

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056099.D
 Acq On : 7 Jun 2019 14:56
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:50 AM

Quant Time: Jun 08 05:27:23 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	51311	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	275604	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	242890	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	97324	30.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.80%
60) 4-Bromofluorobenzene	12.40	95	105886	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	332416	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	67206	23.287	ug/l 99
3) Chloromethane	2.06	50	74640	22.136	ug/l 99
4) Vinyl Chloride	2.18	62	74542	21.682	ug/l 98
5) Bromomethane	2.54	94	49190m	22.767	ug/l
6) Chloroethane	2.69	64	42011	21.604	ug/l 95
7) Trichlorofluoromethane	3.01	101	89281	20.990	ug/l 98
8) Diethyl Ether	3.40	74	37040	20.532	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55666	21.201	ug/l 100
10) 1,1-Dichloroethene	3.72	96	56444	21.074	ug/l 96
11) Methyl Iodide	3.94	142	80759	19.111	ug/l 99
12) Methyl Acetate	4.33	43	68338	21.232	ug/l 99
13) Acrolein	3.60	56	17058	108.735	ug/l 96
14) Acrylonitrile	4.99	53	156125	108.773	ug/l 99
15) Acetone	3.82	58	46239	98.387	ug/l 99
16) Carbon Disulfide	4.04	76	123325	19.351	ug/l 99
17) Allyl chloride	4.31	41	85811	20.678	ug/l 99
18) Methylene Chloride	4.54	84	66848	21.558	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	59745	20.897	ug/l 95
20) Diisopropyl ether	5.95	45	184187	21.422	ug/l 97
21) 1,1-Dichloroethane	5.84	63	106556	21.325	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	69934	20.957	ug/l 99
23) tert-Butyl Alcohol	4.82	59	52680	94.292	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	178813	20.948	ug/l 99
25) Chloroform	7.37	83	106391	21.323	ug/l 99
26) Cyclohexane	7.65	56	97874	21.113	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	78274	20.996	ug/l 99
30) 2-Butanone	6.84	43	208020	105.992	ug/l 100
31) 2,2-Dichloropropane	6.82	77	69097	19.924	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	85330	20.717	ug/l 99
33) Carbon Tetrachloride	7.77	117	71228	20.411	ug/l 98
34) Benzene	8.04	78	256294	21.577	ug/l 99
35) Methacrylonitrile	7.18	41	40741	24.583	ug/l 97
36) 1,2-Dichloroethane	8.12	62	80267	21.573	ug/l 99
37) Trichloroethene	8.83	130	70844	21.314	ug/l 99
38) Methylcyclohexane	9.08	83	99927	21.143	ug/l 99
39) 1,2-Dichloropropane	9.12	63	66486	21.855	ug/l 95
40) Dibromomethane	9.21	93	43008	21.322	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	73502	20.350	ug/l #	98
42) Vinyl Acetate	5.90	43	753100	107.632	ug/l	99
43) Ethyl Acetate	6.93	43	82049	21.844	ug/l	94
44) Isopropyl Acetate	8.17	43	123247	21.133	ug/l	99
45) 1,4-Dioxane	9.20	88	25283	405.262	ug/l	96
46) Methyl methacrylate	9.20	41	61415	21.198	ug/l	99
47) n-amyl Acetate	12.07	43	98703	20.465	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	72549	19.086	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	89713	20.156	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	64102	21.396	ug/l	99
51) Ethyl methacrylate	10.43	69	93194	20.561	ug/l	99
52) 1,3-Dichloropropane	10.71	76	104904	21.598	ug/l	99
53) Dibromochloromethane	10.90	129	59200	20.186	ug/l	99
54) 1,2-Dibromoethane	11.00	107	65443	20.933	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	159964	100.756	ug/l	99
56) Bromoform	12.13	173	39458	18.598	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	400102	108.784	ug/l	99
59) 2-Hexanone	10.75	43	279102	106.170	ug/l	99
61) Tetrachloroethene	10.63	164	73572	21.734	ug/l	97
62) Toluene	10.16	91	278414	21.233	ug/l	99
64) Chlorobenzene	11.43	112	167077	21.007	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	58469	20.387	ug/l	99
66) Ethyl Benzene	11.51	91	294090	21.058	ug/l	100
67) m/p-Xylenes	11.62	106	225491	42.183	ug/l	99
68) o-Xylene	11.95	106	111346	21.277	ug/l	100
69) Styrene	11.96	104	175008	20.583	ug/l	99
70) Isopropylbenzene	12.25	105	293731	21.482	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	88276	21.414	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	76146m	21.337	ug/l	
73) Bromobenzene	12.53	156	76564	21.096	ug/l	100
74) n-propylbenzene	12.59	91	306105	21.214	ug/l	98
75) 2-Chlorotoluene	12.67	91	189881	21.216	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	238759	21.229	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	17801	17.481	ug/l	93
78) 4-Chlorotoluene	12.77	91	171790	20.553	ug/l	100
79) tert-butylbenzene	12.99	119	213591	21.435	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	229070	20.937	ug/l	100
81) sec-Butylbenzene	13.17	105	266065	21.107	ug/l	100
82) p-Isopropyltoluene	13.29	119	238615	20.937	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	115449	20.412	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	105085	19.505	ug/l	99
85) n-Butylbenzene	13.61	91	167185	19.655	ug/l	99
86) Hexachloroethane	13.87	117	33388	18.792	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	118532	20.618	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12146	18.770	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	49267	20.773	ug/l	97
90) Hexachlorobutadiene	15.01	225	44671	21.285	ug/l	99
91) Naphthalene	15.13	128	140724	18.430	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	58166	19.328	ug/l	100

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VSTDCCC020EC

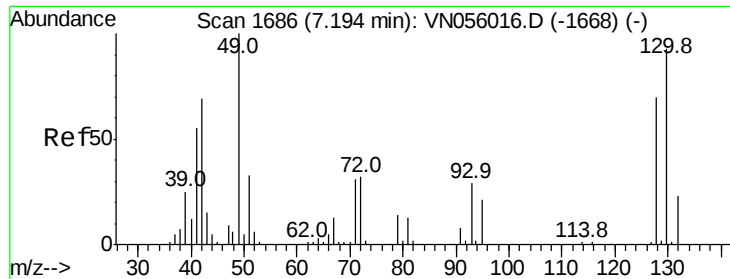
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



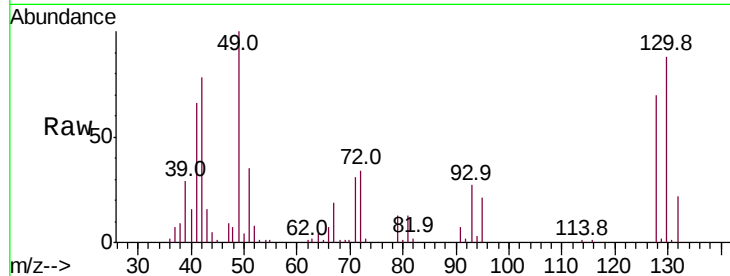
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Instrument :
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 ClientSampleId :
 VSTDCCC020EC

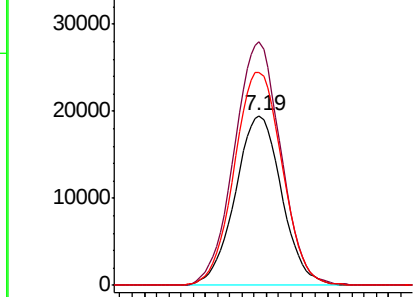
Tot Ion	Ratio	Lower	Upper
128	100		
49	144.4	0.0	355.8
130	129.9	0.0	326.3

Manual Integrations
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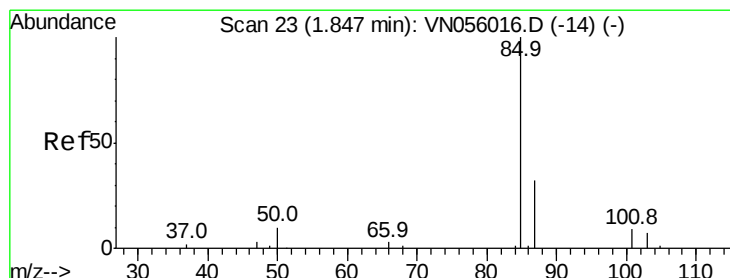
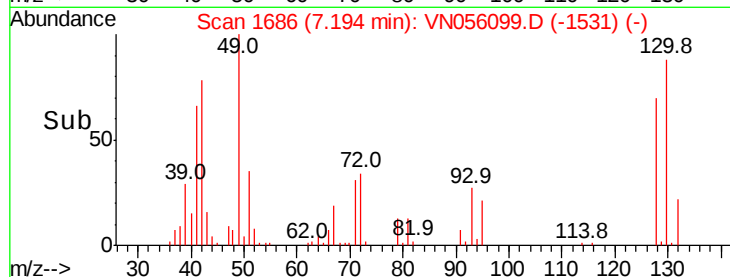
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 6/10/2019 11:26:50 AM



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

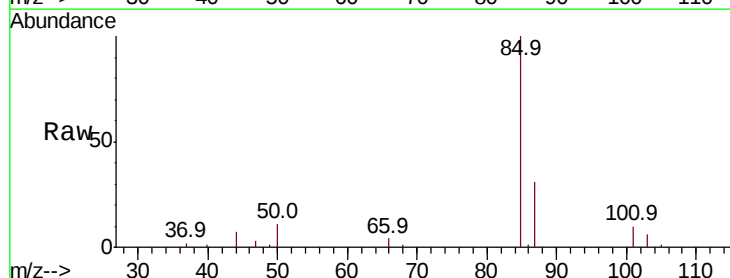


Time-->

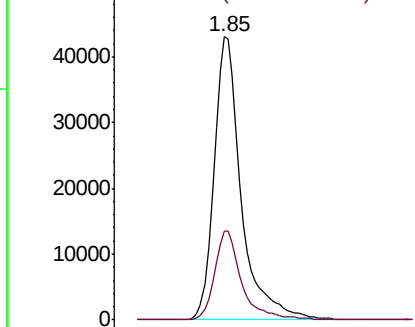


#2
 Dichlorodifluoromethane
 Concen: 23.287 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

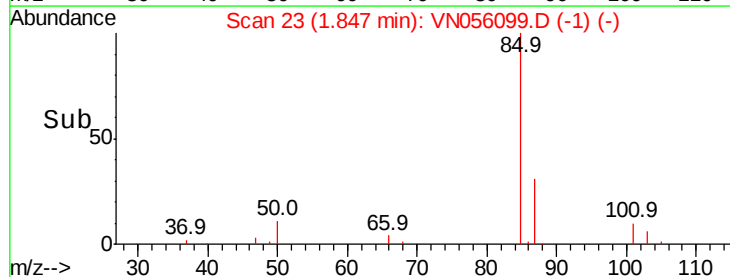
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.9	47.7

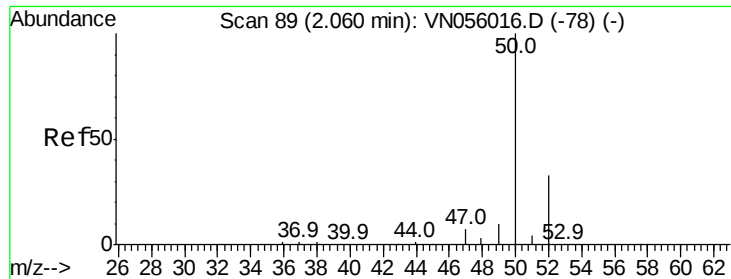


Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN



Time-->





#3

Chloromethane

Concen: 22.136 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 74640

Ion Ratio Lower Upper

50 100

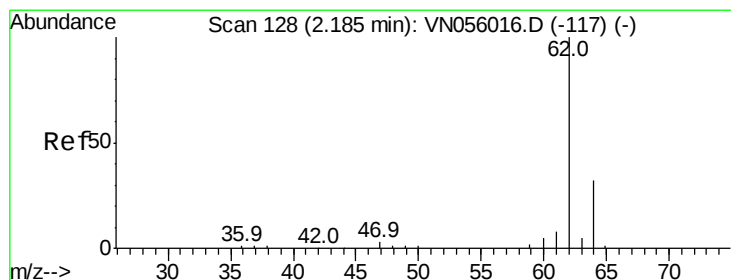
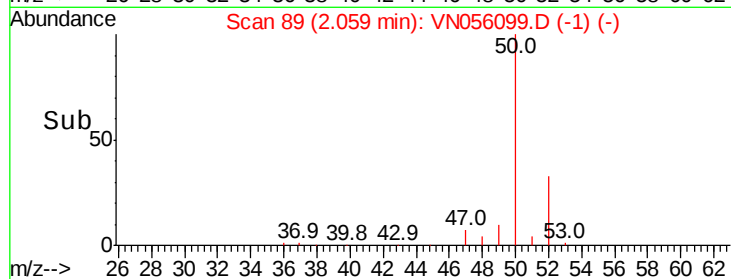
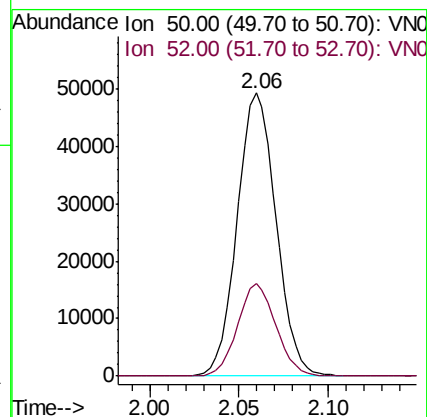
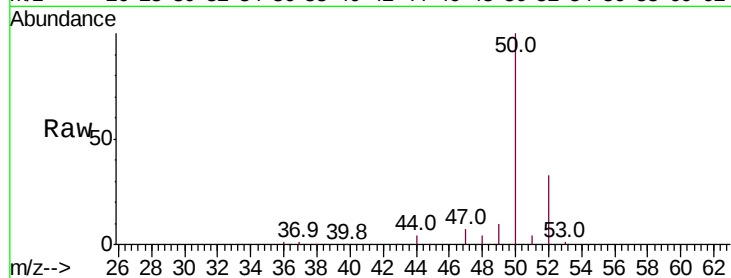
52 32.6 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.682 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056099.D

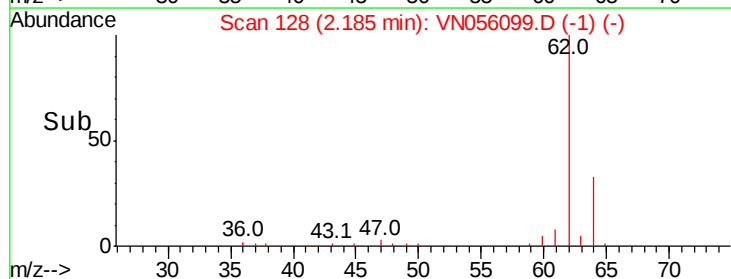
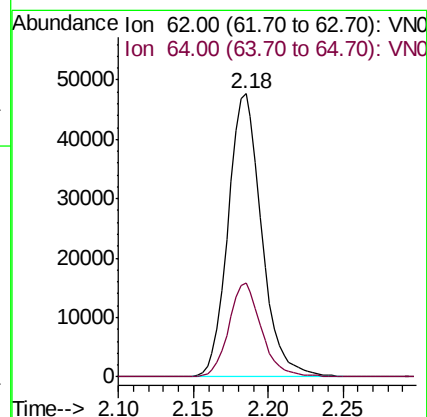
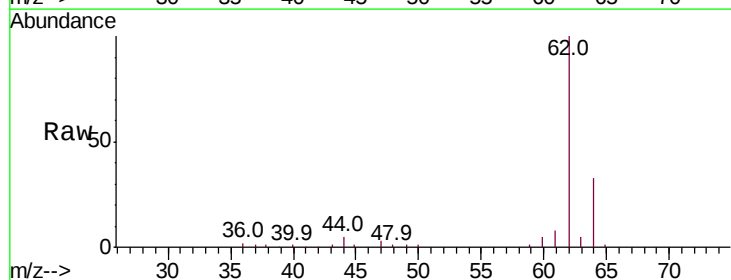
Acq: 7 Jun 2019 14:56

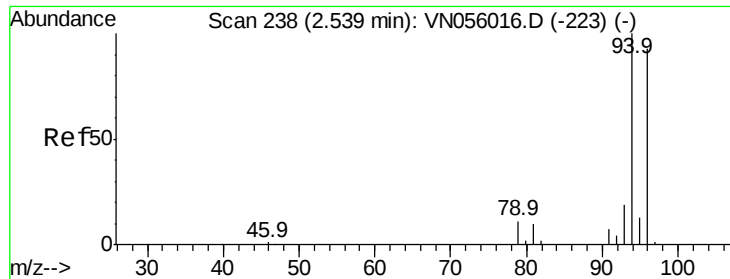
Tgt Ion: 62 Resp: 74542

Ion Ratio Lower Upper

62 100

64 33.2 25.8 38.8





#5

Bromomethane

Concen: 22.767 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 49190

Ion Ratio Lower Upper

94 100

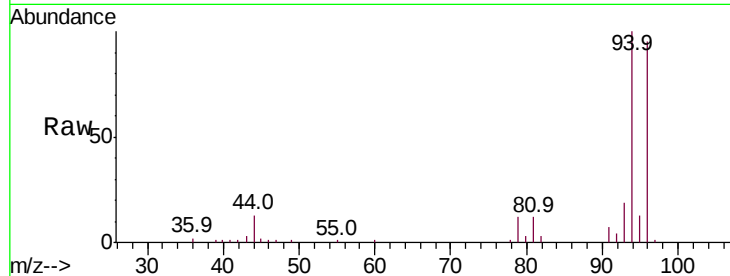
96 94.8 74.1 111.1

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

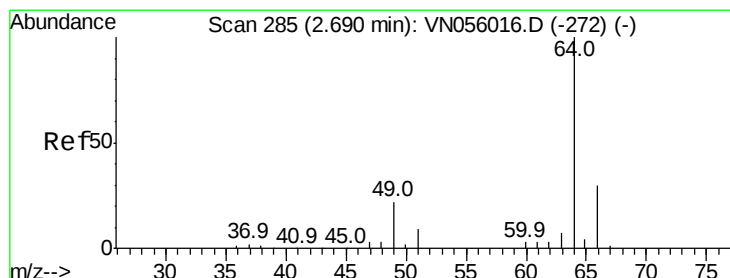
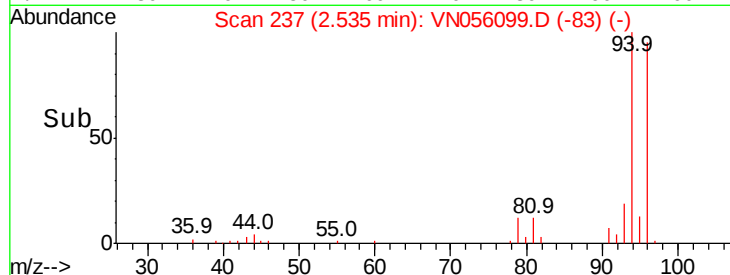
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.604 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN056099.D

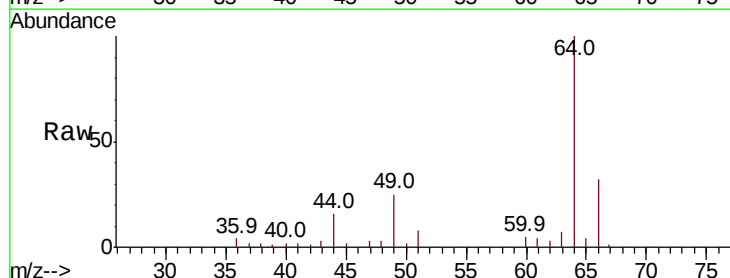
Acq: 7 Jun 2019 14:56

Tgt Ion: 64 Resp: 42011

Ion Ratio Lower Upper

64 100

66 32.1 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

20000

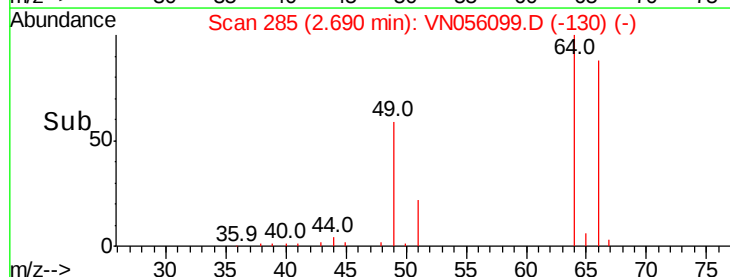
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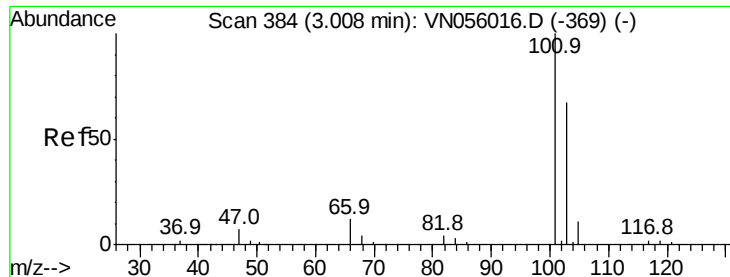
10000

5000

0

Time-->





#7

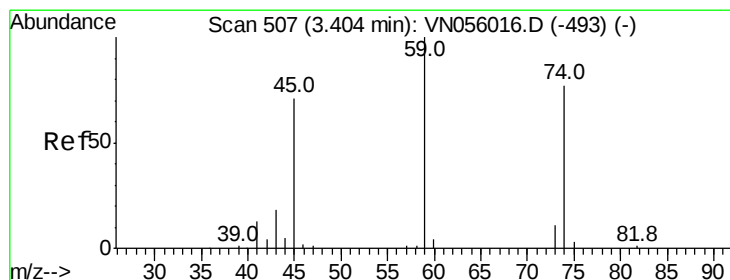
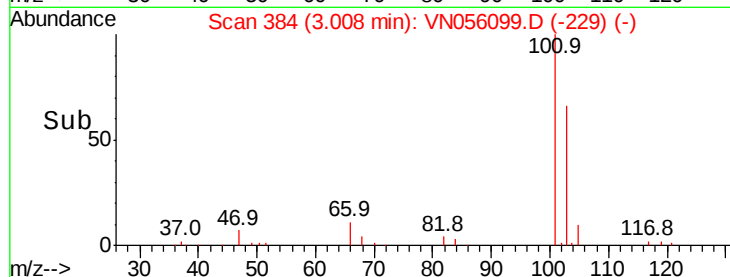
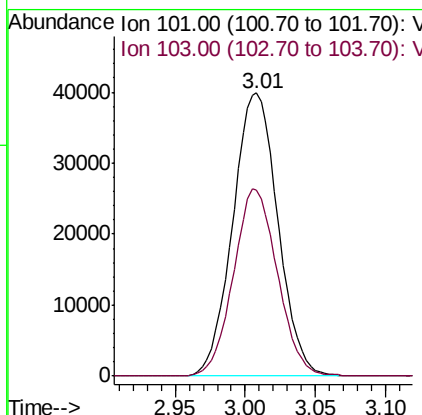
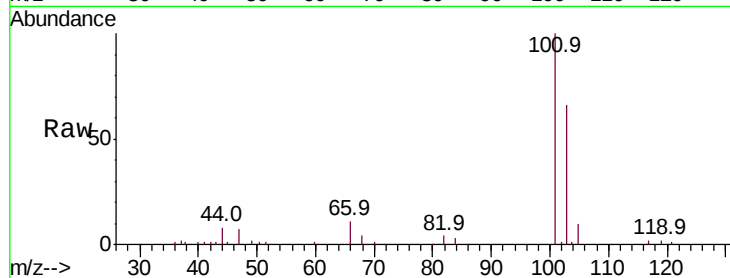
Trichlorofluoromethane
Concen: 20.990 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.4	80.0

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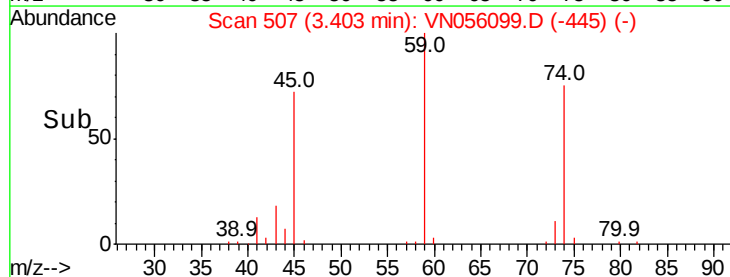
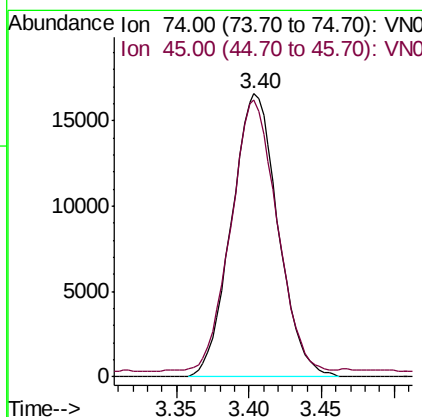
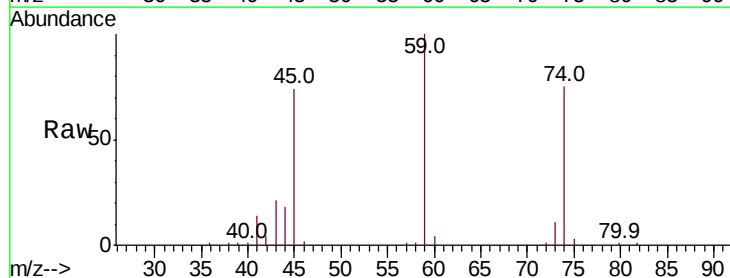
MMDadoda
6/10/2019 11:26:50 AM

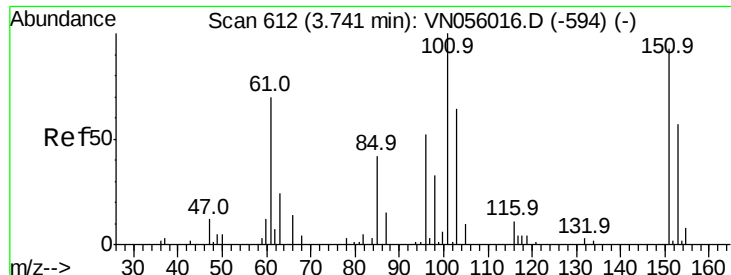


#8

Diethyl Ether
Concen: 20.532 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.201 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

