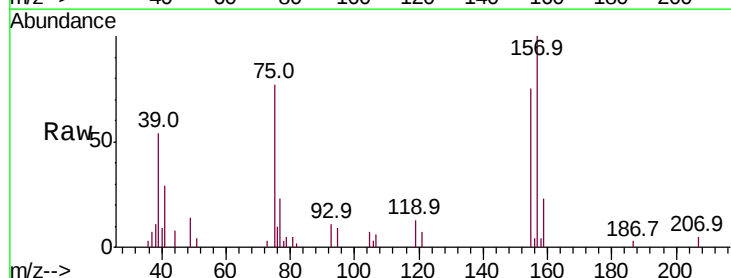
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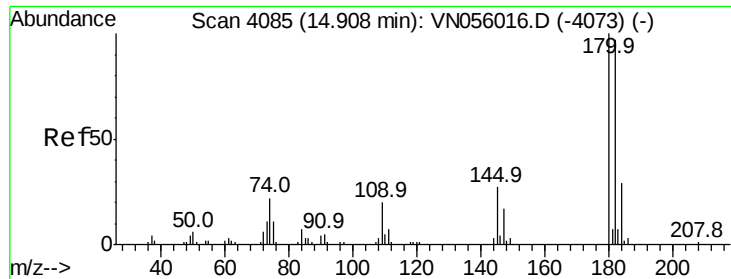
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.290 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	82.5	123.7
157	130.6	105.1	157.7





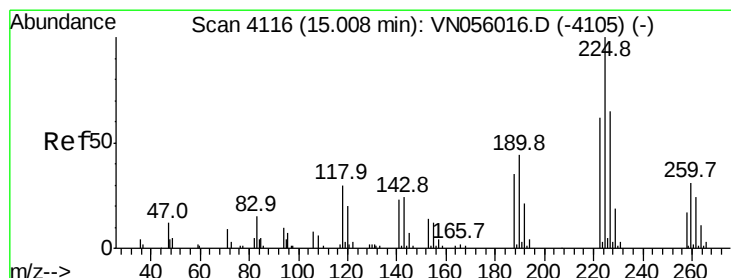
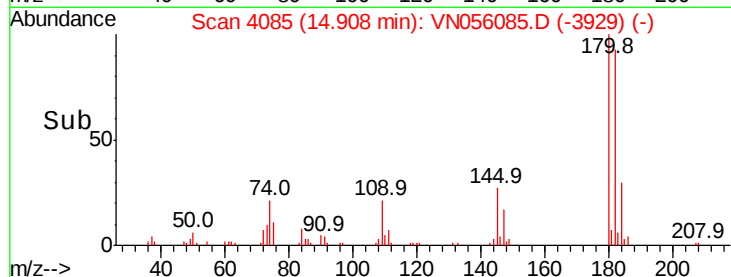
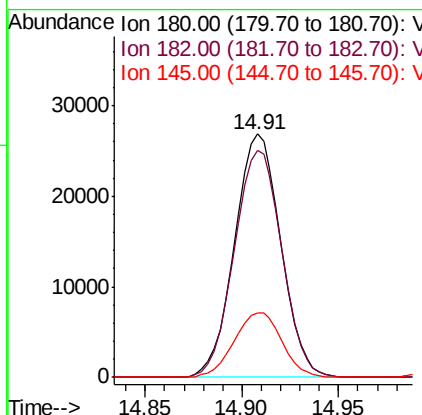
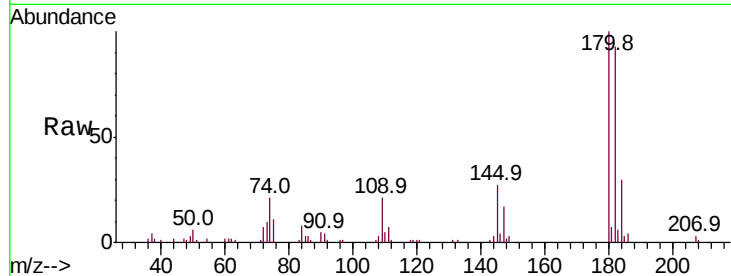
#89
 1,2,4-Trichlorobenzene
 Concen: 19.402 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.0	112.6
145	27.4	22.1	33.1