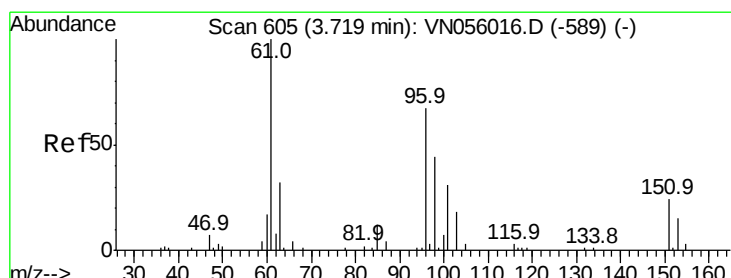
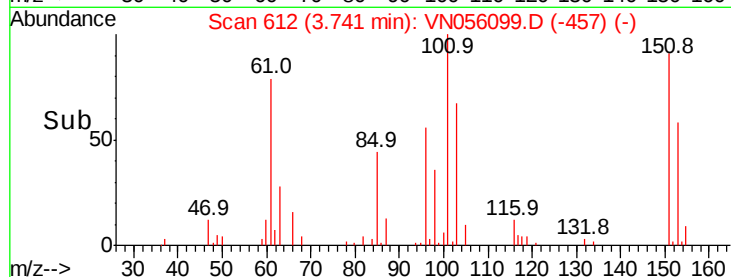
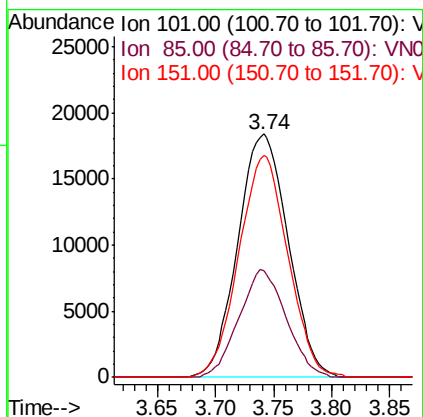
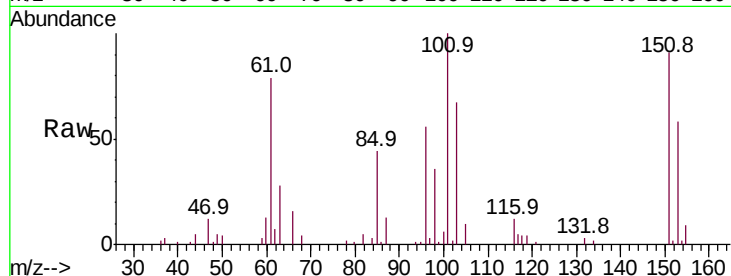
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	55666
Ion Ratio	Lower	Upper	
101	100		
85	41.4	0.0	82.0
151	88.6	0.0	177.0

Manual Integrations
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6/10/2019 11:26:50 AM



#10

1,1-Dichloroethene

Concen: 21.074 ug/l

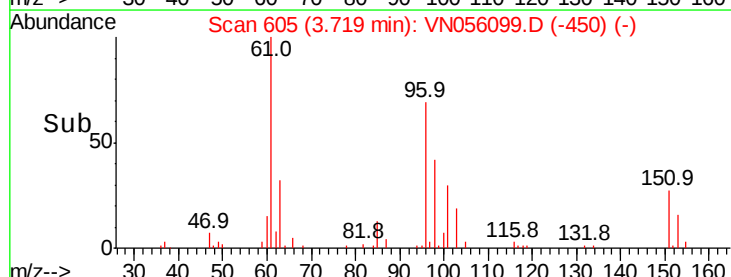
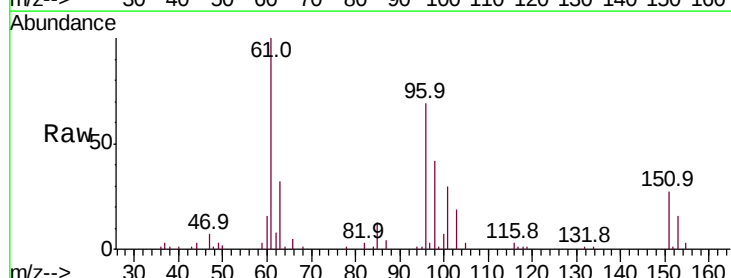
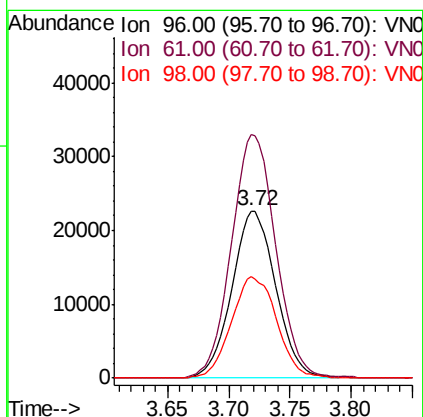
RT: 3.72 min Scan# 605

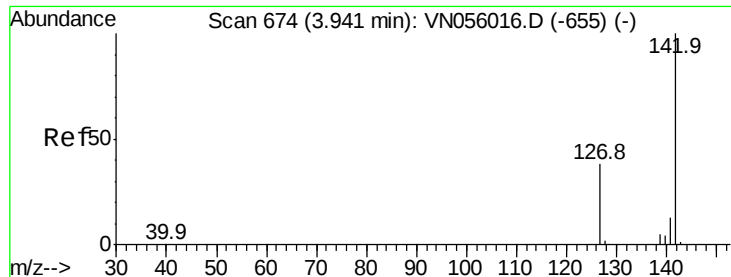
Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Tgt Ion:	96	Resp:	56444
Ion Ratio	Lower	Upper	
96	100		
61	145.0	119.7	179.5
98	60.7	52.3	78.5





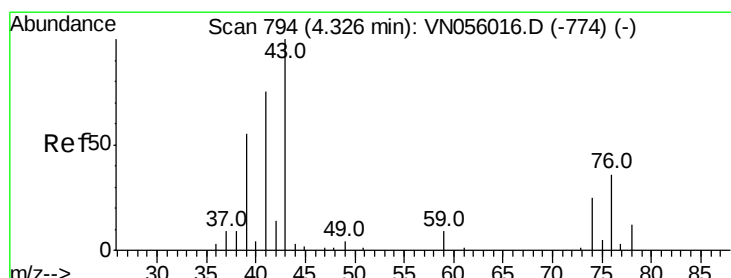
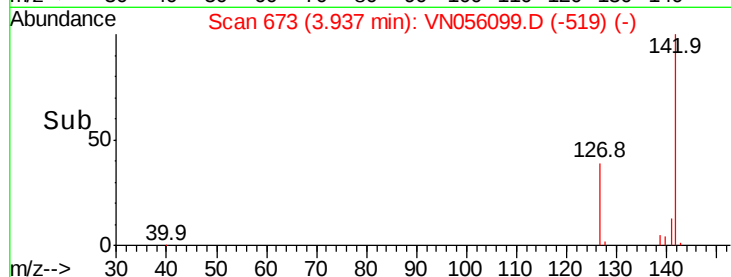
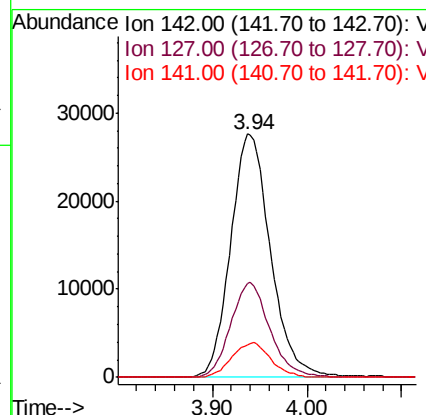
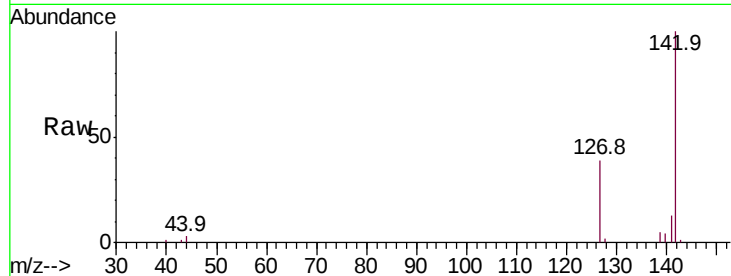
#11
Methvl Iodide
Concen: 19.111 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.7	19.0	57.0
141	13.2	6.7	20.0

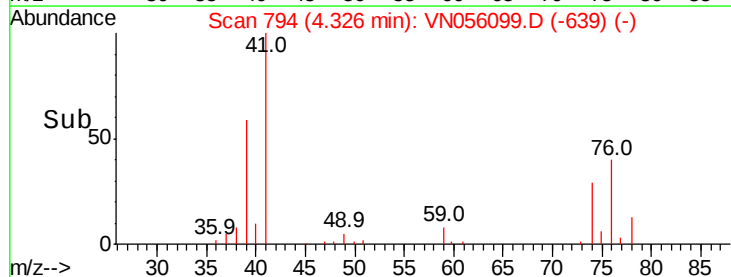
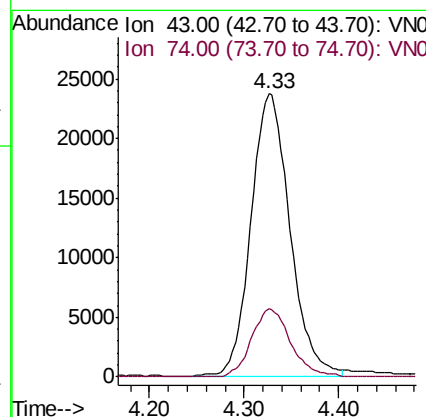
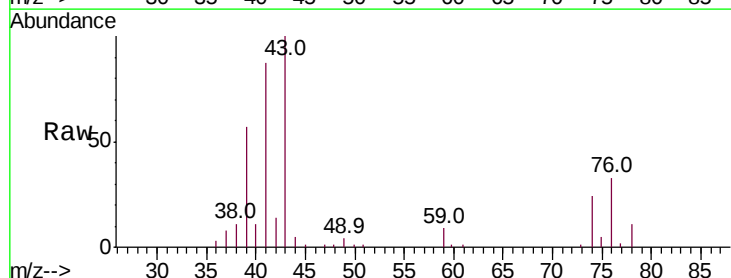
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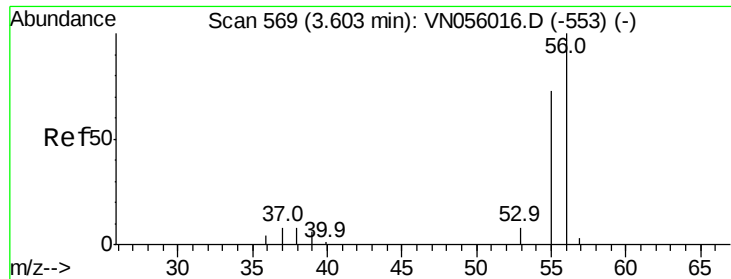
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#12
Methyl Acetate
Concen: 21.232 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.9	29.9





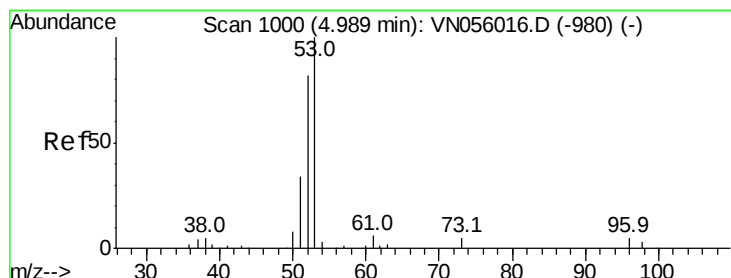
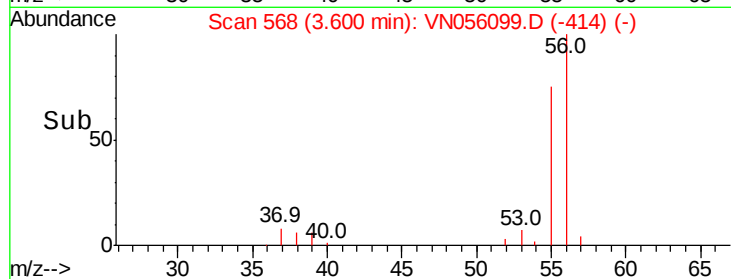
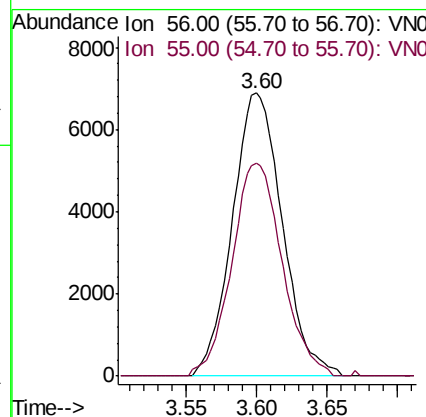
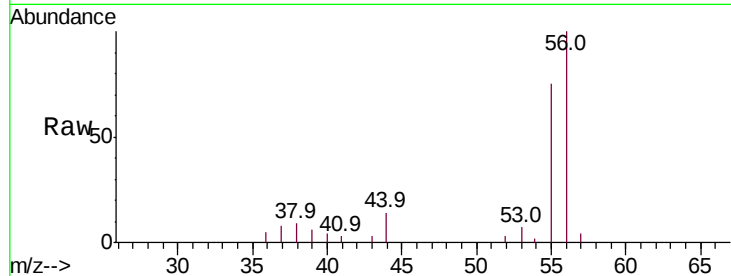
#13
Acrolein
Concen: 108.735 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 56 Resp: 17058
Ion Ratio Lower Upper
56 100
55 75.7 57.9 86.9

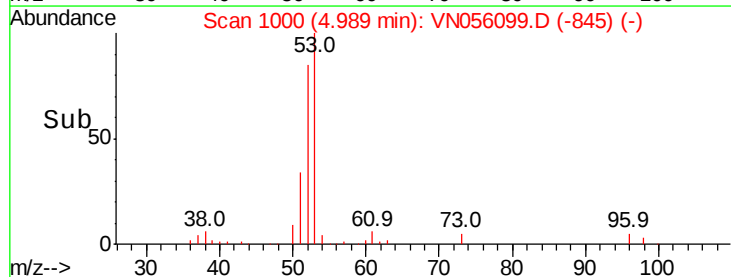
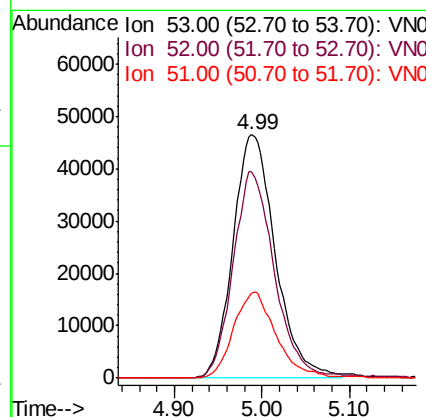
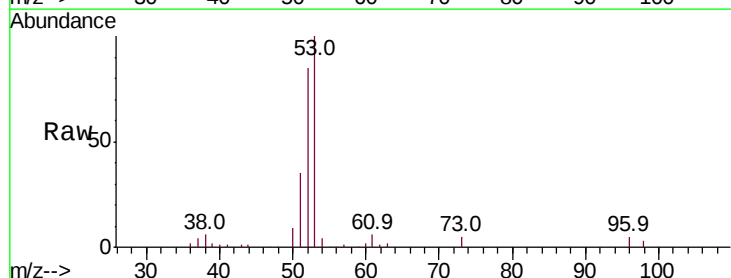
Manual Integrations
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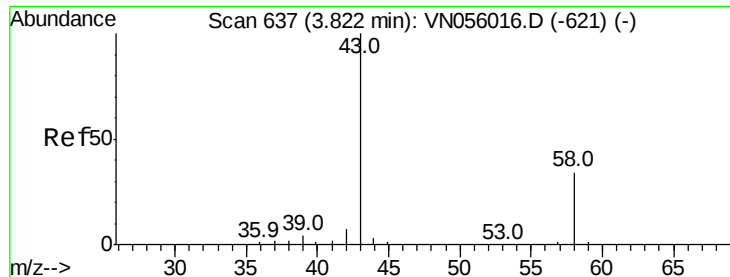
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#14
Acrylonitrile
Concen: 108.773 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion: 53 Resp: 156125
Ion Ratio Lower Upper
53 100
52 82.5 40.8 122.2
51 35.4 17.3 52.0





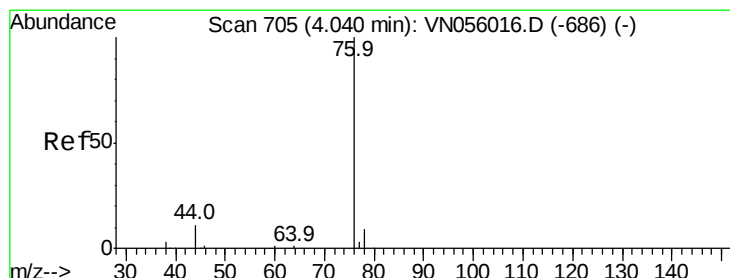
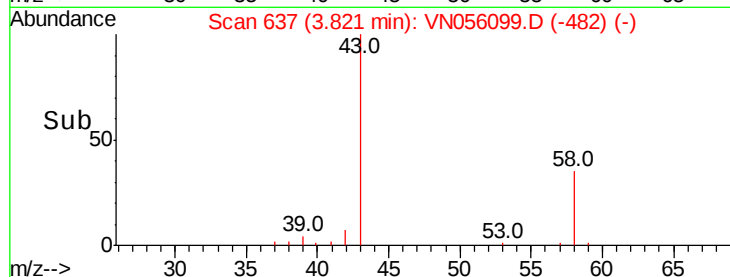
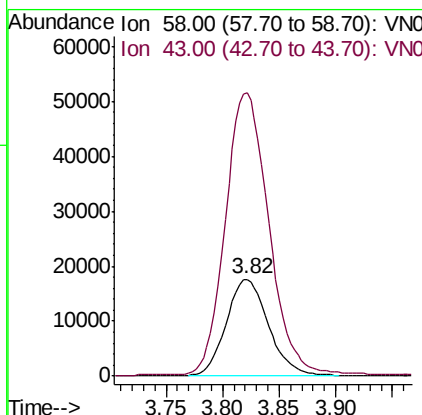
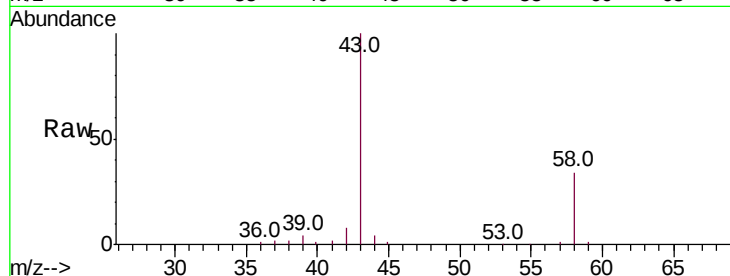
#15
Acetone
Concen: 98.387 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 58 Resp: 46239
Ion Ratio Lower Upper
58 100
43 289.6 232.5 348.7

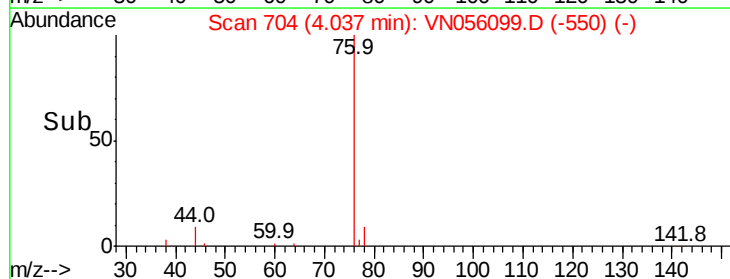
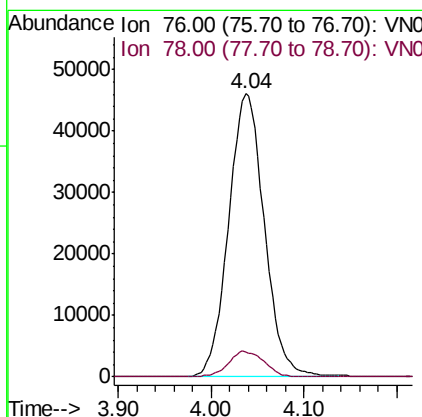
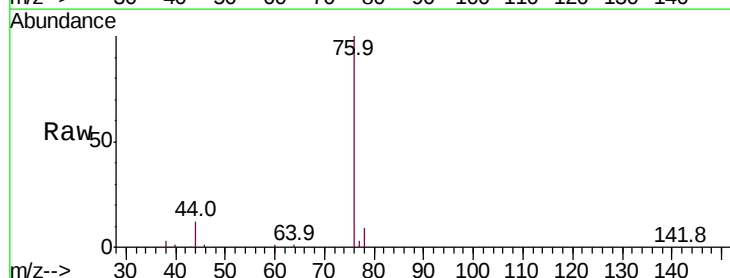
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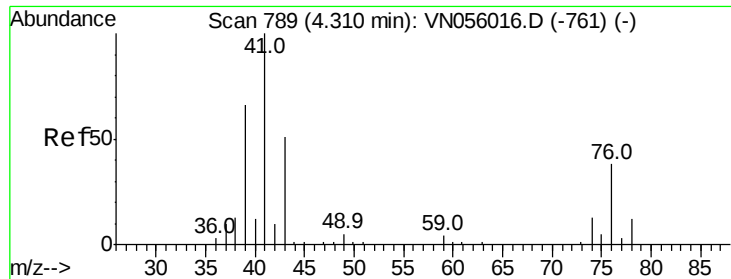
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#16
Carbon Disulfide
Concen: 19.351 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion: 76 Resp: 123325
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9





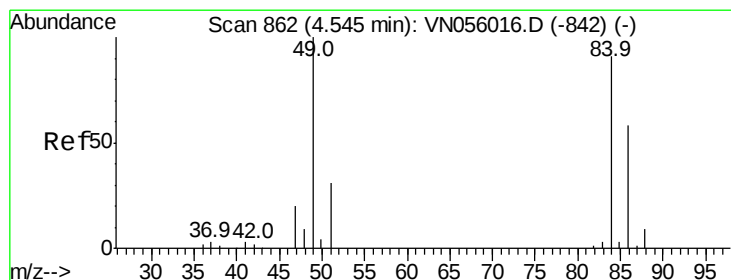
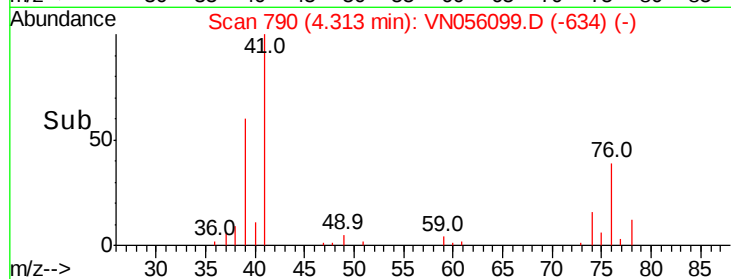
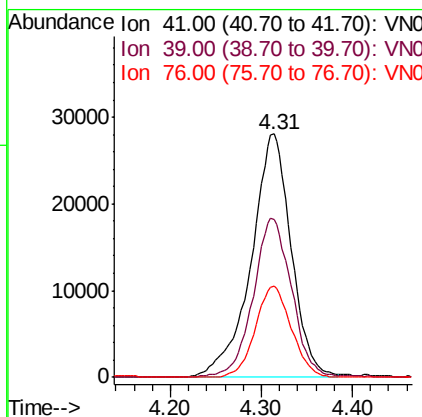
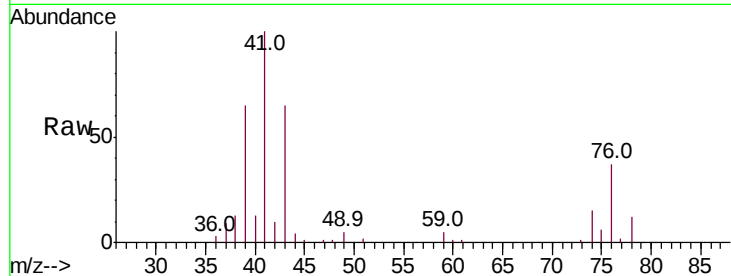
#17
Allvl chloride
Concen: 20.678 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.9	33.0	99.0
76	37.4	18.9	56.9

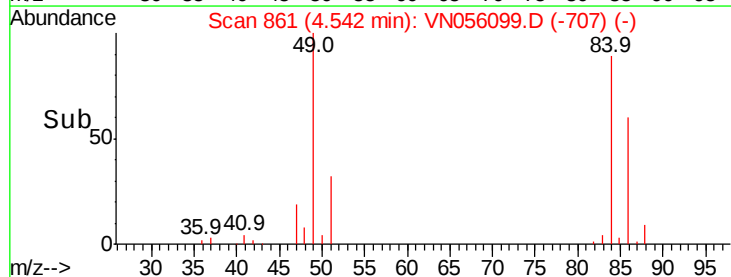
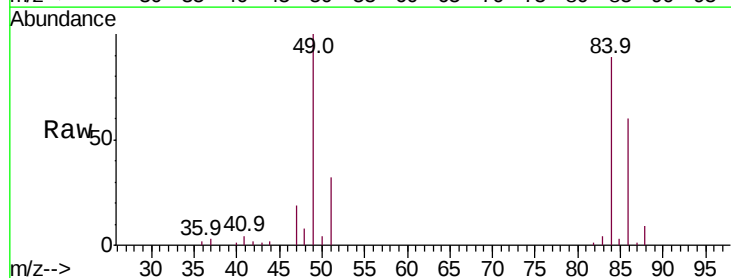
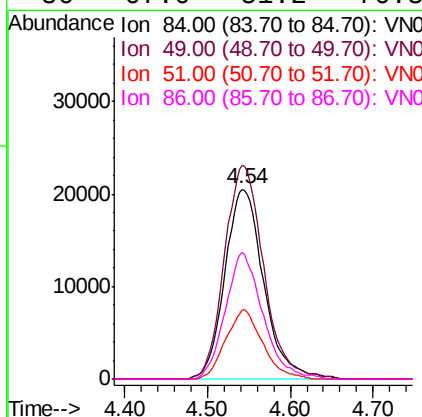
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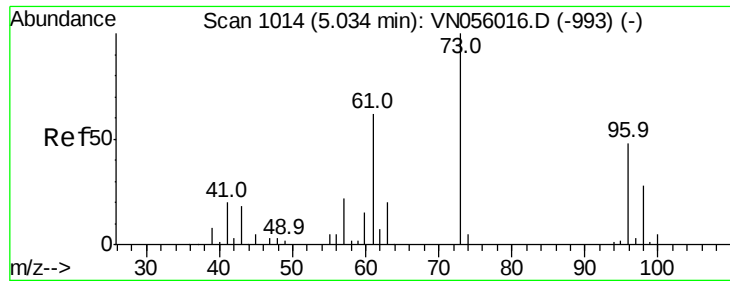
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#18
Methylene Chloride
Concen: 21.558 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.5	87.6	131.4
51	36.3	27.0	40.4
86	67.0	51.2	76.8