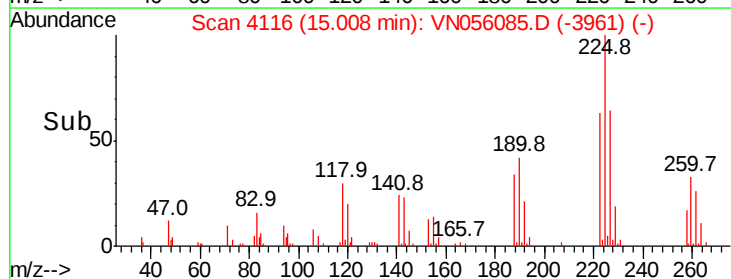
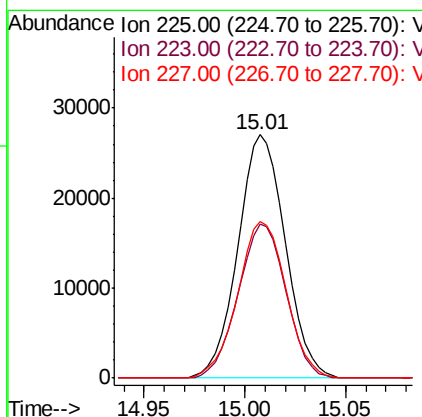
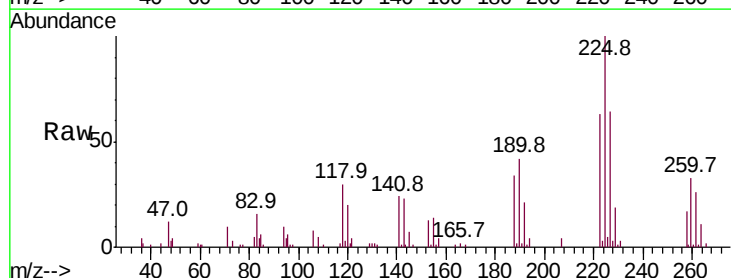
Manual Integrations
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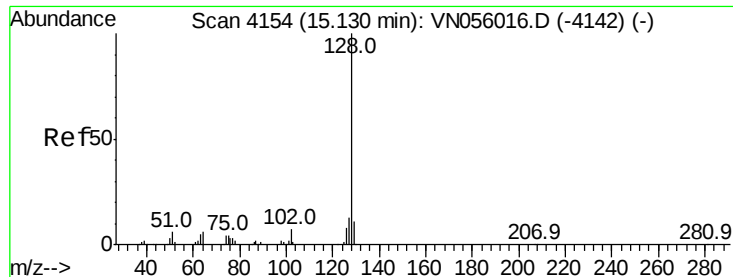
MMDadoda
 6/10/2019 3:31:09 PM



#90
 Hexachlorobutadiene
 Concen: 20.804 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056085.D
 Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	0.0	125.6
227	65.6	0.0	128.6





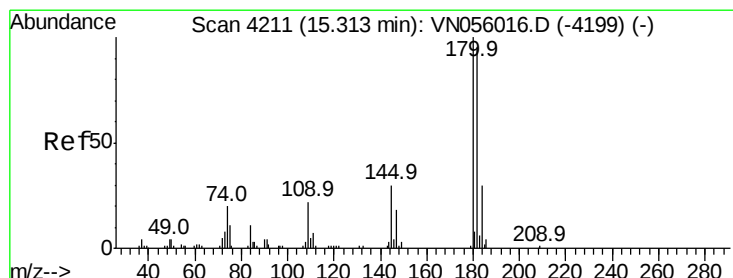
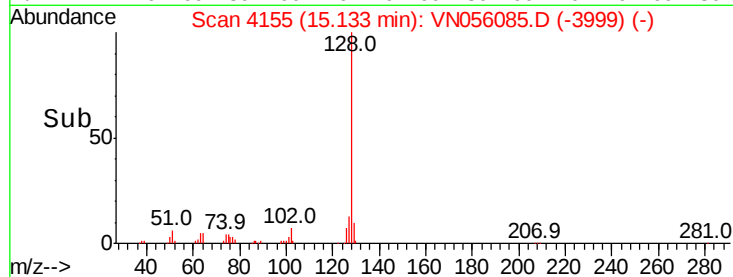
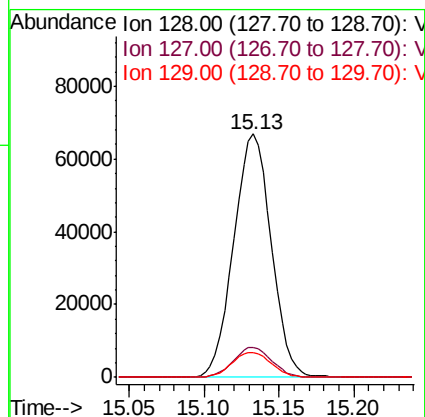
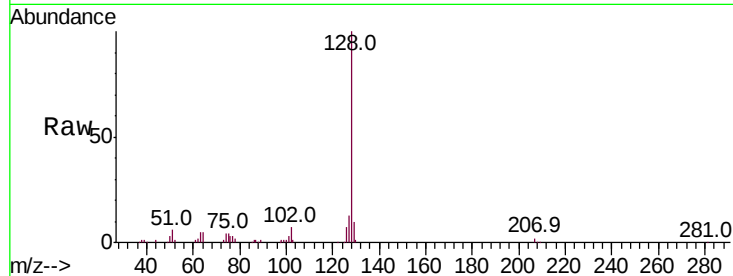
#91
Naphthalene
Concen: 15.031 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/10/2019 3:31:09 PM



#92
1,2,3-Trichlorobenzene
Concen: 16.920 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056085.D
Acq: 7 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	193.4
145	28.7	0.0	59.8