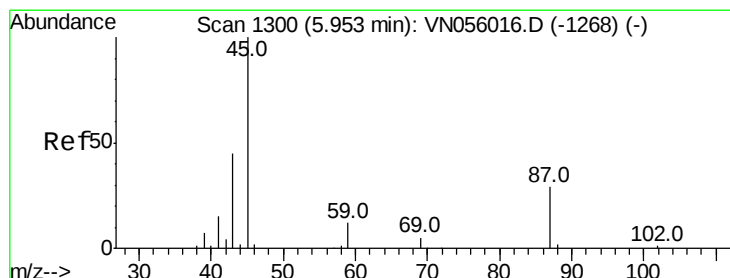
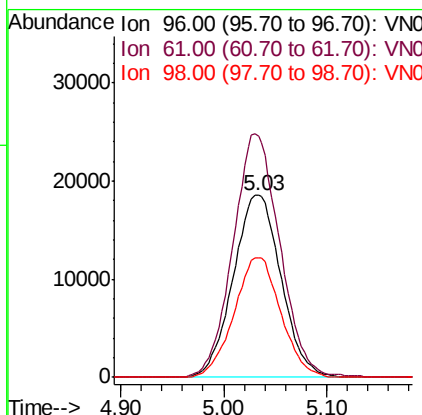
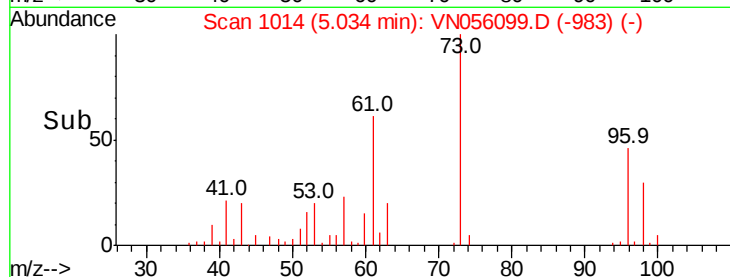
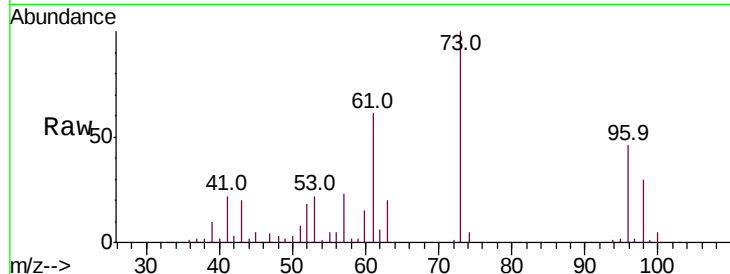
#19
trans-1,2-Dichloroethene
Concen: 20.897 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.2	102.5	153.7
98	65.6	46.9	70.3

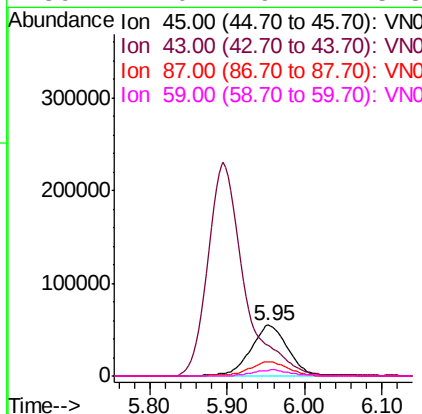
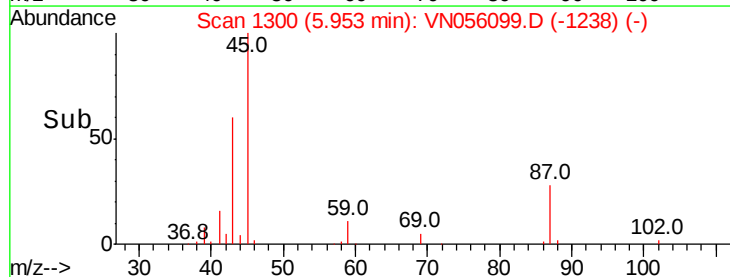
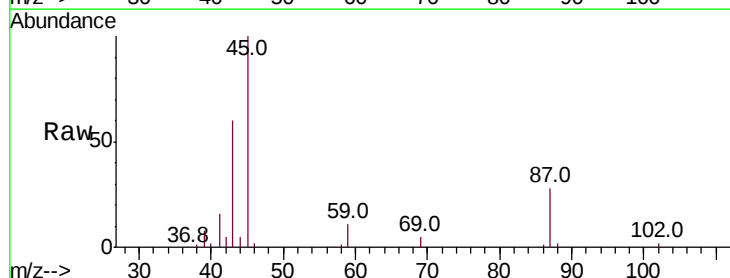
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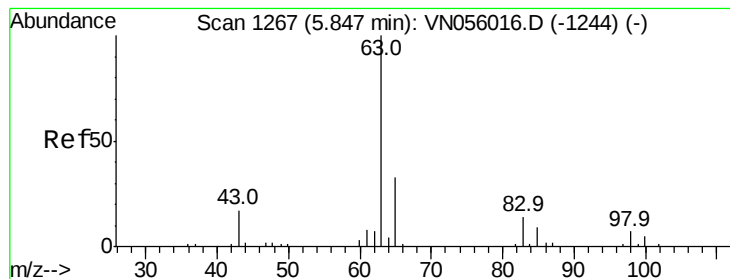
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#20
Diisopropyl ether
Concen: 21.422 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	48.0	72.0
87	28.0	23.4	35.2
59	11.0	9.2	13.8





#21

1,1-Dichloroethane

Concen: 21.325 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

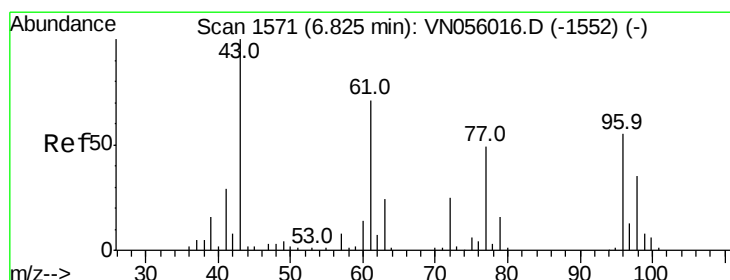
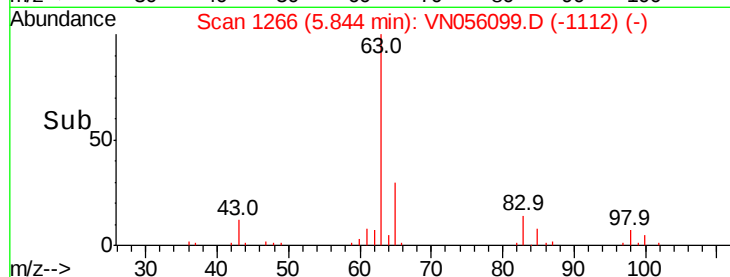
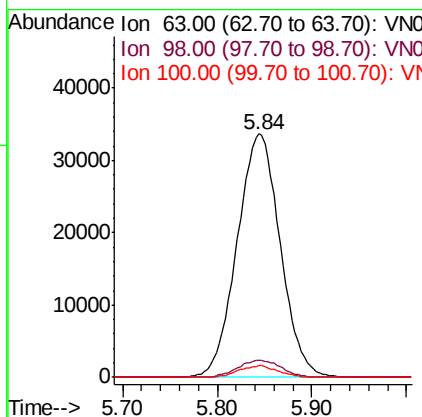
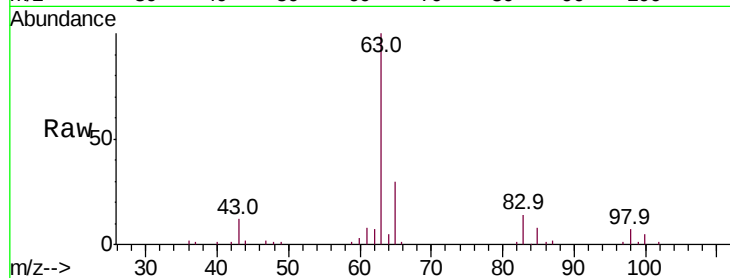
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	106556		
98	7.1		3.5	10.5
100	4.8		2.3	6.9

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#22

cis-1,2-Dichloroethene

Concen: 20.957 ug/l

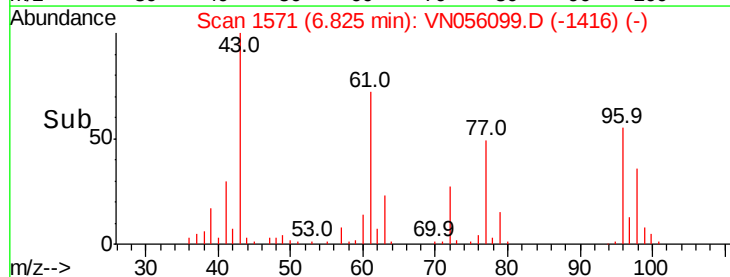
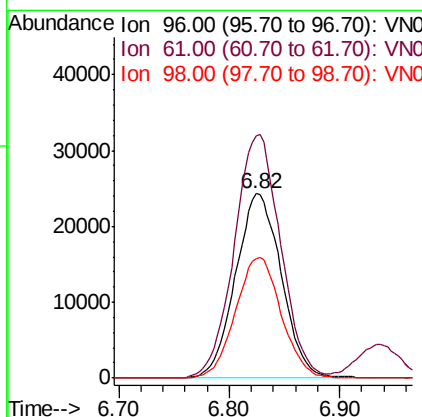
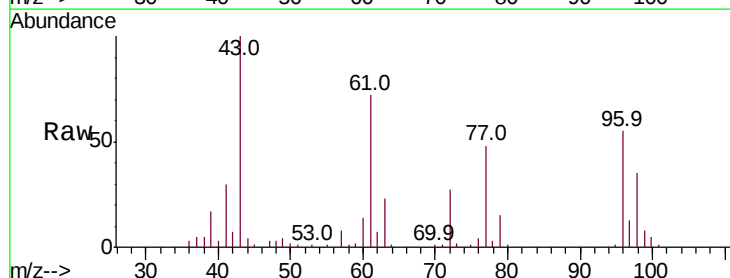
RT: 6.82 min Scan# 1571

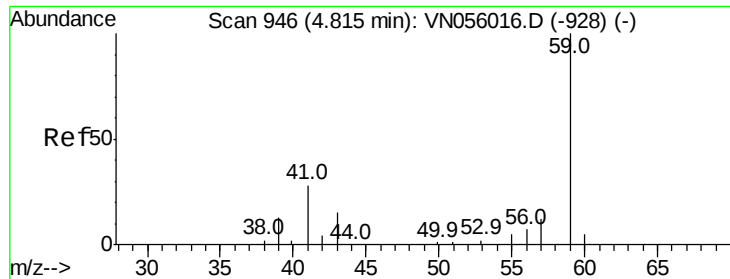
Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	69934		
61	133.7		105.7	158.5
98	65.2		52.0	78.0





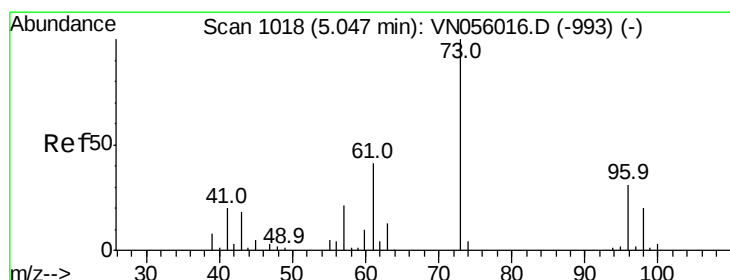
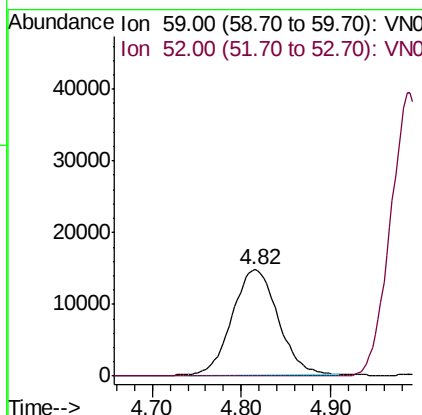
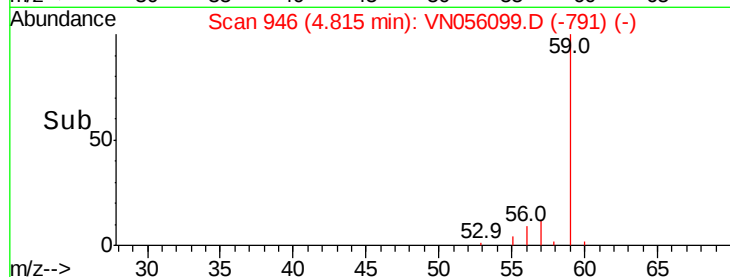
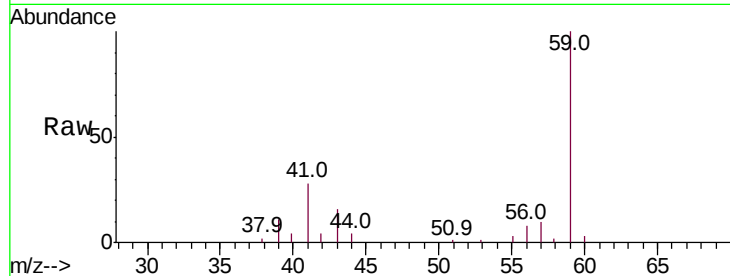
#23
tert-Butyl Alcohol
Concen: 94.292 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 59 Resp: 52680
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

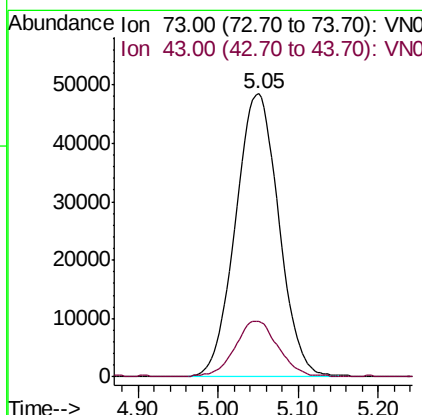
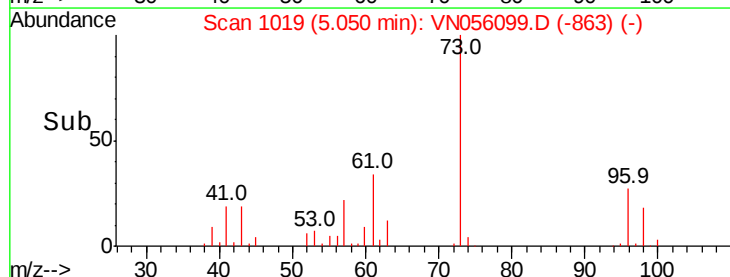
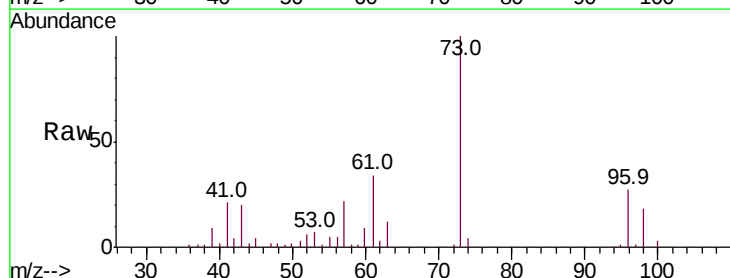
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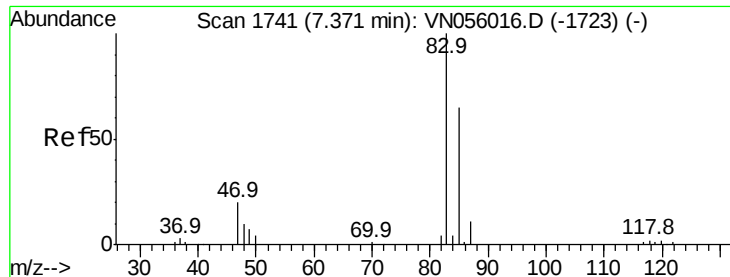
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6/10/2019 11:26:50 AM



#24
Methyl tert-Butyl Ether
Concen: 20.948 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion: 73 Resp: 178813
Ion Ratio Lower Upper
73 100
43 19.7 15.4 23.0





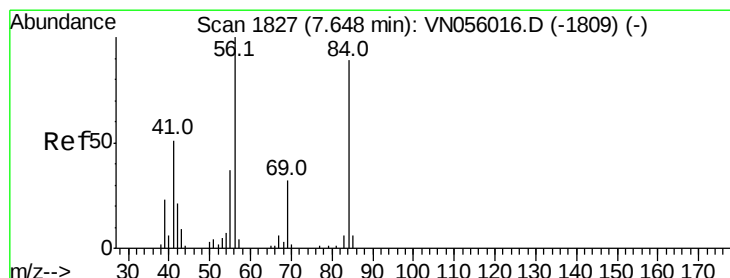
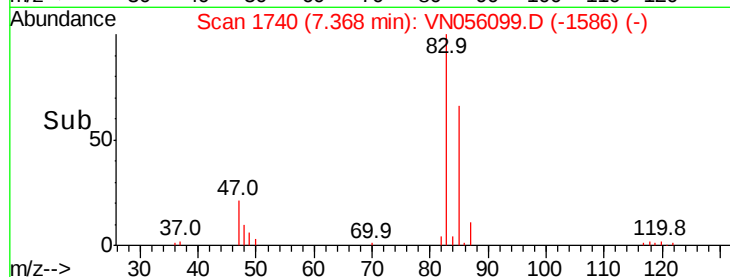
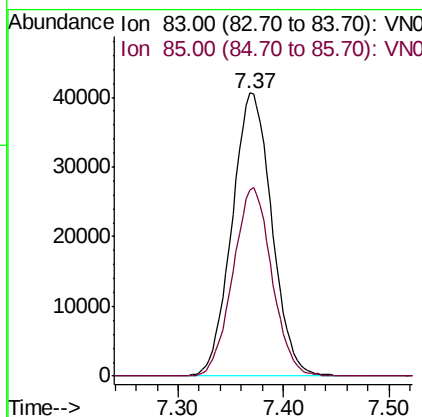
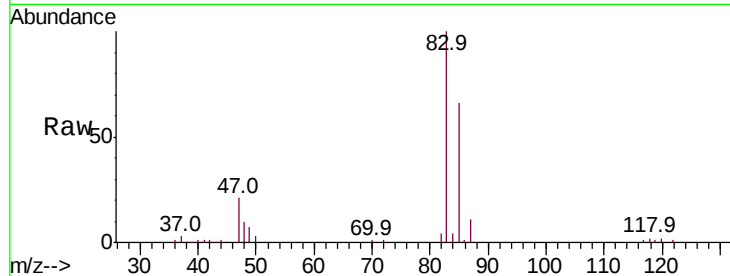
#25
Chloroform
Concen: 21.323 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 106391
Ion Ratio Lower Upper
83 100
85 65.9 52.0 78.0

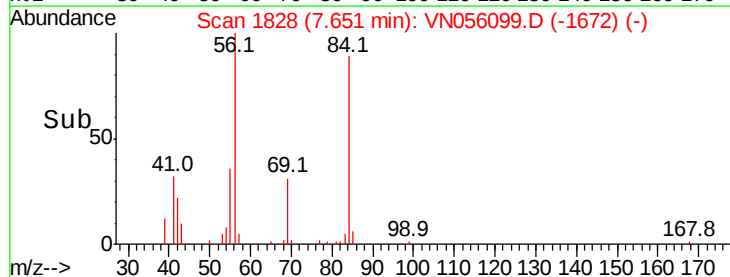
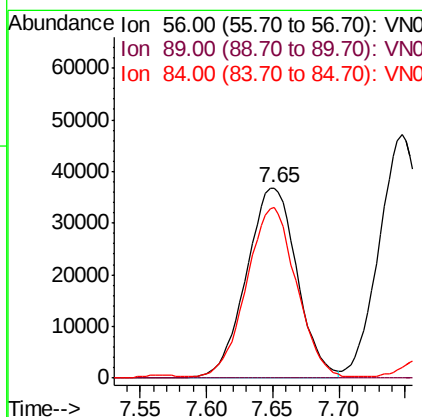
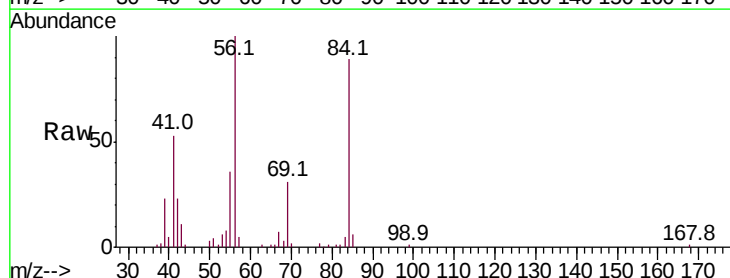
Manual Integrations
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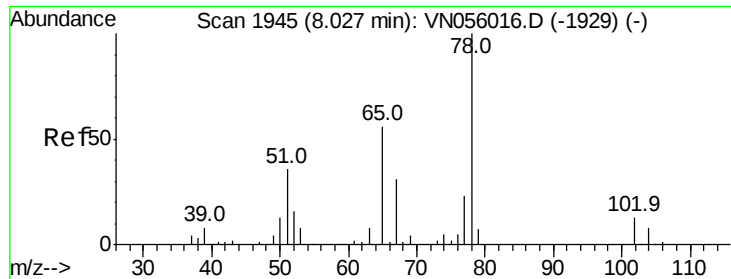
MMDadoda
6/10/2019 11:26:50 AM



#26
Cyclohexane
Concen: 21.113 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion: 56 Resp: 97874
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 89.1 70.1 105.1





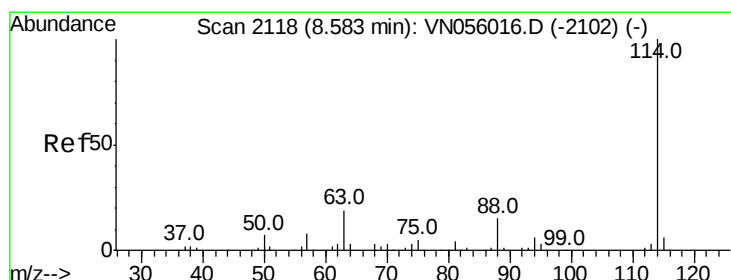
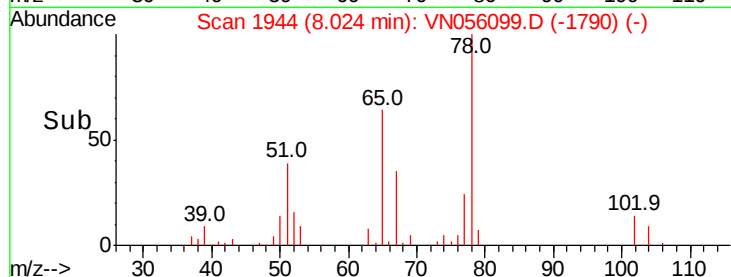
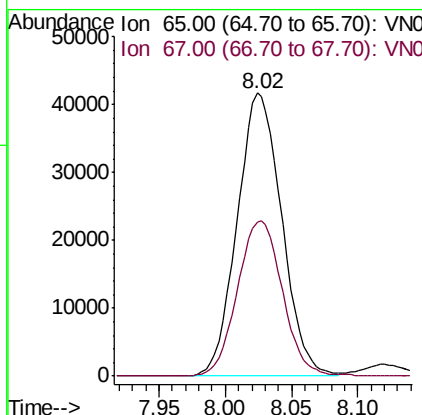
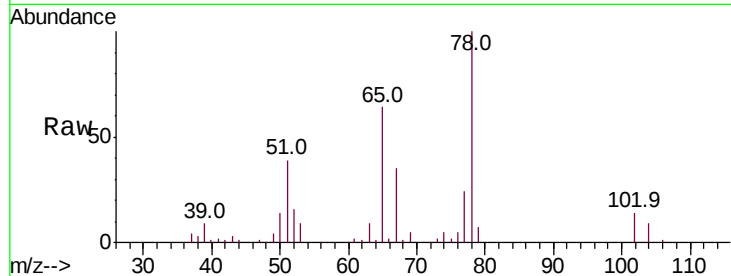
#27
 1,2-Dichloroethane-d4
 Concen: 30.544 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 97324
 Ion Ratio Lower Upper
 65 100
 67 55.3 43.4 65.2

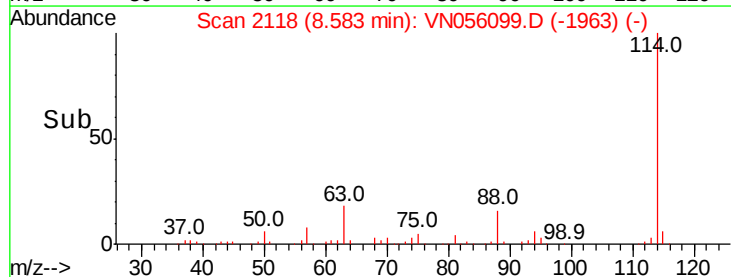
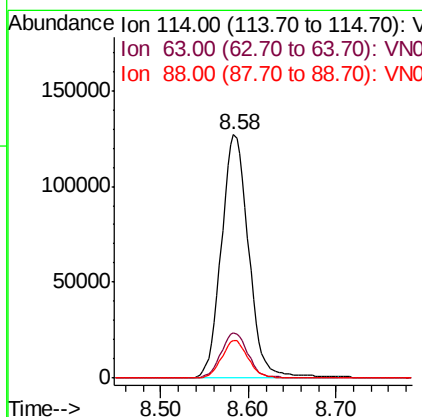
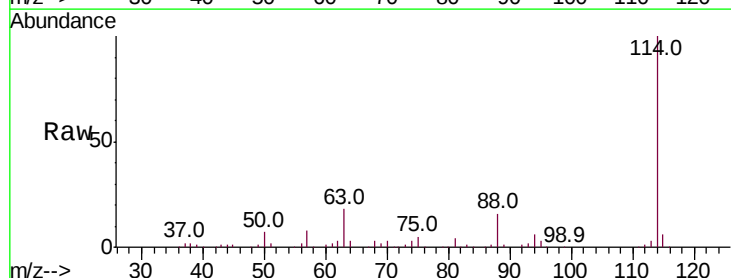
Manual Integrations
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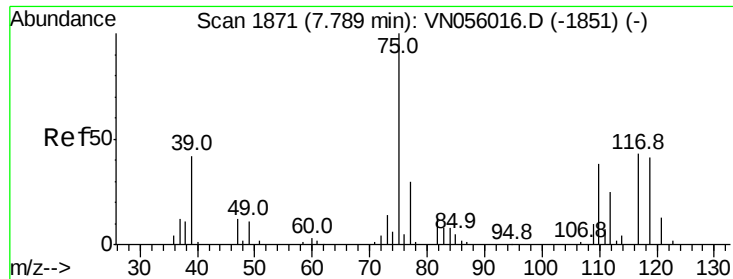
MMDadoda
 6/10/2019 11:26:50 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Tgt Ion: 114 Resp: 275604
 Ion Ratio Lower Upper
 114 100
 63 18.5 14.7 22.1
 88 14.9 11.9 17.9





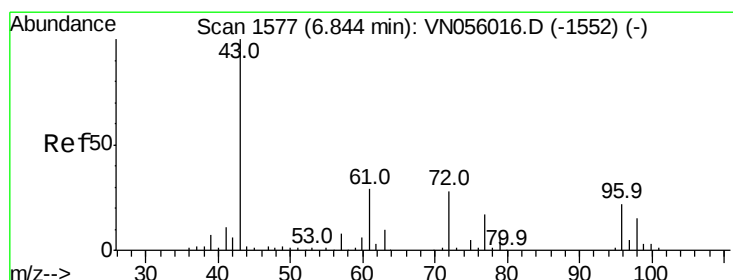
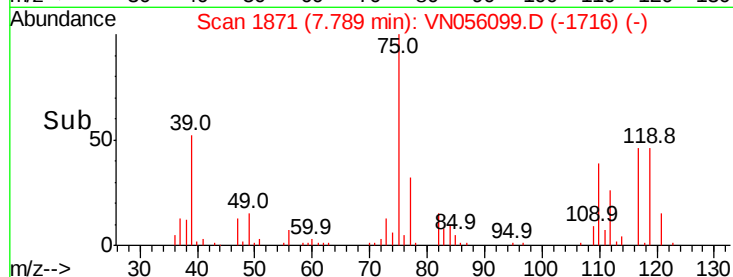
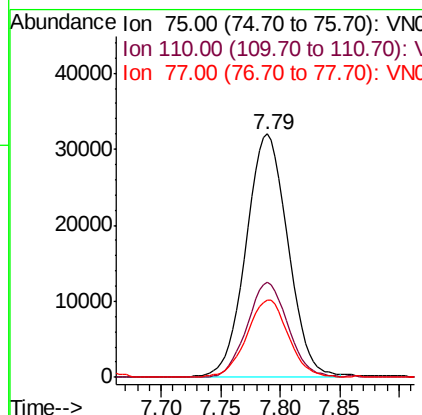
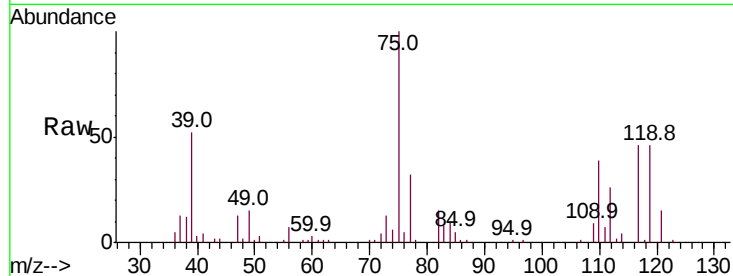
#29
 1,1-Dichloropropene
 Concen: 20.996 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.0	0.0	77.0
77	31.5	0.0	62.4

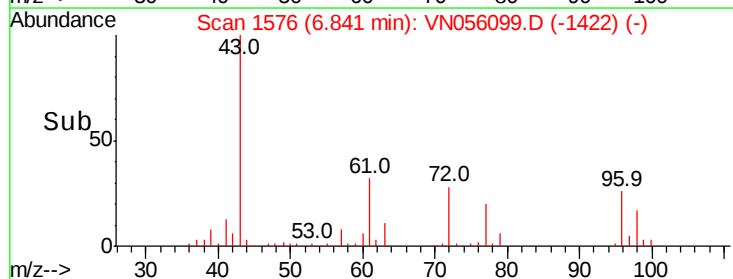
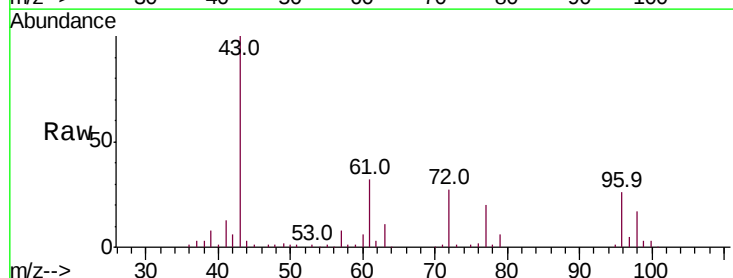
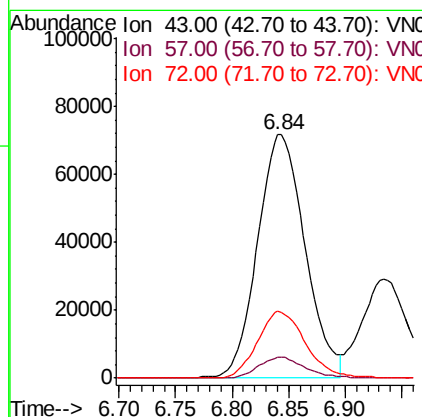
Manual Integrations
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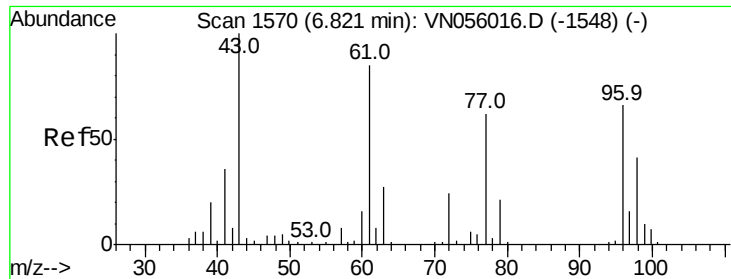
MMDadoda
 6/10/2019 11:26:50 AM



#30
 2-Butanone
 Concen: 105.992 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.7	10.1
72	27.7	22.4	33.6





#31

2,2-Dichloropropane

Concen: 19.924 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 69097

Ion Ratio Lower Upper

77 100

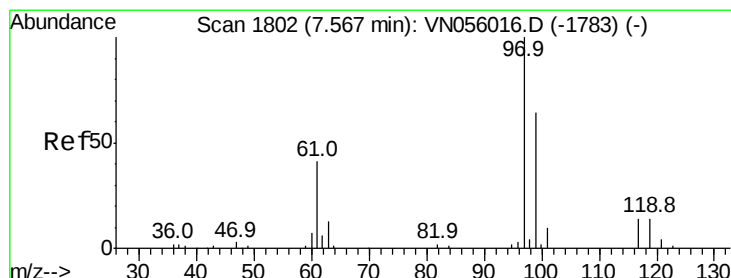
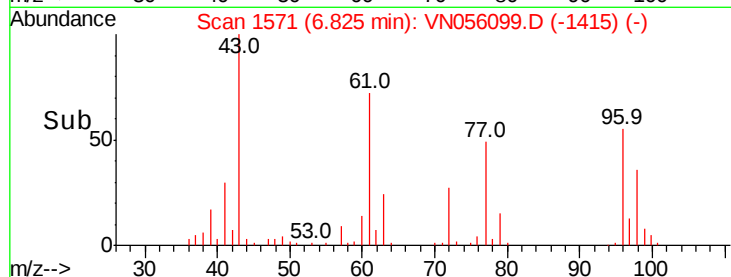
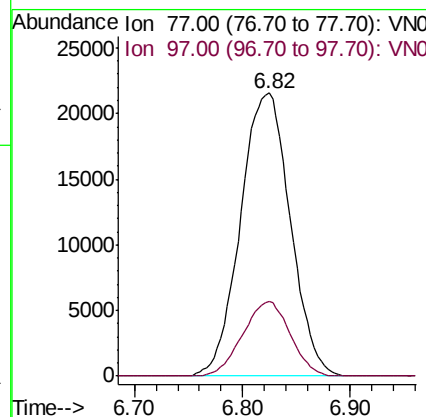
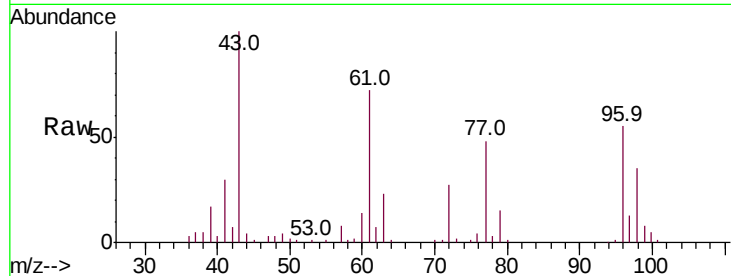
97 25.2 20.8 31.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.717 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

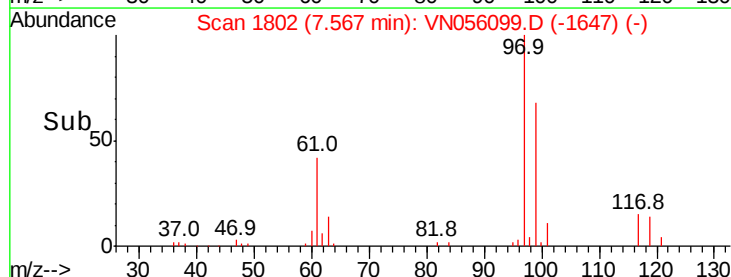
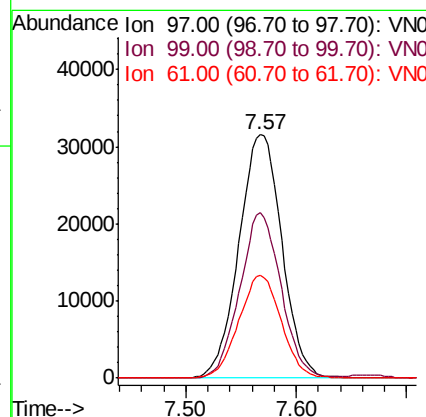
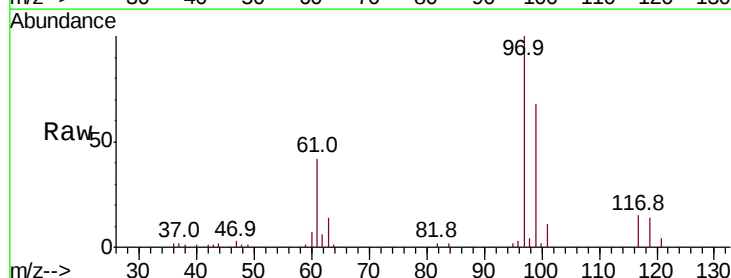
Tgt Ion: 97 Resp: 85330

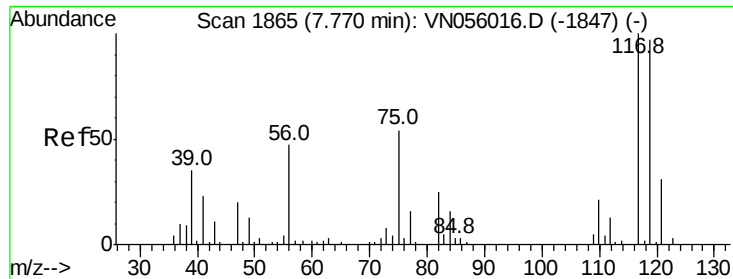
Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

61 41.7 32.9 49.3





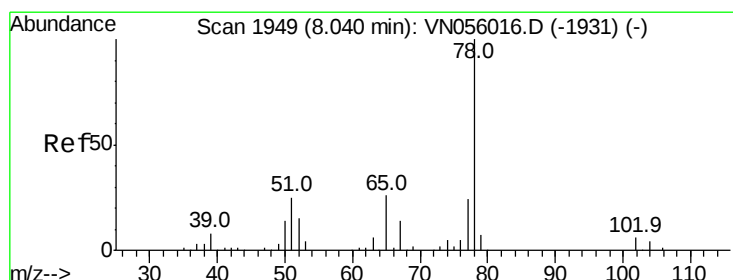
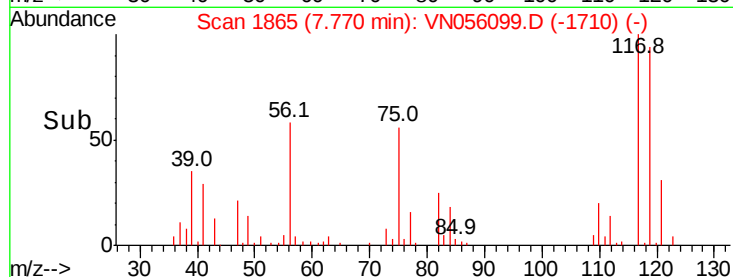
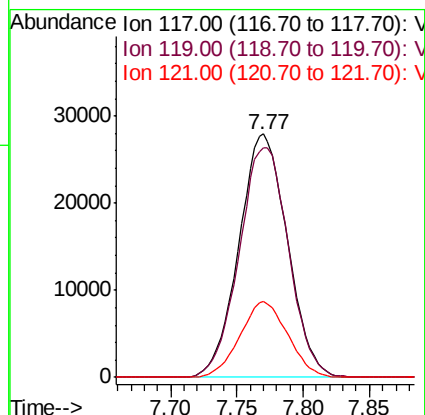
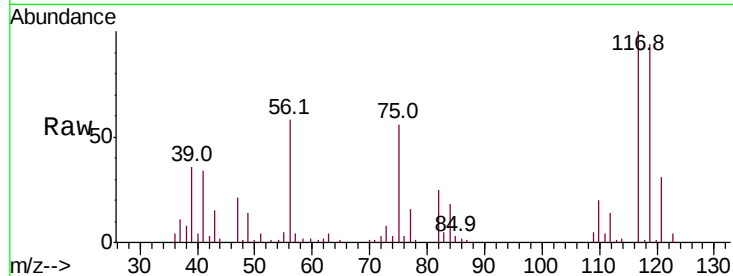
#33
Carbon Tetrachloride
Concen: 20.411 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion:117 Resp: 71228
Ion Ratio Lower Upper
117 100
119 94.3 77.3 115.9
121 31.4 25.0 37.4

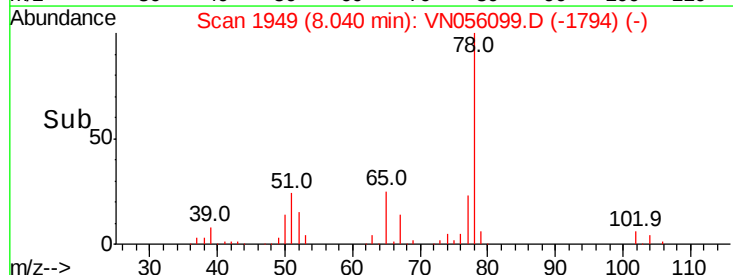
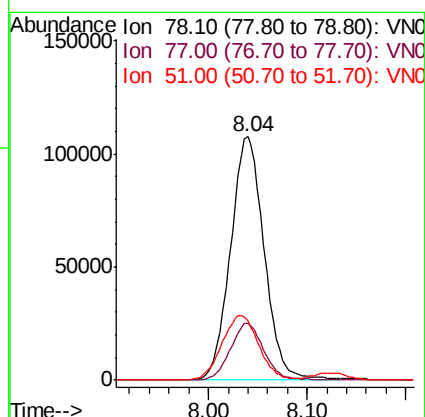
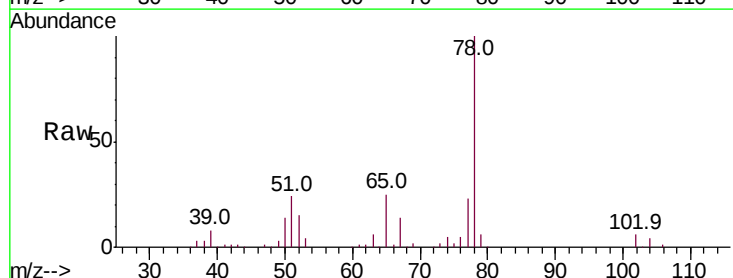
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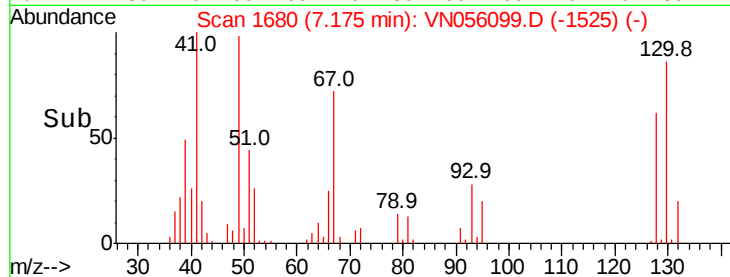
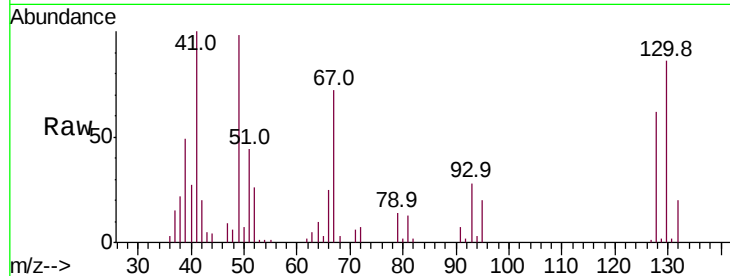
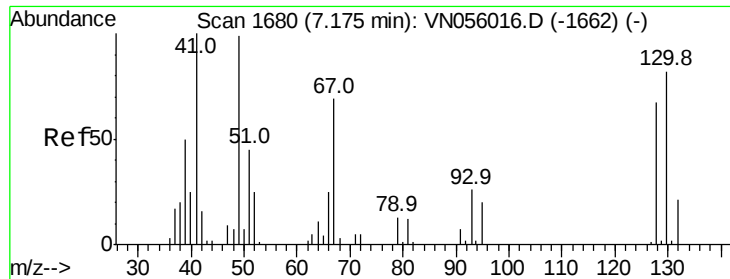
MMDadoda
6/10/2019 11:26:50 AM



#34
Benzene
Concen: 21.577 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion: 78 Resp: 256294
Ion Ratio Lower Upper
78 100
77 23.5 19.3 28.9
51 24.0 19.8 29.8





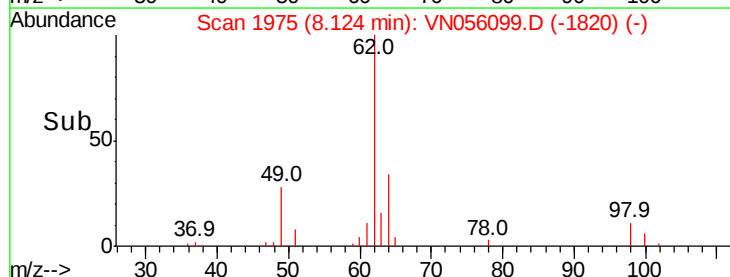
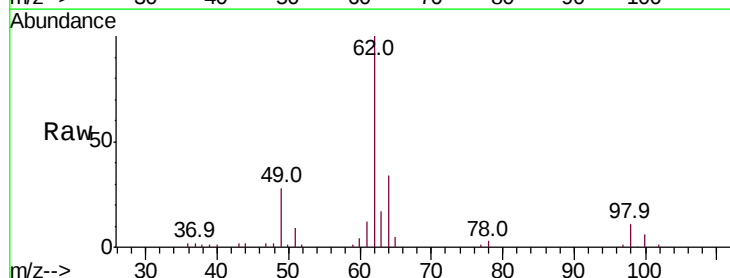
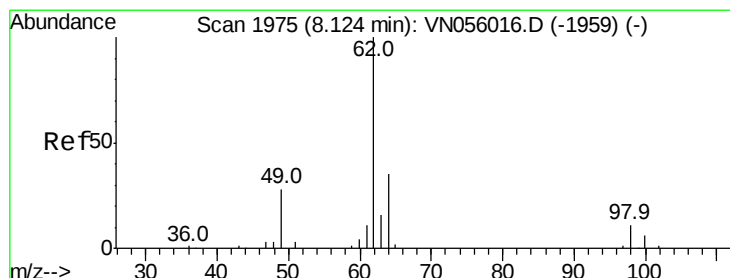
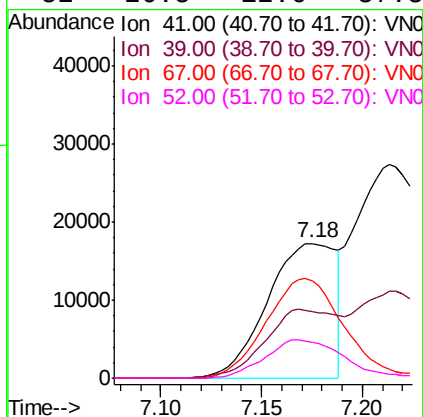
#35
Methacrylonitrile
Concen: 24.583 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.1	24.8	74.3	
67	72.1	34.3	102.9	
52	26.5	12.6	37.8	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

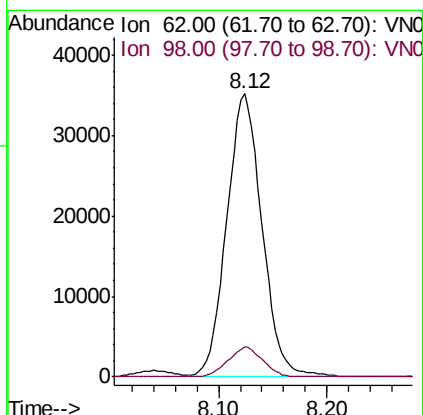
Manual Integrations
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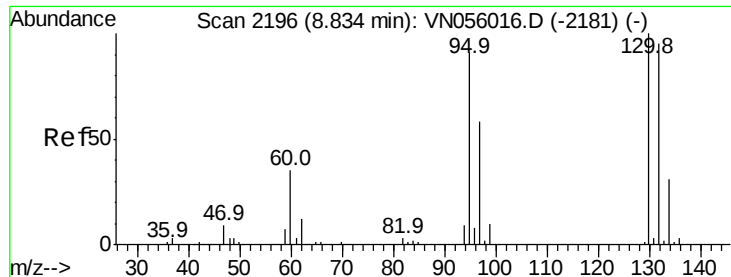
MMDadoda
6/10/2019 11:26:50 AM



#36
1,2-Dichloroethane
Concen: 21.573 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	8.6	13.0	





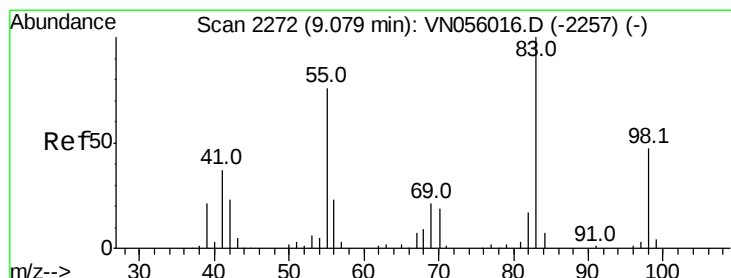
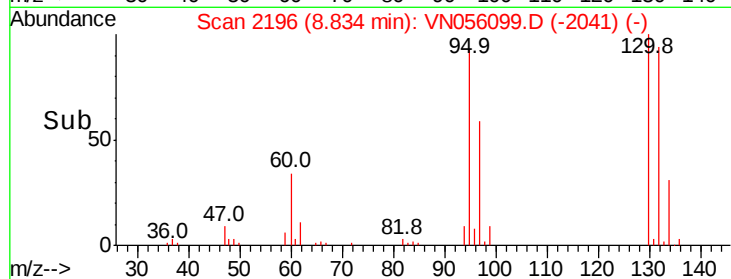
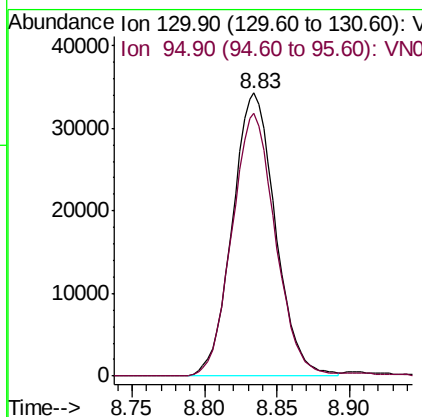
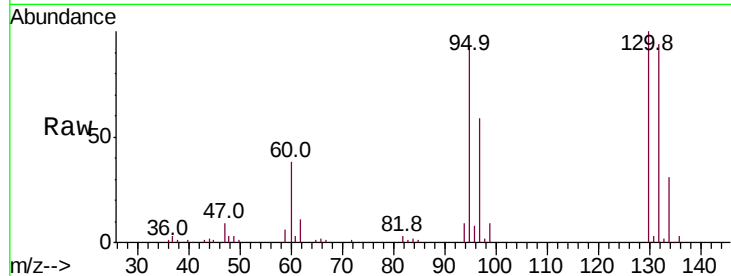
#37
 Trichloroethene
 Concen: 21.314 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 70844
 Ion Ratio Lower Upper
 130 100
 95 92.7 73.0 109.6

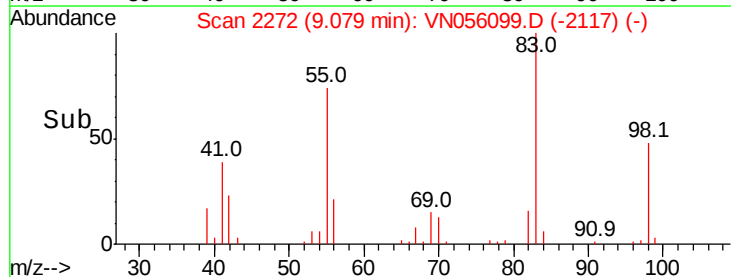
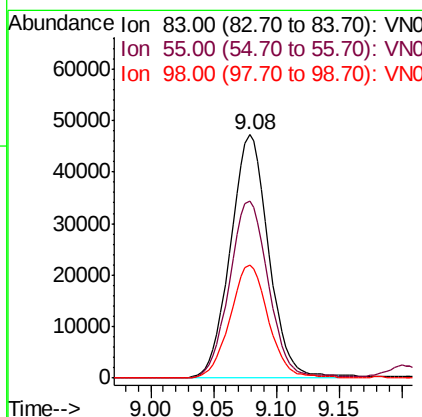
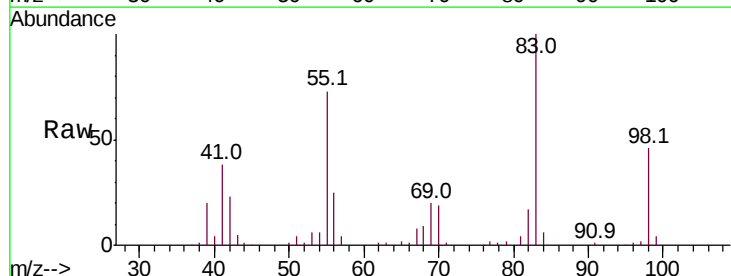
Manual Integrations
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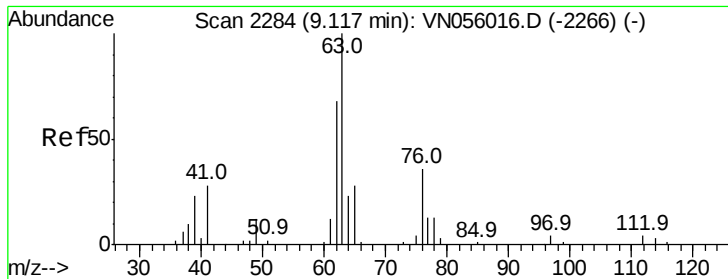
MMDadoda
 6/10/2019 11:26:50 AM



#38
 Methylcyclohexane
 Concen: 21.143 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Tgt Ion: 83 Resp: 99927
 Ion Ratio Lower Upper
 83 100
 55 74.5 37.5 112.7
 98 46.7 23.1 69.3





#39

1,2-Dichloropropane

Concen: 21.855 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 66486

Ion Ratio Lower Upper

63 100

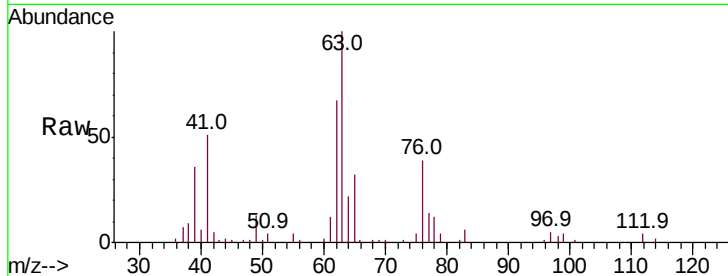
65 31.7 23.1 34.7

Manual Integrations

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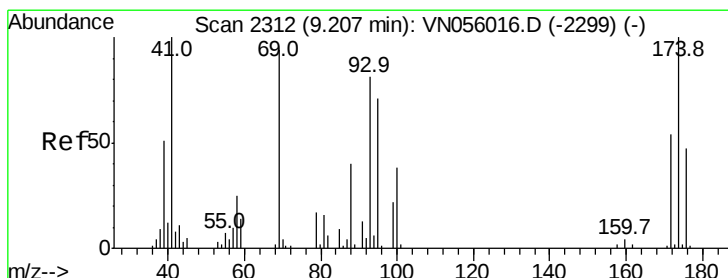
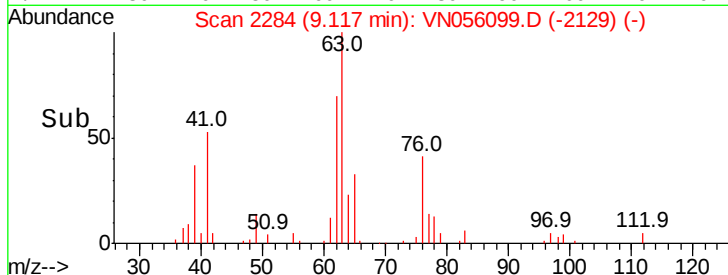
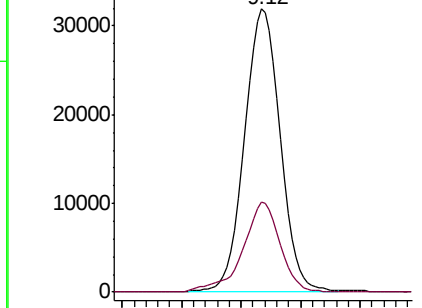
MMDadoda

6/10/2019 11:26:50 AM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.322 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

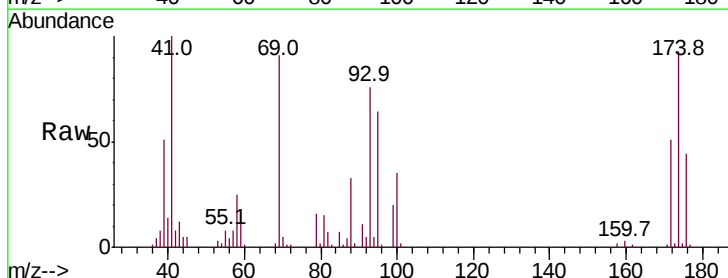
Tgt Ion: 93 Resp: 43008

Ion Ratio Lower Upper

93 100

95 85.5 0.0 169.0

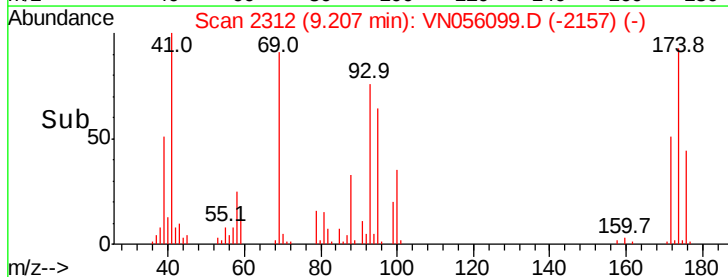
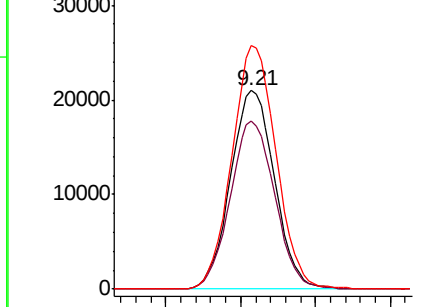
174 122.9 0.0 246.4

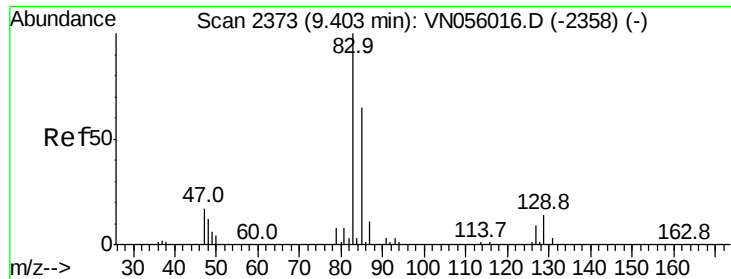


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





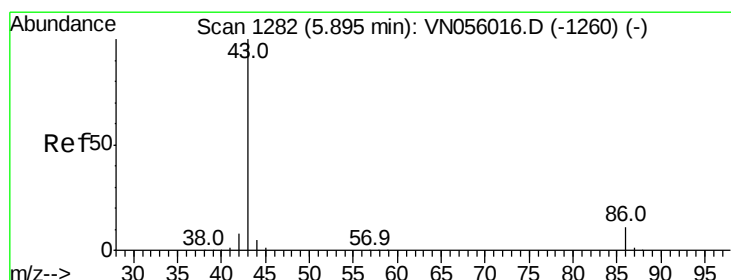
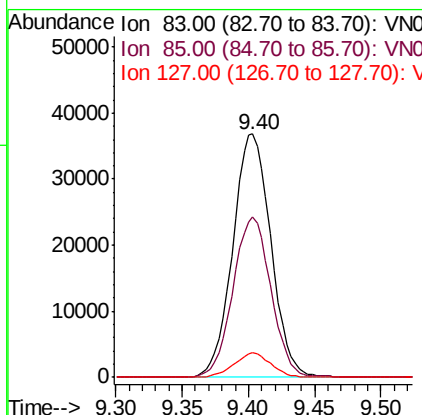
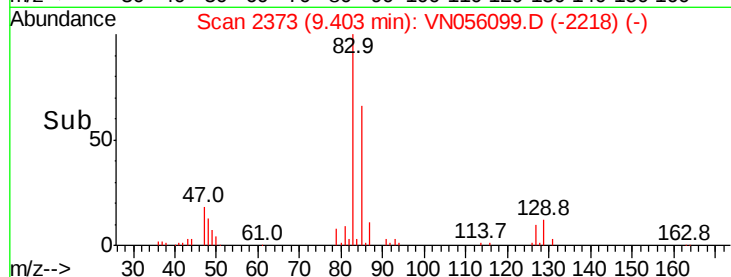
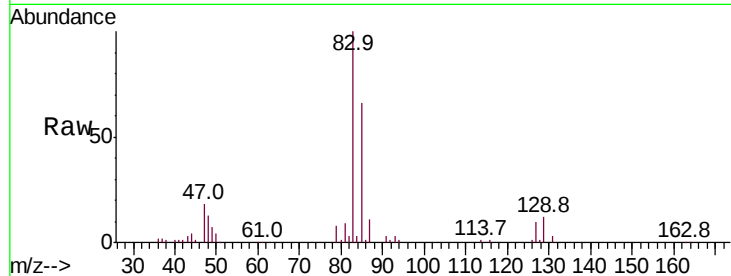
#41
Bromodichloromethane
Concen: 20.350 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	73502
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	51.8	77.6
127	11.0	7.3	10.9

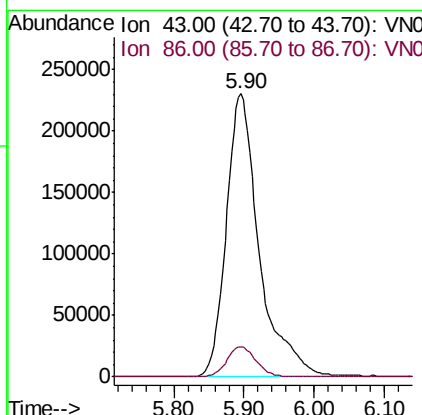
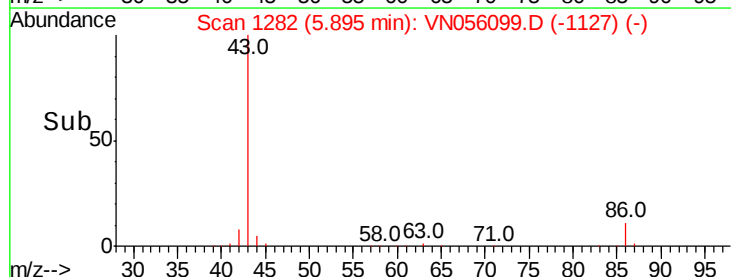
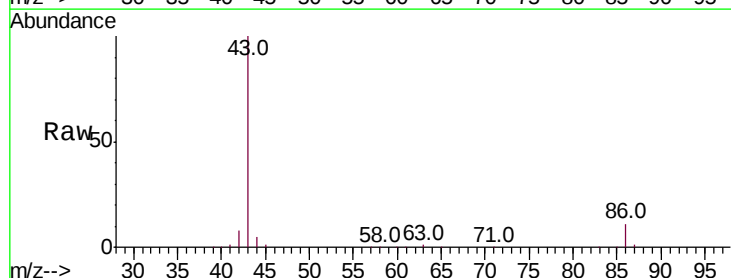
Manual Integrations
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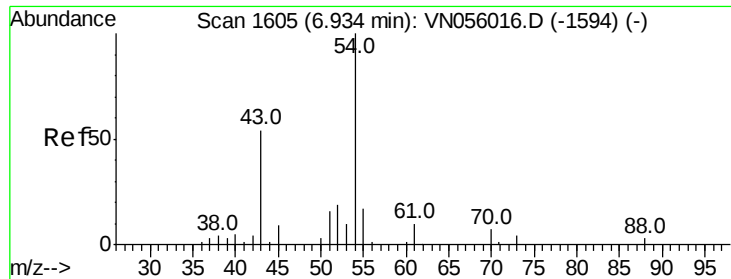
MMDadoda
6/10/2019 11:26:50 AM



#42
Vinyl Acetate
Concen: 107.632 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	43	Resp	753100
Ion Ratio	100	Lower	Upper
43	100		
86	9.5	7.9	11.9





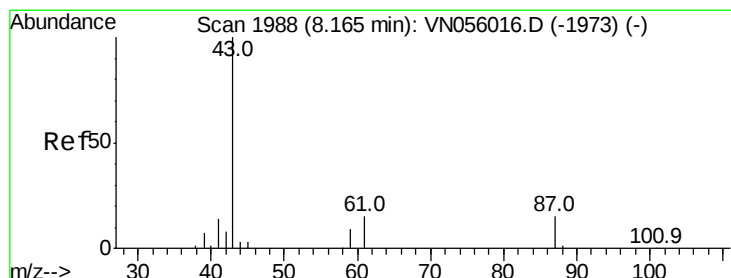
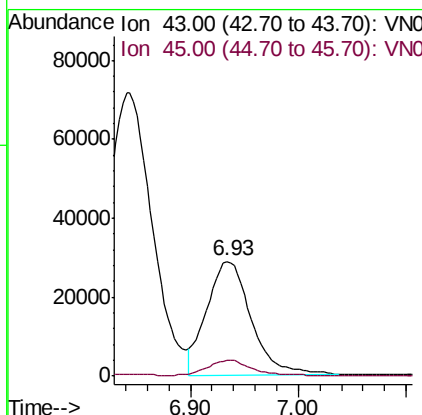
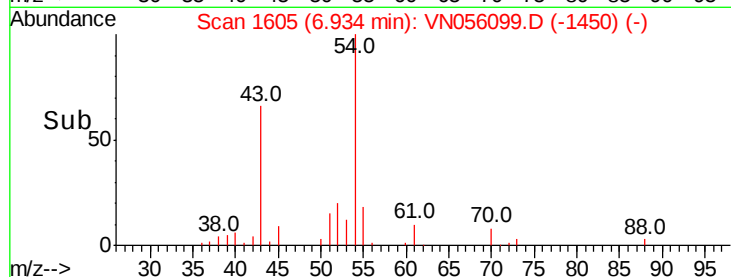
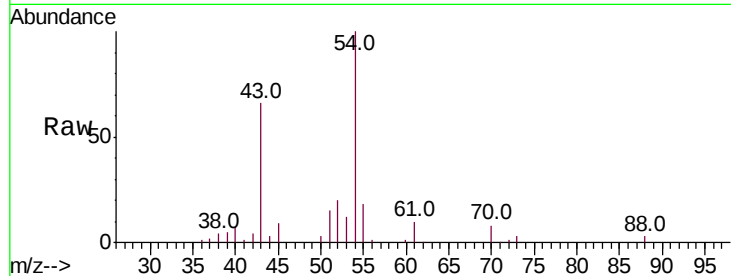
#43
Ethyl Acetate
Concen: 21.844 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 82049
Ion Ratio Lower Upper
43 100
45 12.8 12.3 18.5

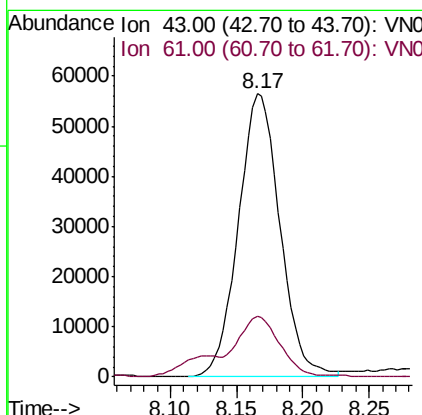
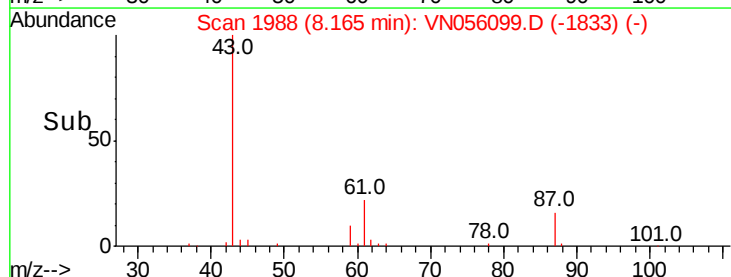
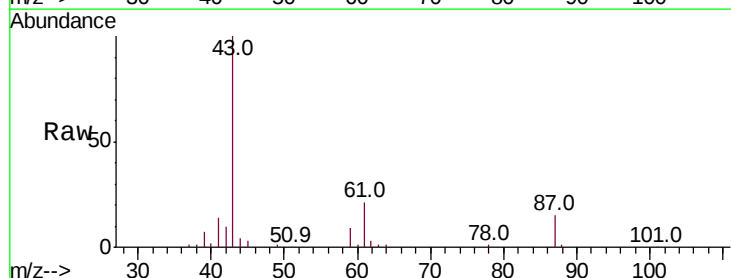
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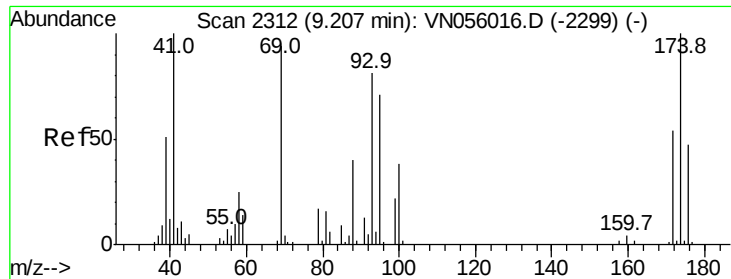
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#44
Isopropyl Acetate
Concen: 21.133 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion: 43 Resp: 123247
Ion Ratio Lower Upper
43 100
61 21.4 16.9 25.3





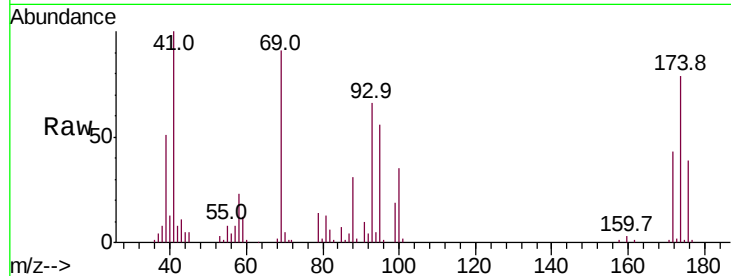
#45
1,4-Dioxane
Concen: 405.262 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

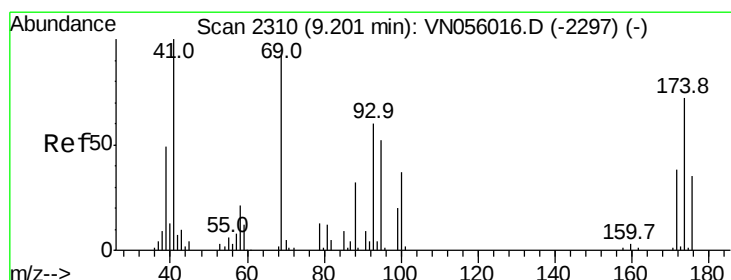
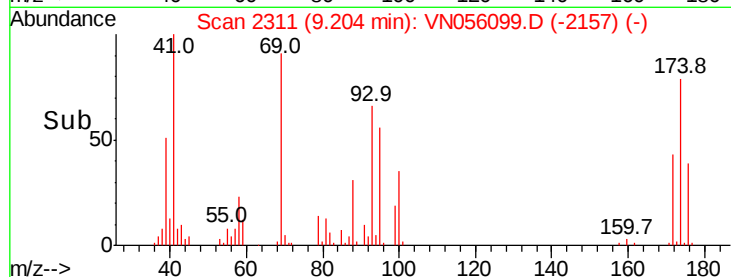
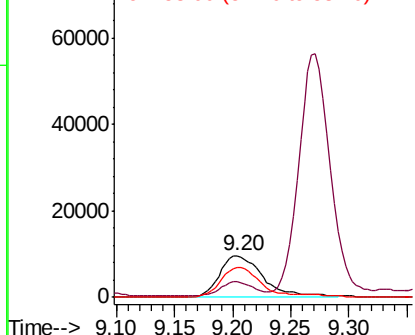
Tot Ion	88	Resp	25283
Ion	Ratio	Lower	Upper
88	100		
43	25.8	19.8	29.6
58	64.6	48.5	72.7

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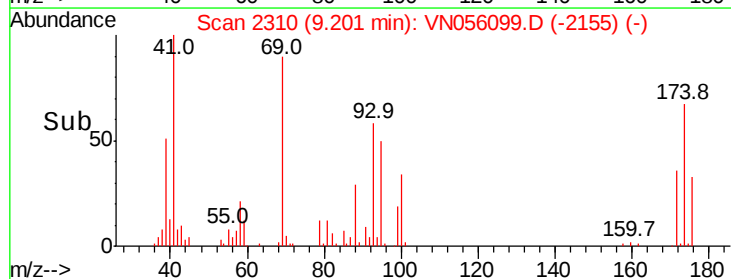
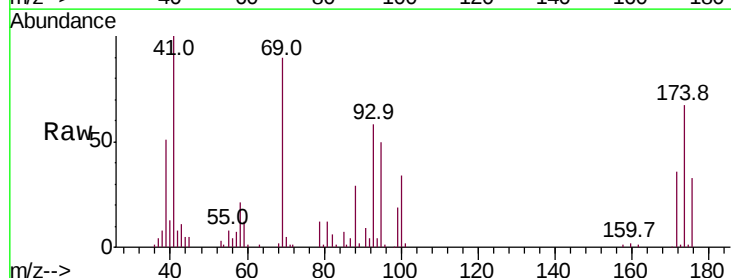
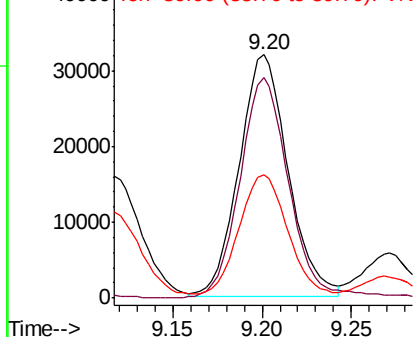
Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

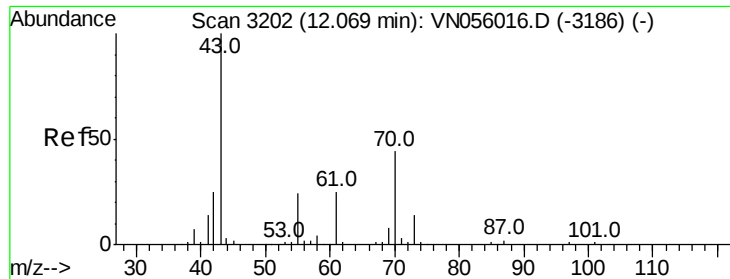


#46
Methyl methacrylate
Concen: 21.198 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	41	Resp	61415
Ion	Ratio	Lower	Upper
41	100		
69	91.5	46.0	137.8
39	49.8	24.6	73.8

Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#47

n-amvl Acetate

Concen: 20.465 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

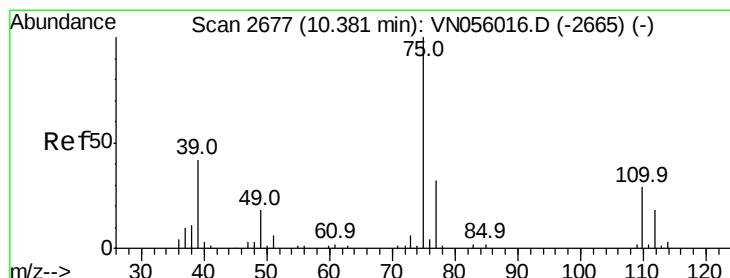
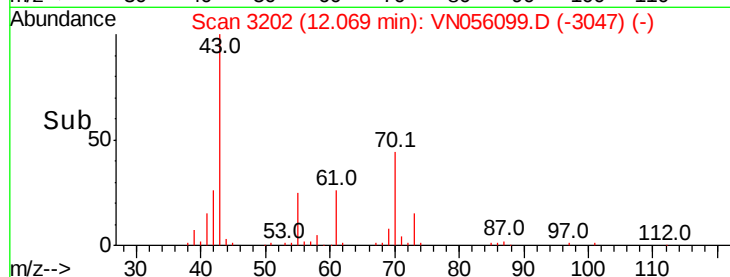
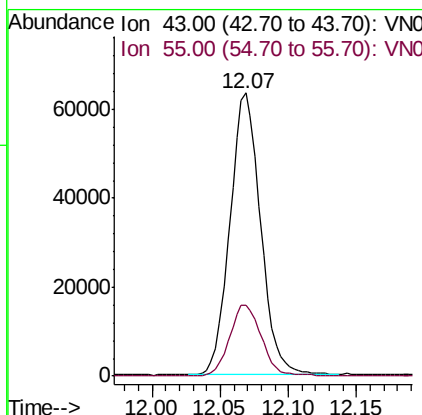
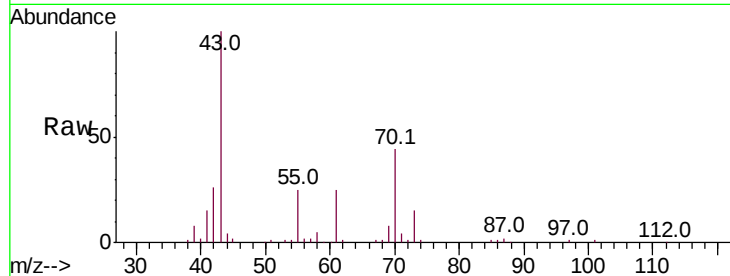
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 98703

Ion	Ratio	Lower	Upper
43	100		
55	26.5	19.0	28.6

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#48

t-1,3-Dichloropropene

Concen: 19.086 ug/l

RT: 10.38 min Scan# 2677

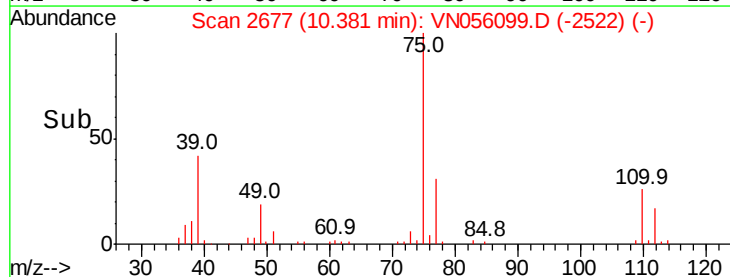
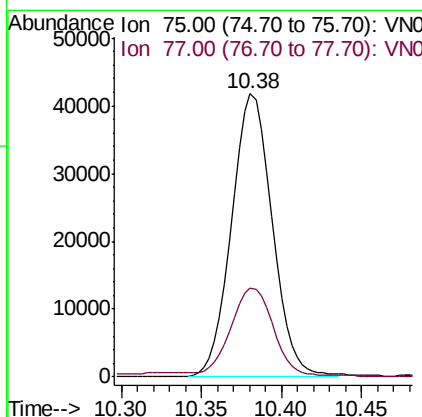
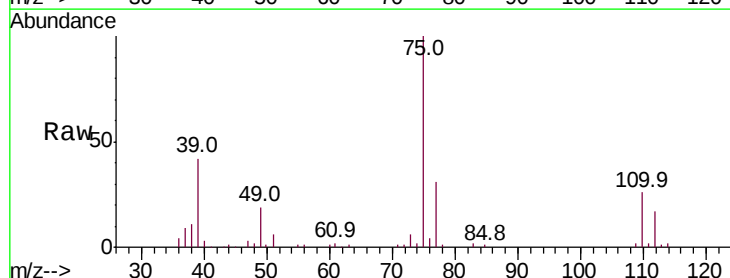
Delta R.T. -0.00 min

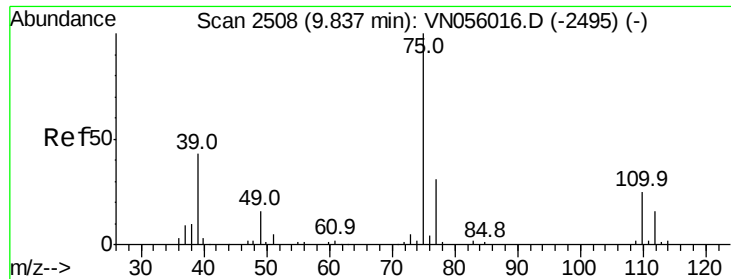
Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Tgt Ion: 75 Resp: 72549

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.0	39.0





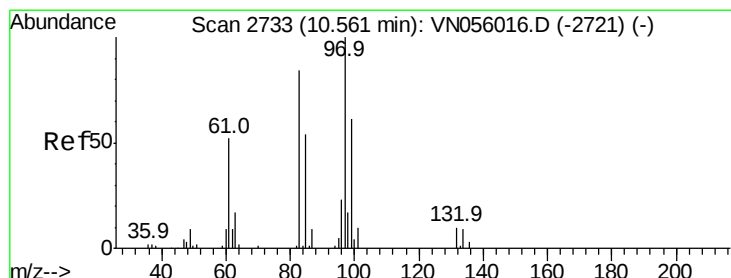
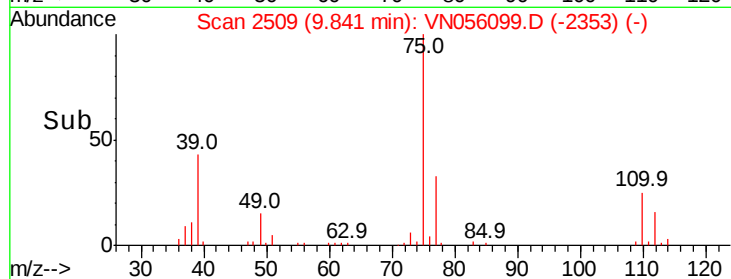
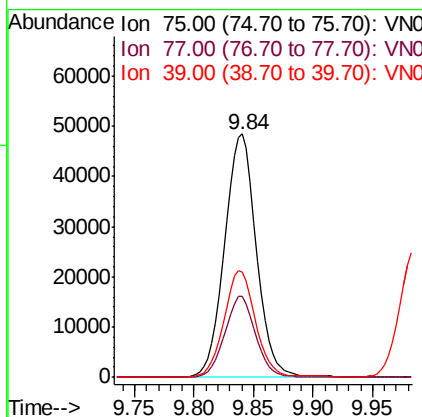
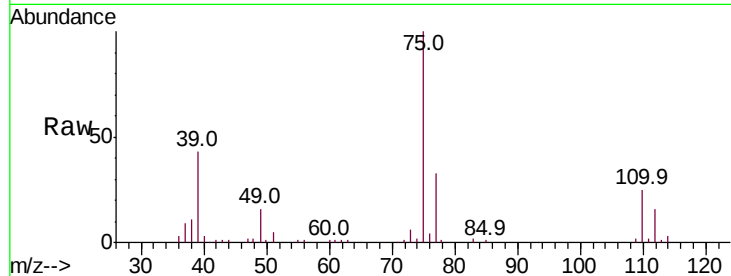
#49
 cis-1,3-Dichloropropene
 Concen: 20.156 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.1	37.7
39	43.3	34.3	51.5

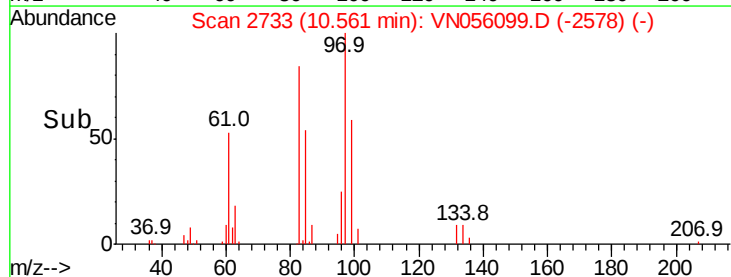
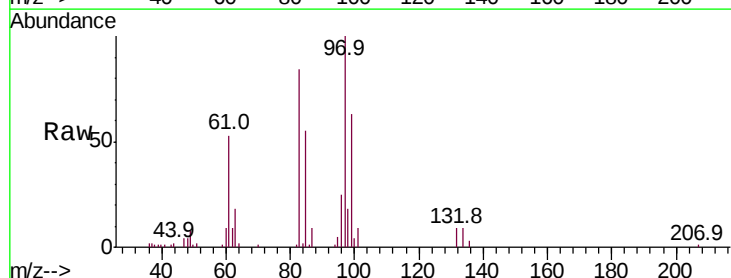
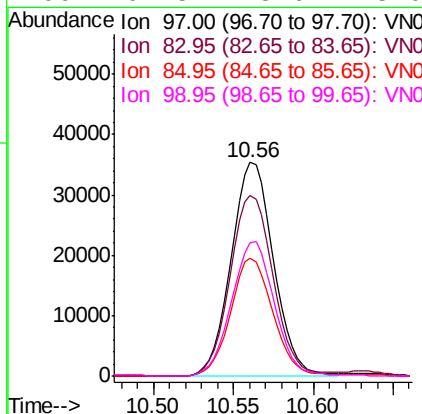
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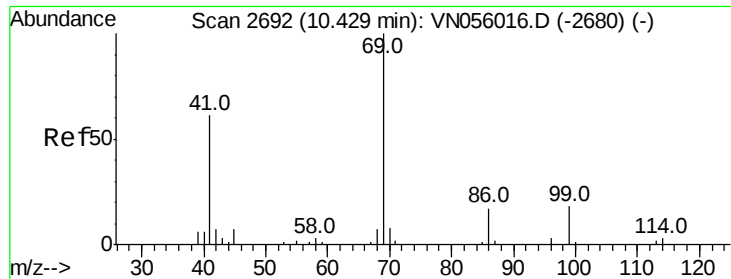
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#50
 1,1,2-Trichloroethane
 Concen: 21.396 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.3	66.9	100.3
85	55.3	43.3	64.9
99	62.5	48.6	73.0





#51

Ethyl methacrylate

Concen: 20.561 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

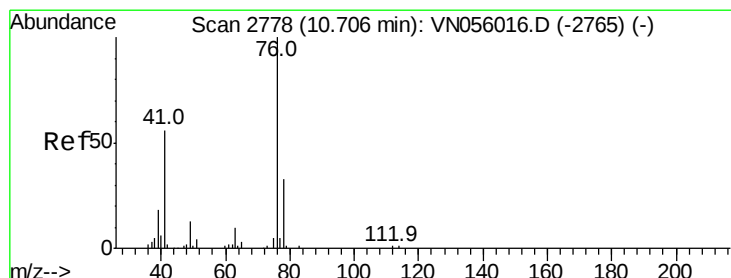
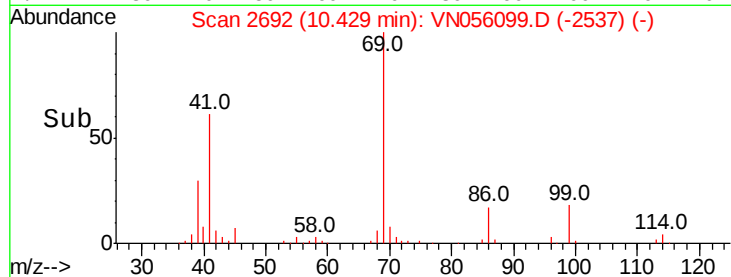
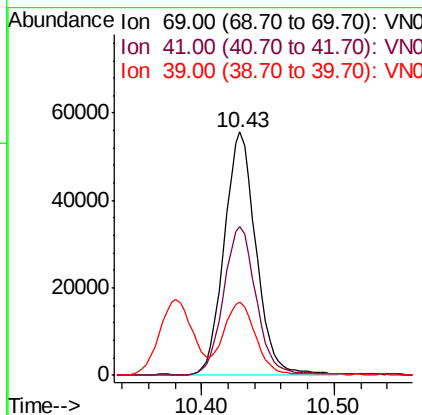
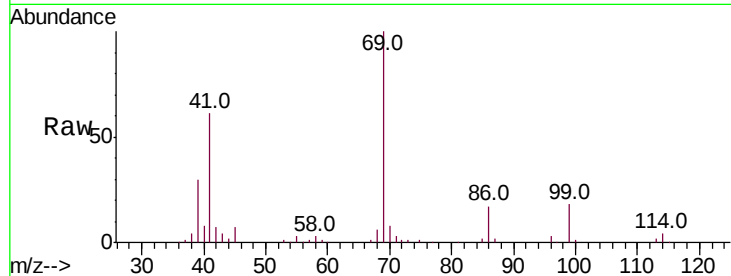
ClientSampled :

VSTDCCC020EC

Tot Ion:	69	Resp:	93194
Ion Ratio	Lower	Upper	
69	100		
41	60.7	30.8	92.3
39	29.6	14.5	43.6

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#52

1,3-Dichloropropane

Concen: 21.598 ug/l

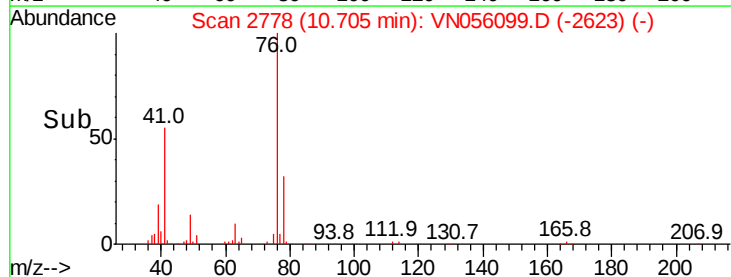
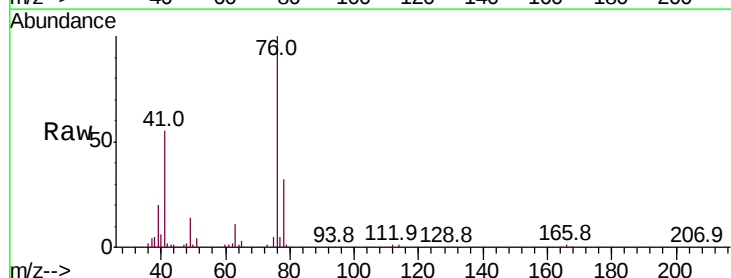
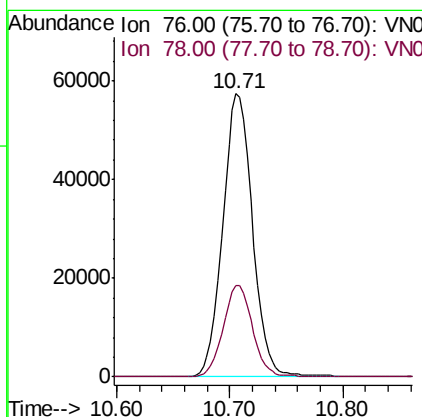
RT: 10.71 min Scan# 2778

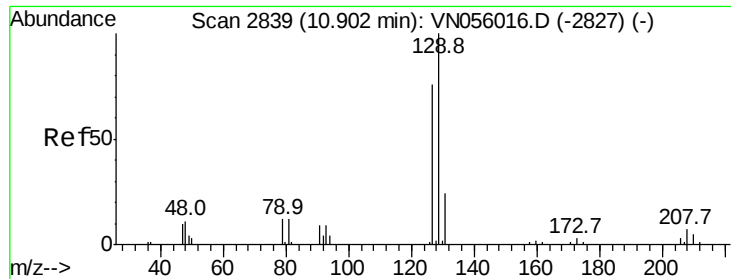
Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Tgt Ion:	76	Resp:	104904
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	63.4





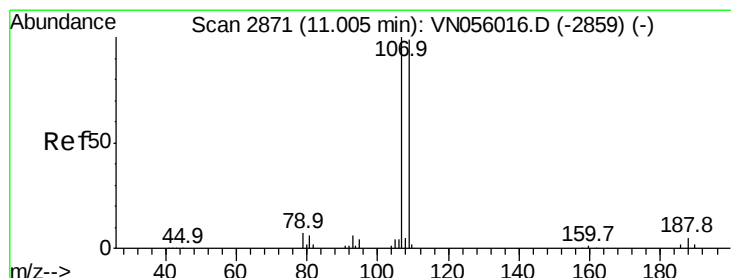
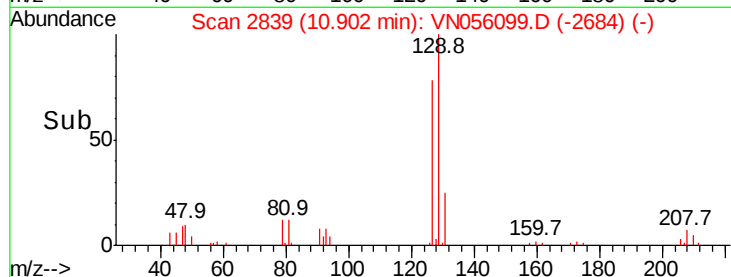
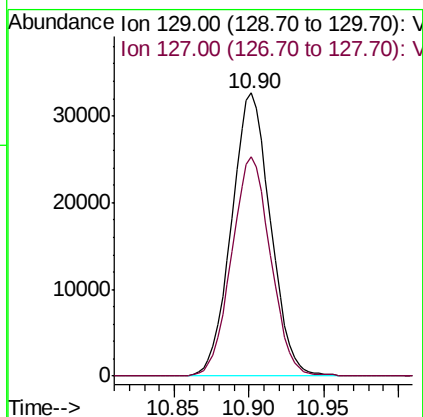
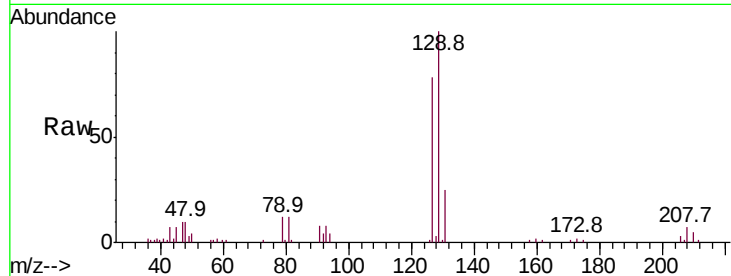
#53
Dibromochloromethane
Concen: 20.186 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 59200
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.5

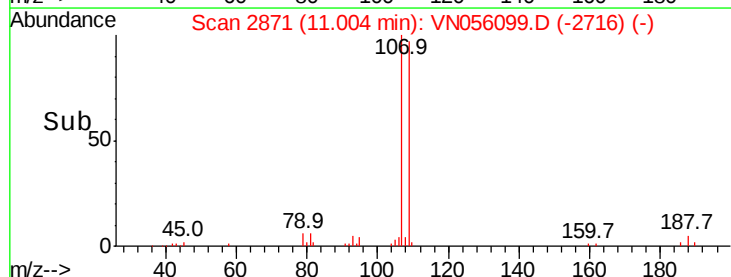
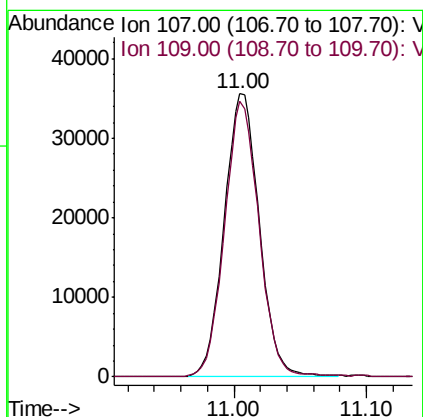
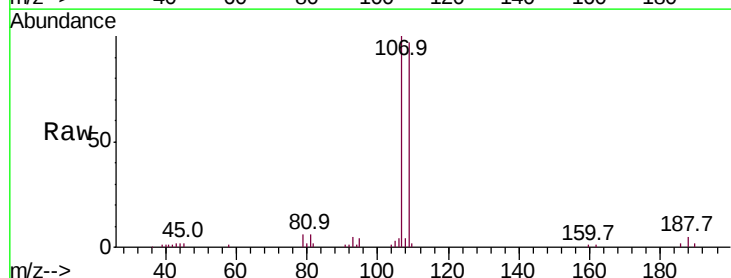
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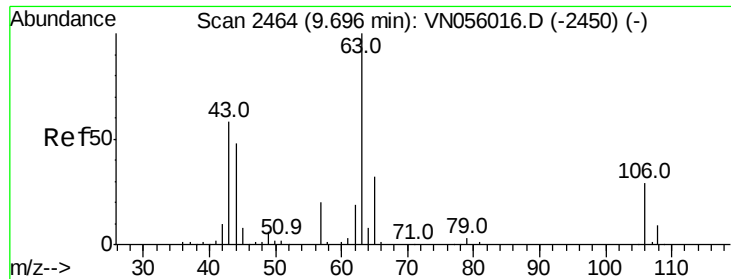
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#54
1,2-Dibromoethane
Concen: 20.933 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion:107 Resp: 65443
Ion Ratio Lower Upper
107 100
109 95.6 76.8 115.2





#55

2-Chloroethyl vinyl ether

Concen: 100.756 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

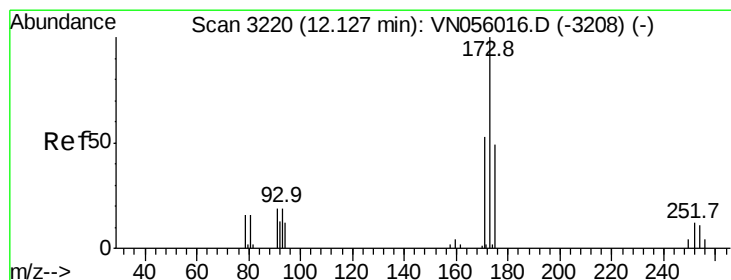
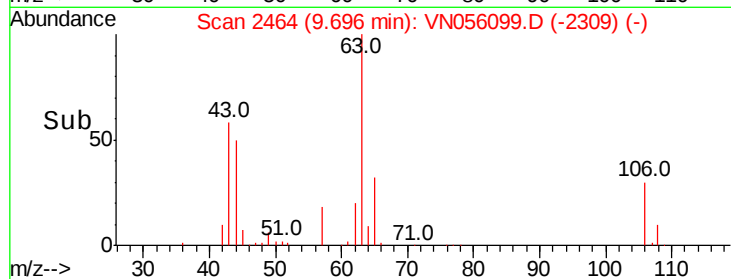
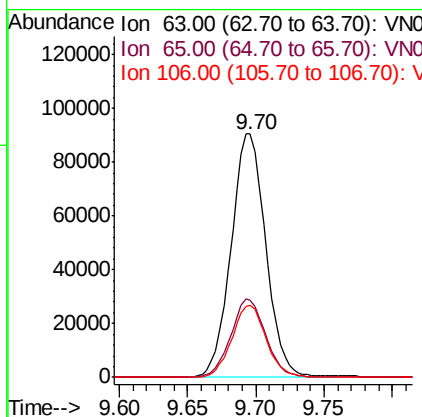
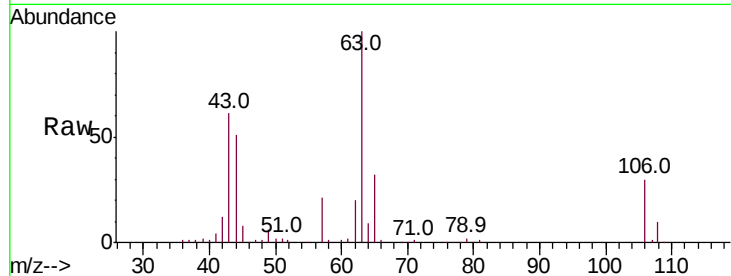
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	159964
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3
106	29.1	23.0	34.4

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#56

Bromoform

Concen: 18.598 ug/l

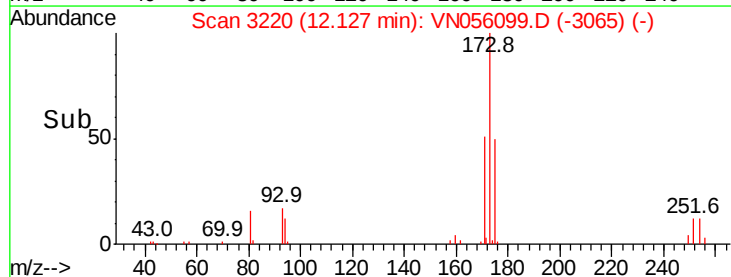
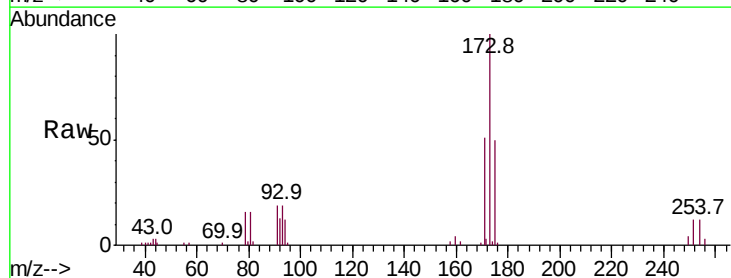
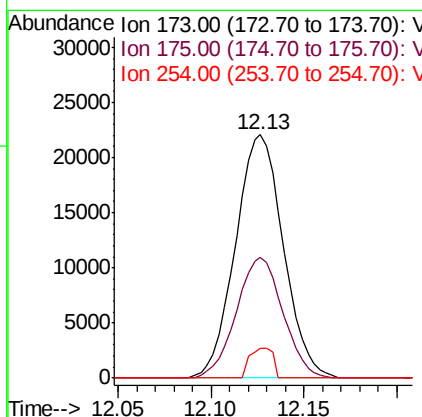
RT: 12.13 min Scan# 3220

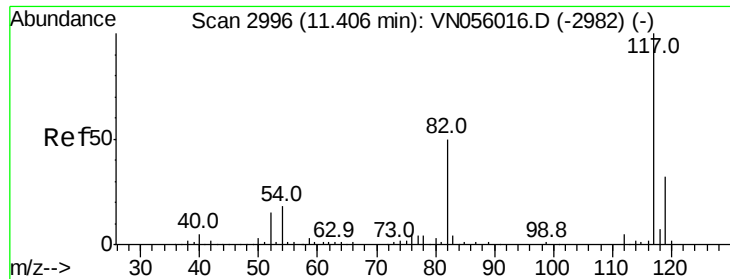
Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Tgt Ion:	173	Resp:	39458
Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.7	58.1
254	5.9	6.6	9.8#





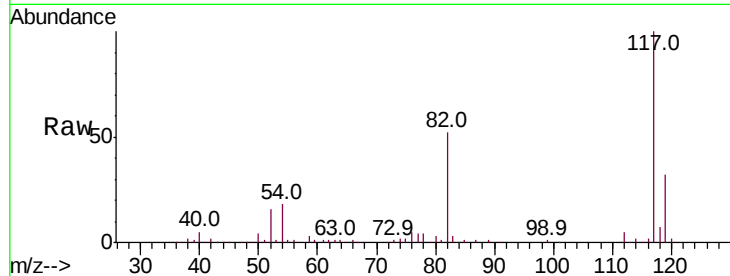
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

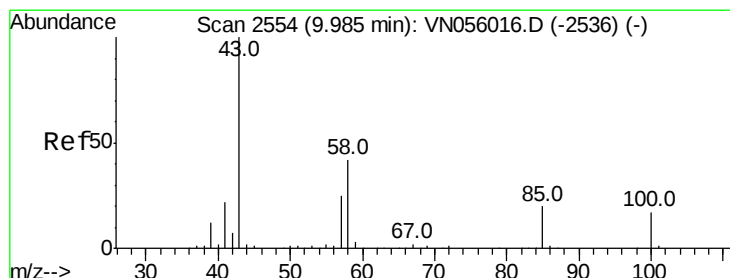
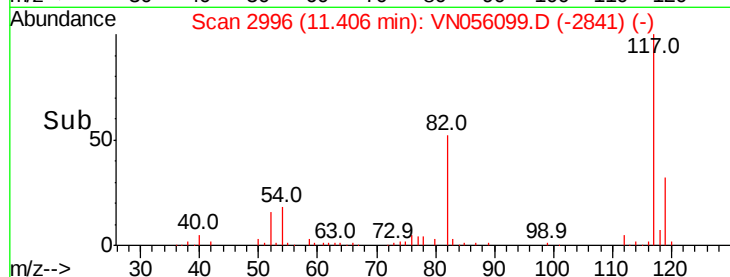
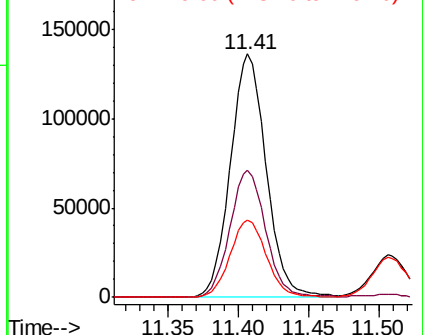
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.2	61.8
119	32.4	26.2	39.2

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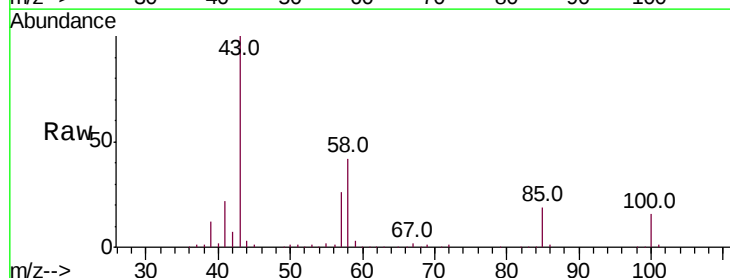


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

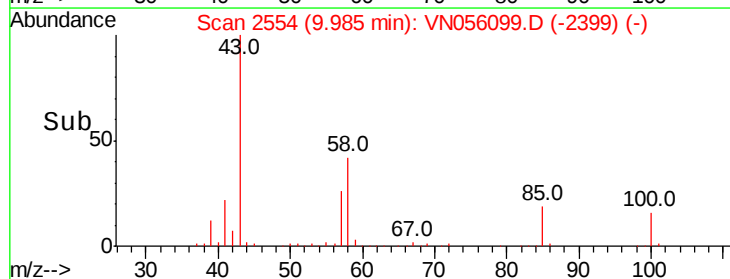
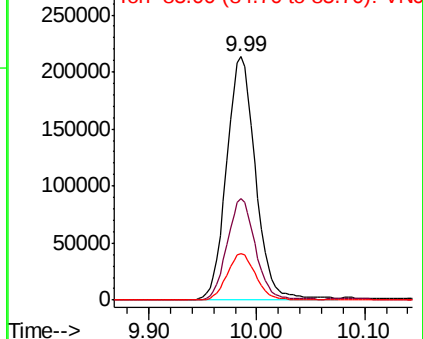


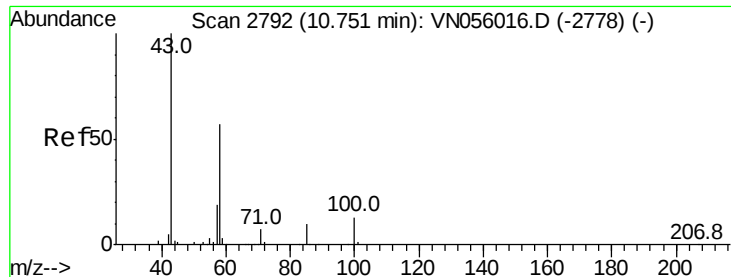
#58
4-Methyl-2-Pentanone
Concen: 108.784 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.9	33.1	49.7
85	19.0	15.5	23.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





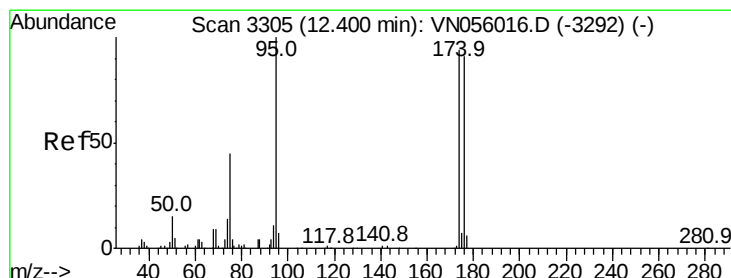
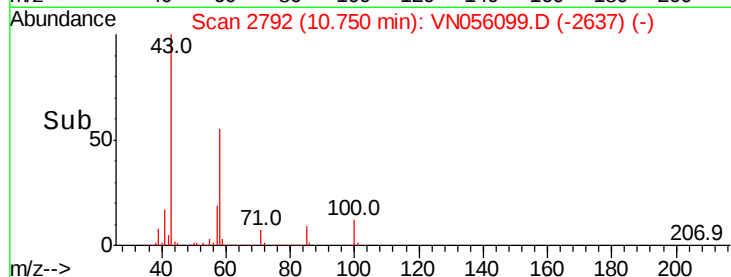
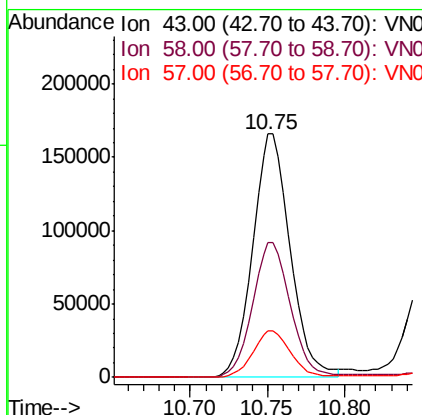
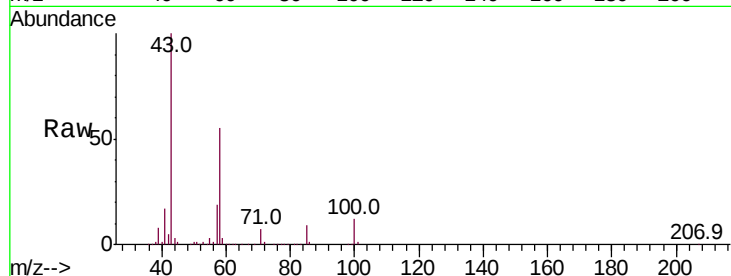
#59
2-Hexanone
Concen: 106.170 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.3	67.9
57	19.4	15.6	23.4

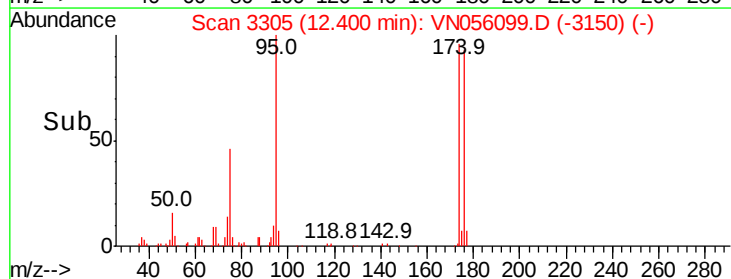
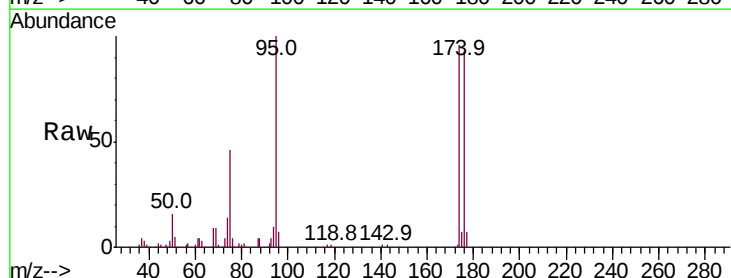
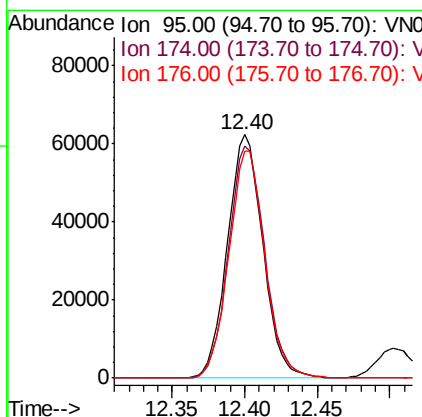
Manual Integrations
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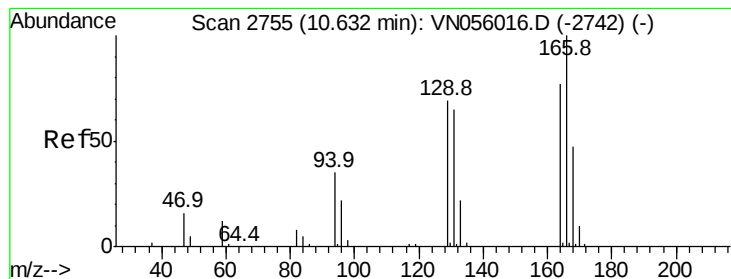
MMDadoda
6/10/2019 11:26:50 AM



#60
4-Bromofluorobenzene
Concen: 29.412 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.3	75.4	113.0
176	94.3	73.9	110.9





#61

Tetrachloroethene

Concen: 21.734 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 73572

Ion Ratio Lower Upper

164 100

166 126.8 104.3 156.5

129 85.4 71.5 107.3

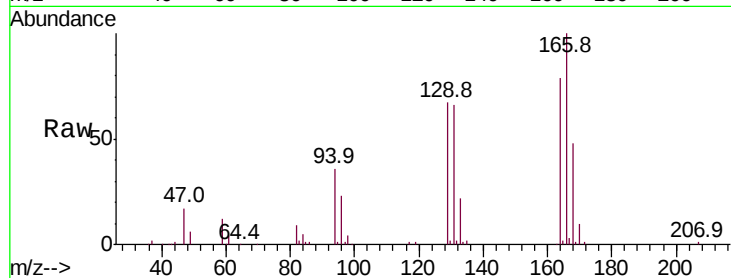
131 84.1 67.7 101.5

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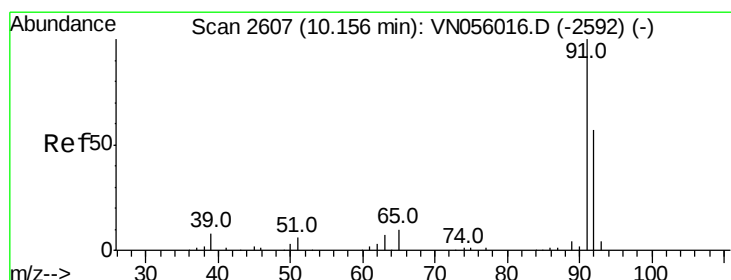
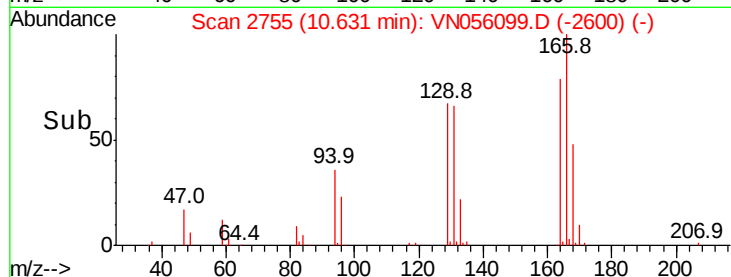
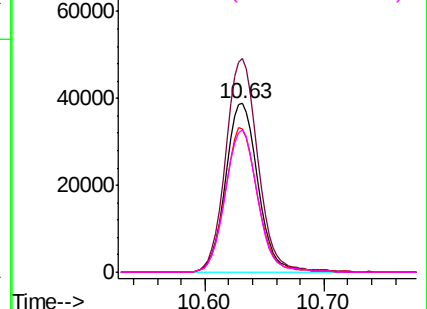


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.233 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056099.D

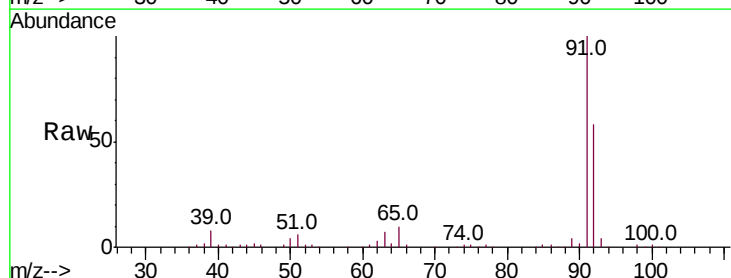
Acq: 7 Jun 2019 14:56

Tgt Ion: 91 Resp: 278414

Ion Ratio Lower Upper

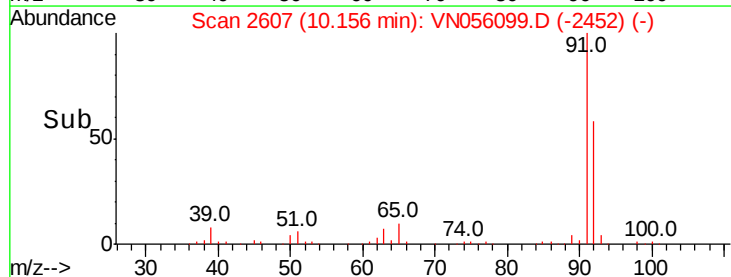
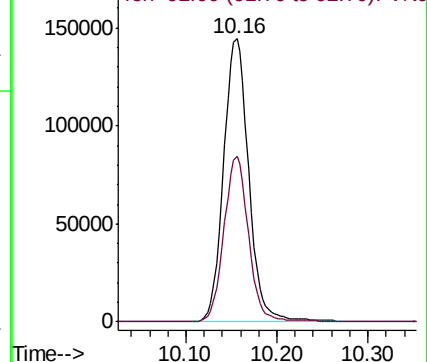
91 100

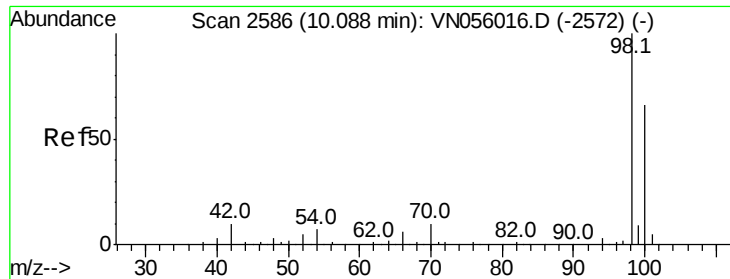
92 57.4 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





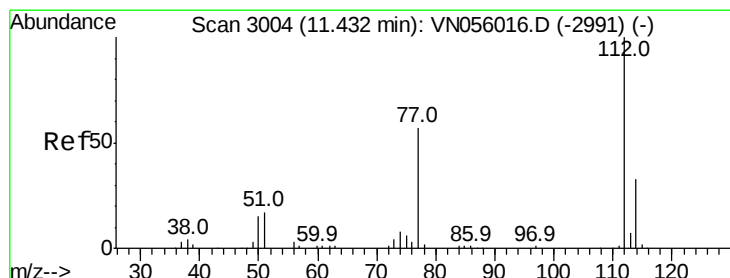
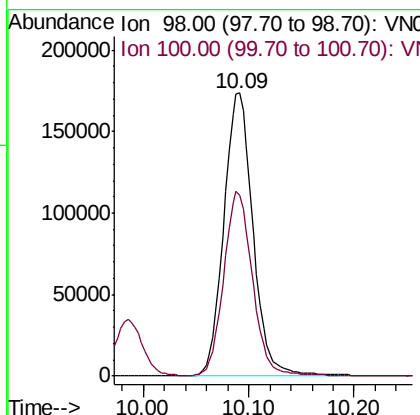
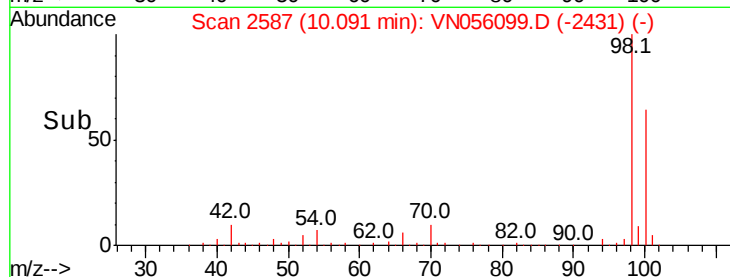
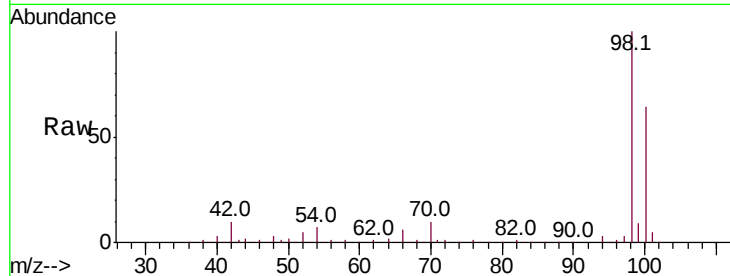
#63
Toluene-d8
Concen: 30.170 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 332416
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4

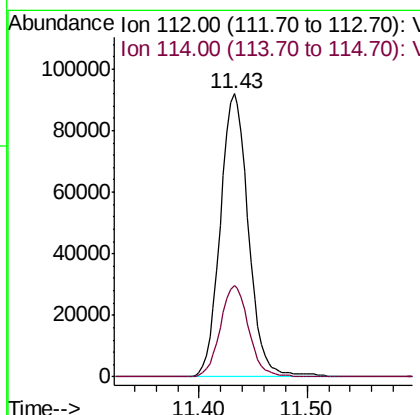
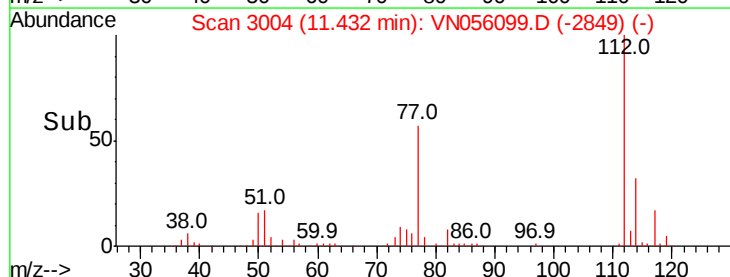
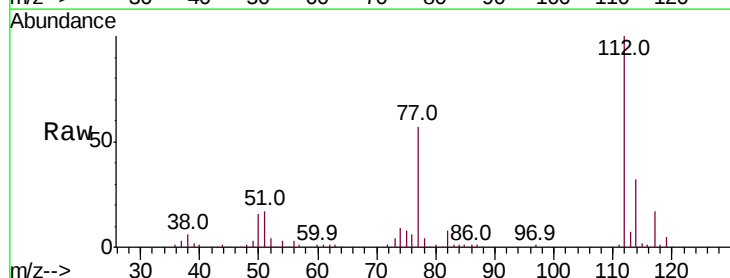
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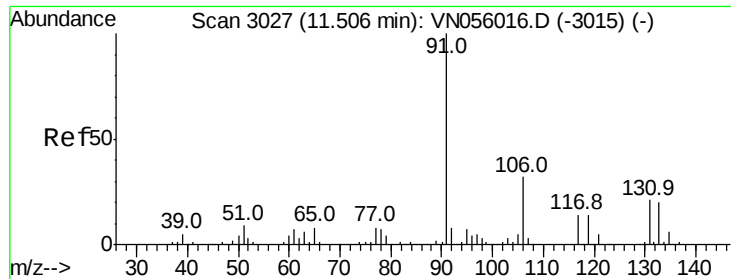
MMDadoda
6/10/2019 11:26:50 AM



#64
Chlorobenzene
Concen: 21.007 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion: 112 Resp: 167077
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 20.387 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

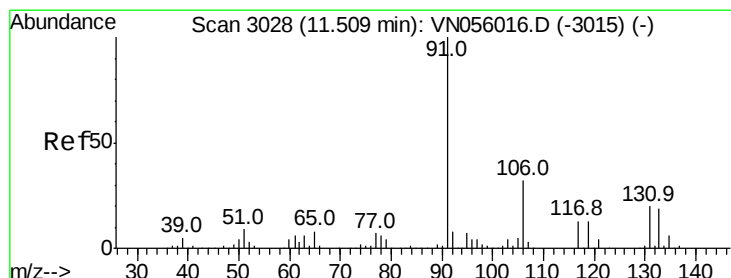
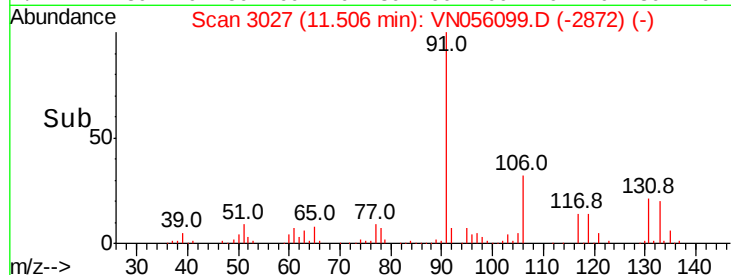
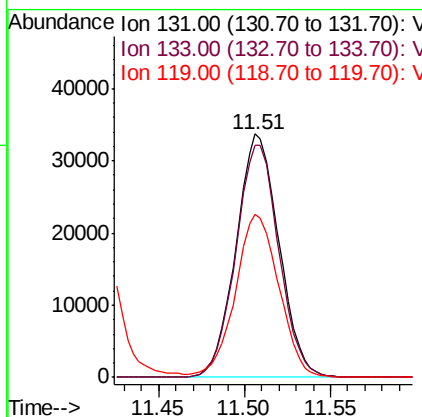
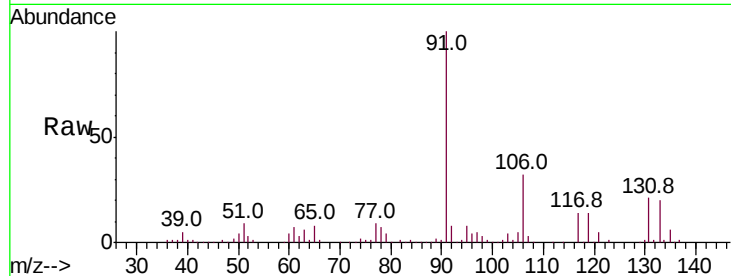
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	58469
Ion	Ratio	Lower	Upper
131	100		
133	95.9	0.0	193.8
119	67.8	0.0	134.4

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#66

Ethyl Benzene

Concen: 21.058 ug/l

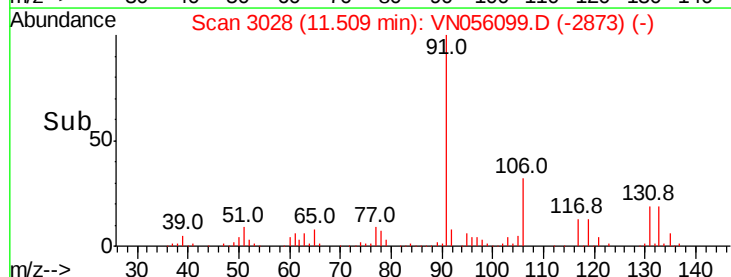
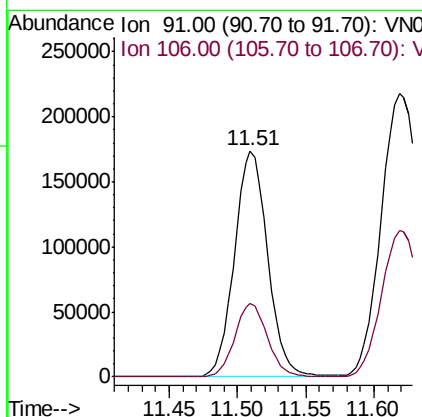
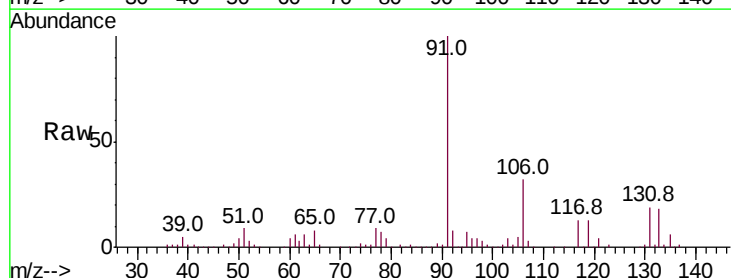
RT: 11.51 min Scan# 3028

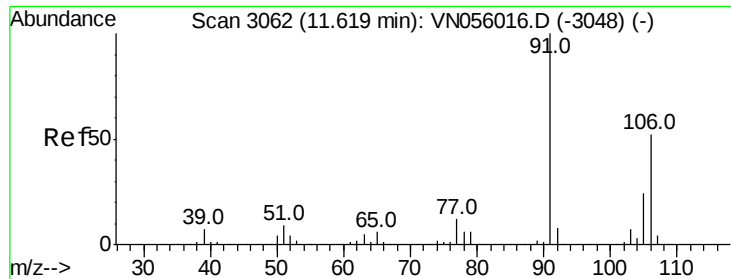
Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Tgt Ion:	91	Resp:	294090
Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.7	38.5





#67

m/p-Xylenes

Concen: 42.183 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 225491

Ion Ratio Lower Upper

106 100

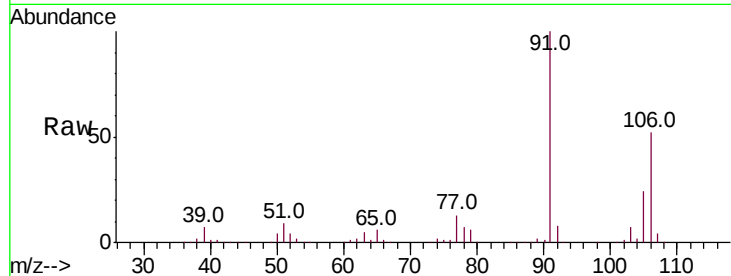
91 195.9 155.7 233.5

Manual Integrations

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6/10/2019 11:26:50 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

250000

200000

150000

100000

50000

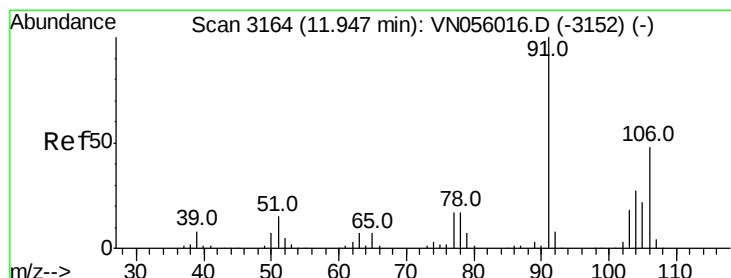
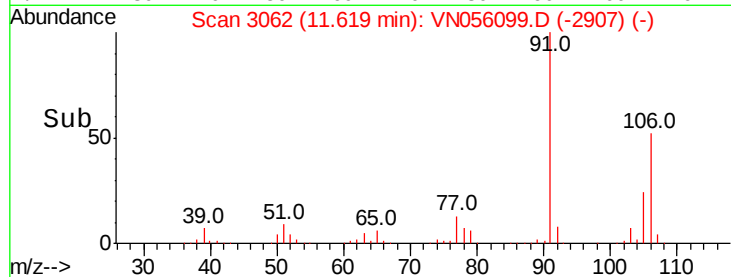
0

11.62

11.60

11.70

Time-->



#68

o-Xylene

Concen: 21.277 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN056099.D

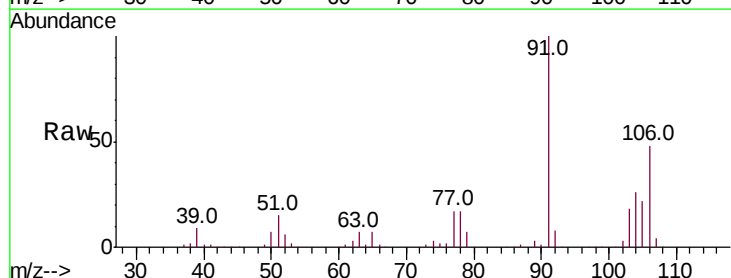
Acq: 7 Jun 2019 14:56

Tgt Ion:106 Resp: 111346

Ion Ratio Lower Upper

106 100

91 208.2 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

150000

100000

50000

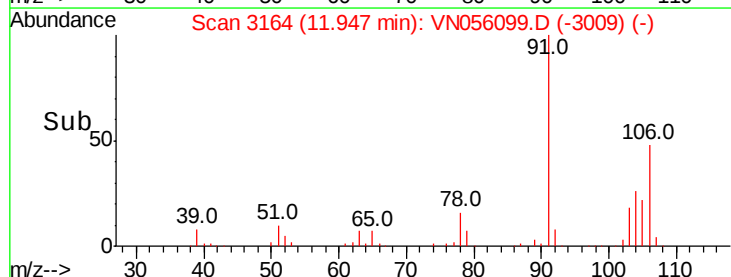
0

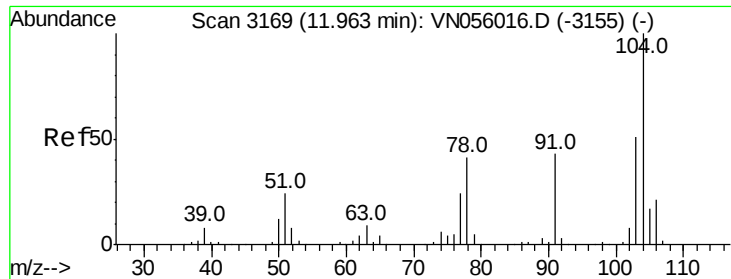
11.95

11.90

12.00

Time-->





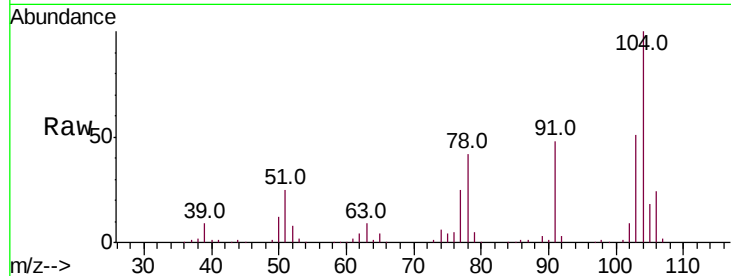
#69
Stvrene
Concen: 20.583 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

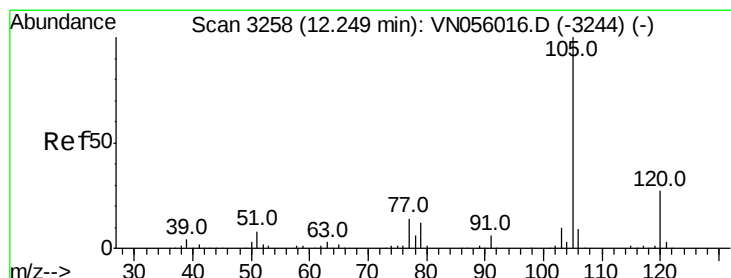
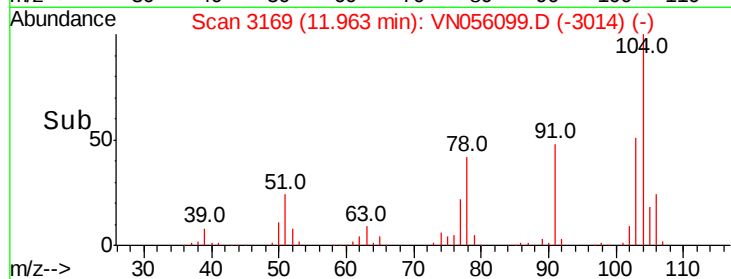
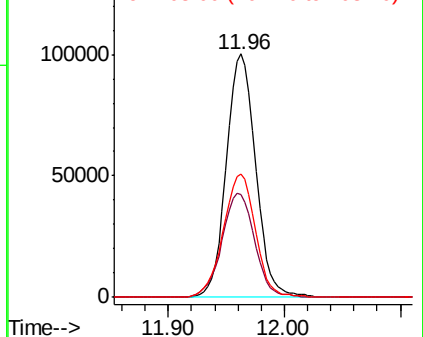
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.0	55.6
103	55.6	44.4	66.6

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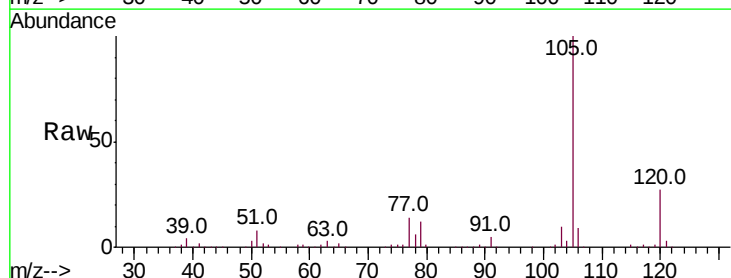


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

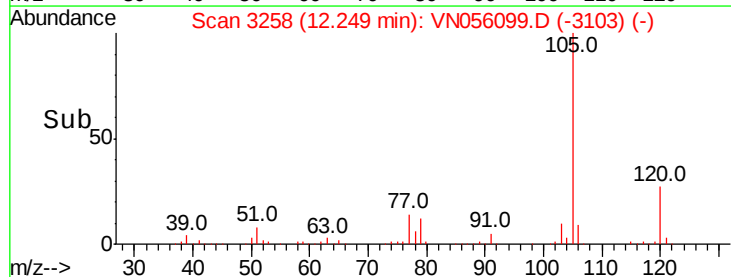
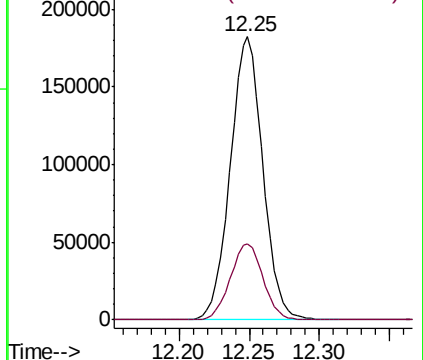


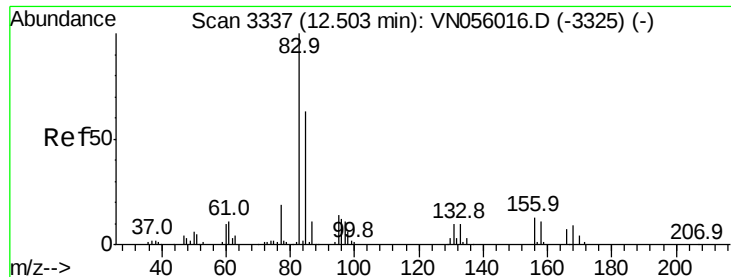
#70
Isopropylbenzene
Concen: 21.482 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.3	35.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





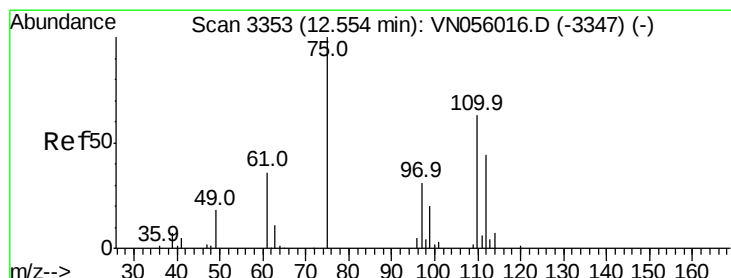
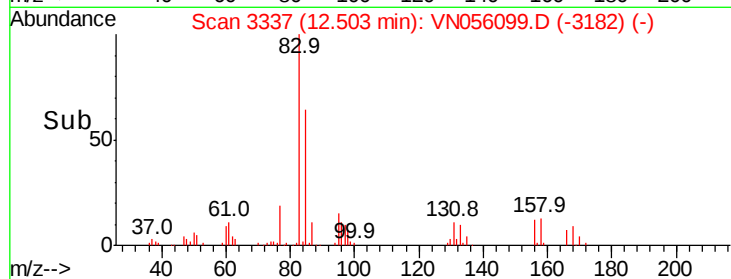
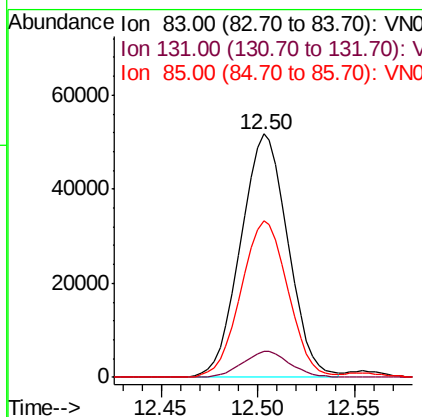
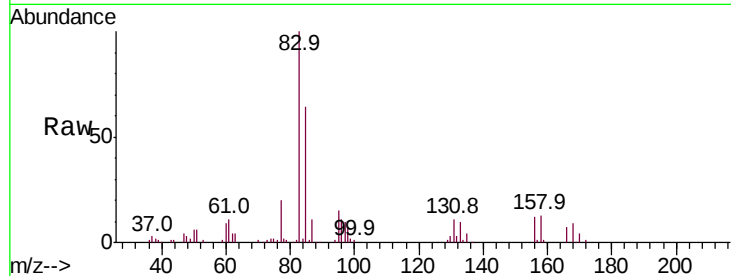
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.414 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	63.9	31.6	94.7

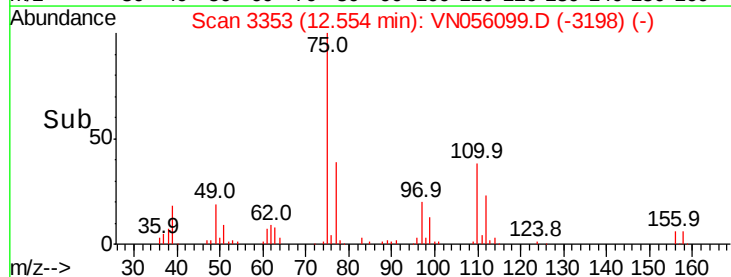
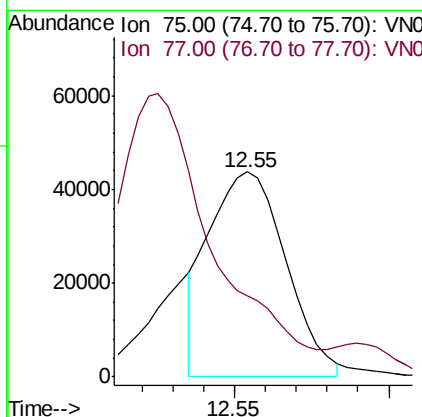
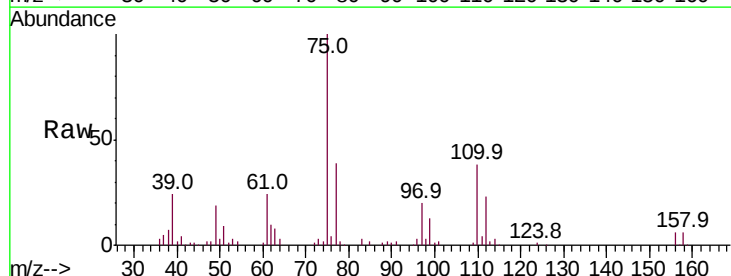
Manual Integrations
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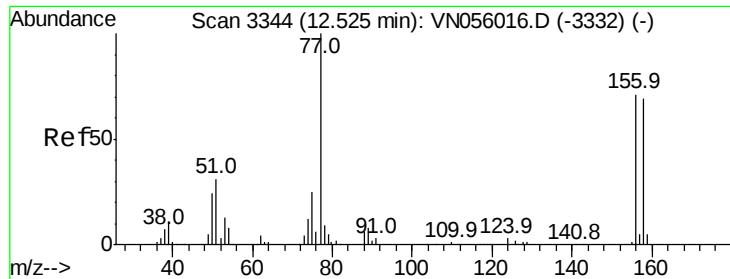
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#72
 1,2,3-Trichloropropane
 Concen: 21.337 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	176.3	0.0	350.0





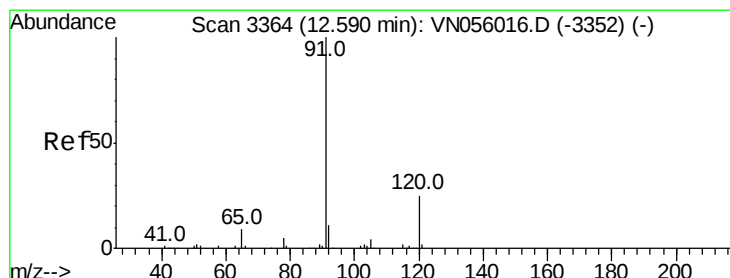
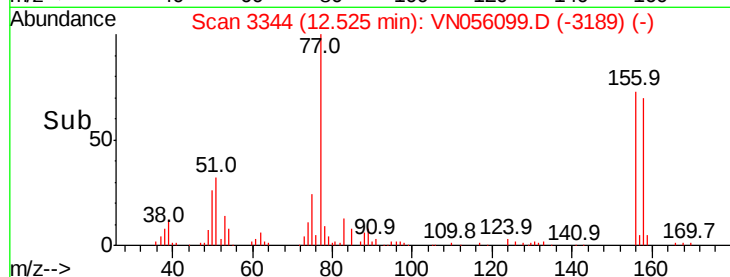
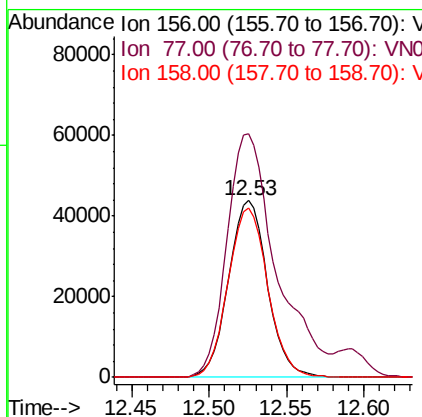
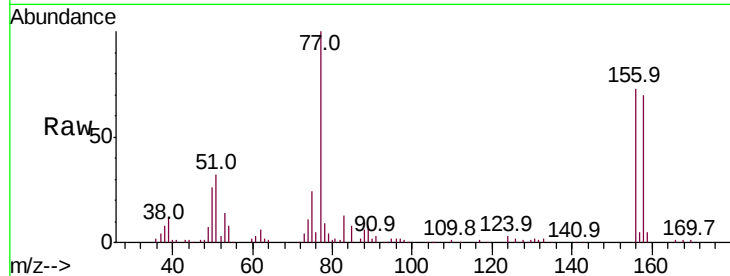
#73
Bromobenzene
Concen: 21.096 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.4	0.0	350.8
158	97.9	0.0	193.2

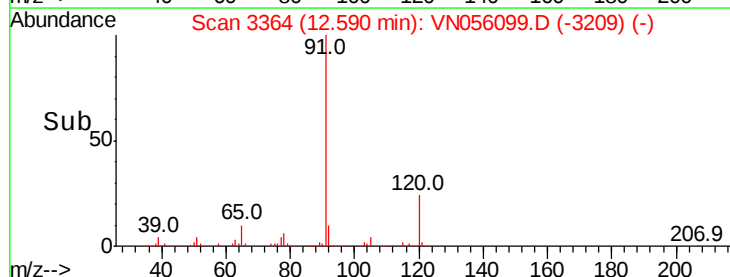
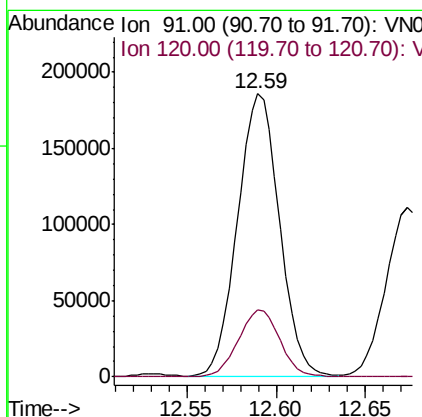
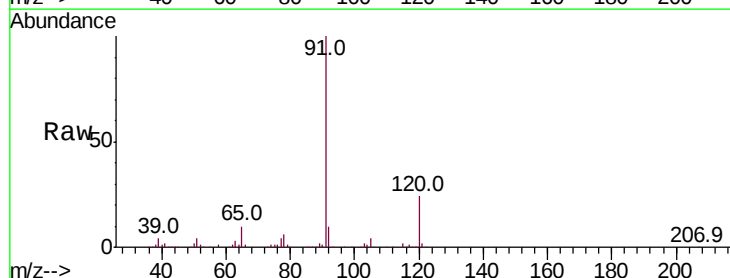
Manual Integrations
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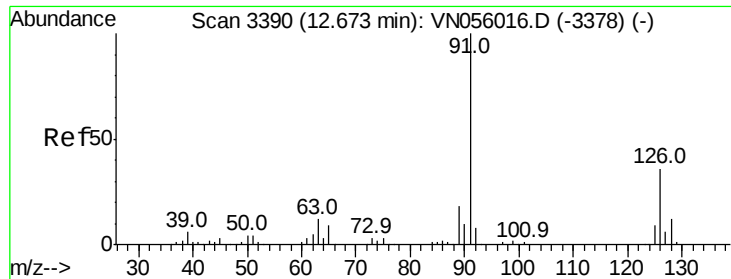
MMDadoda
6/10/2019 11:26:50 AM



#74
n-propylbenzene
Concen: 21.214 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	0.0	48.6





#75

2-Chlorotoluene

Concen: 21.216 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 189881

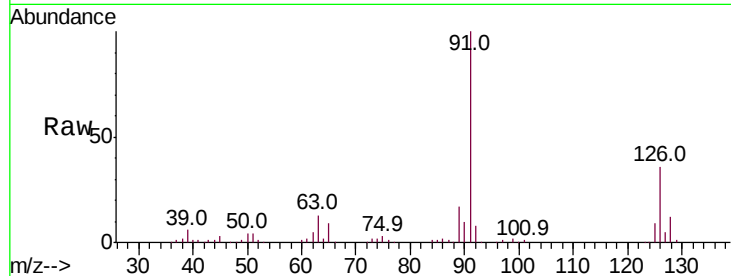
Ion Ratio Lower Upper

91 100

126 36.0 0.0 72.4

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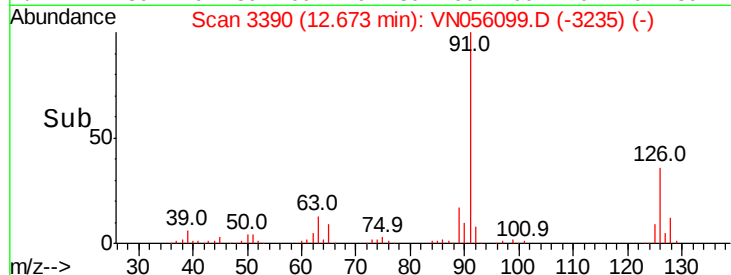
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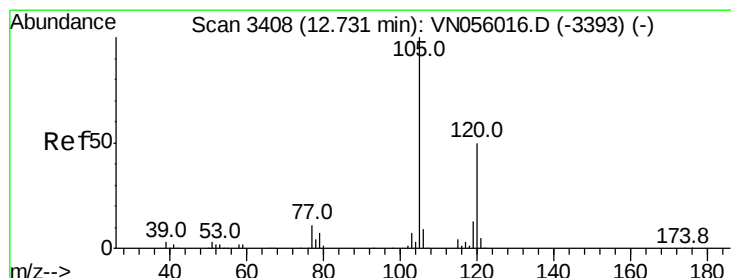
Abundance Ion 91.00 (90.70 to 91.70): VN056099.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN056099.D (-3235) (-)

Time-->



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 21.229 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056099.D

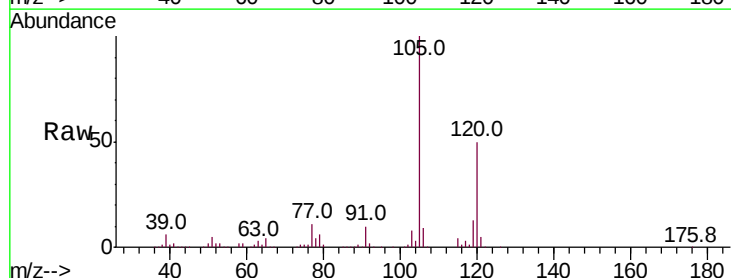
Acq: 7 Jun 2019 14:56

Tgt Ion: 105 Resp: 238759

Ion Ratio Lower Upper

105 100

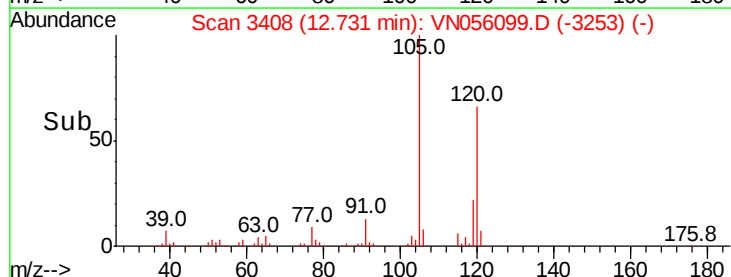
120 49.3 0.0 100.6



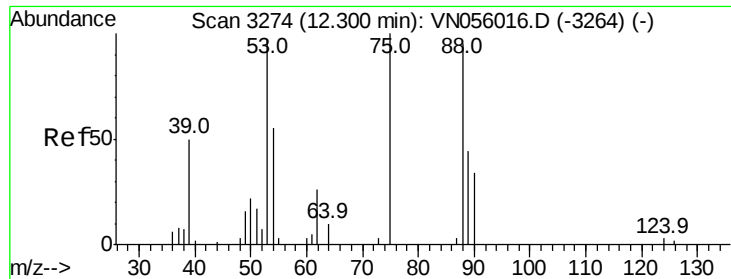
Abundance Ion 105.00 (104.70 to 105.70): VN056099.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN056099.D (-3253) (-)

Time-->



Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 17.481 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

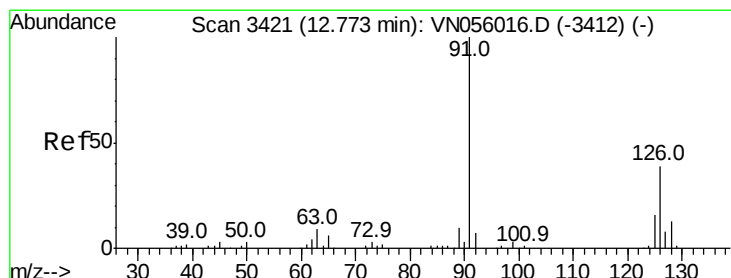
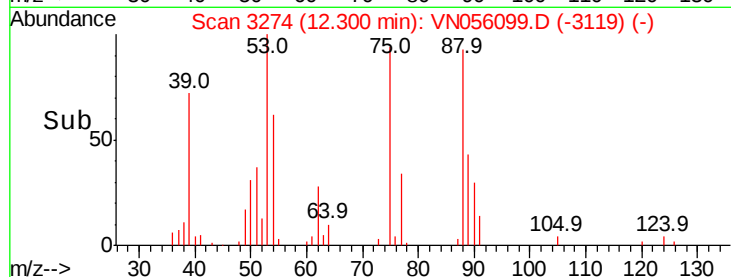
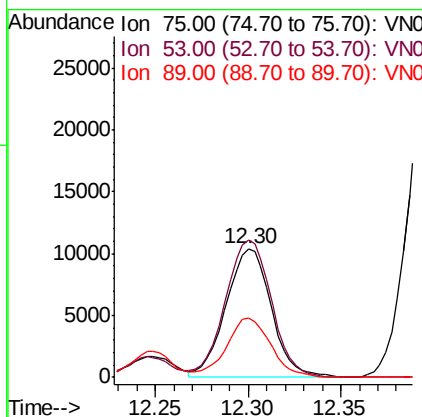
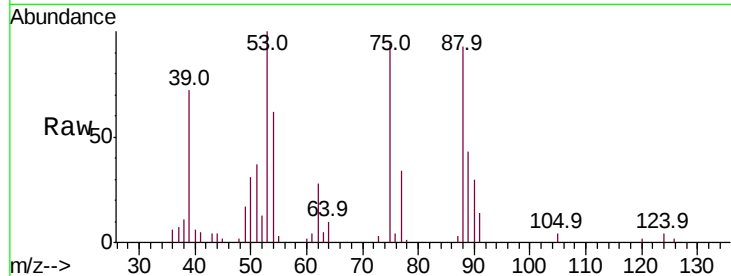
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	17801
Ion	Ratio	Lower	Upper
75	100		
53	106.3	48.0	144.0
89	45.6	22.5	67.5

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#78

4-Chlorotoluene

Concen: 20.553 ug/l

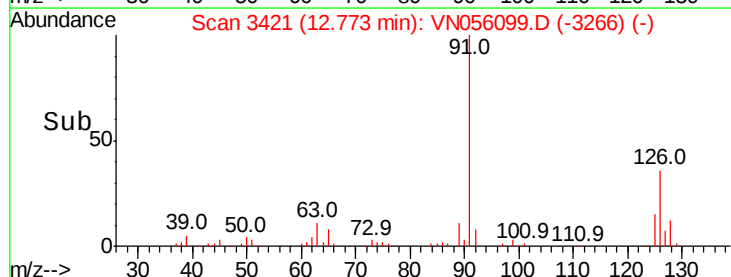
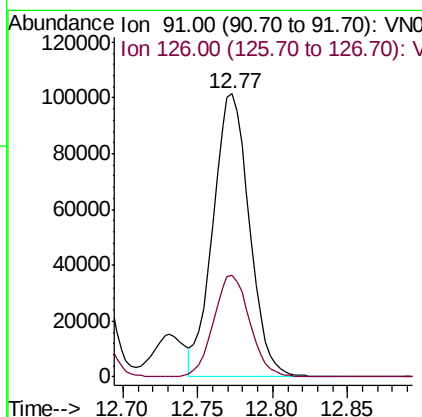
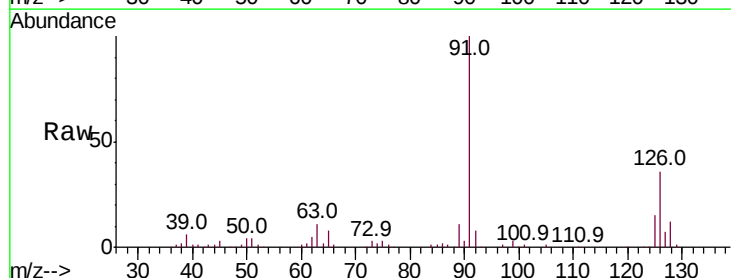
RT: 12.77 min Scan# 3421

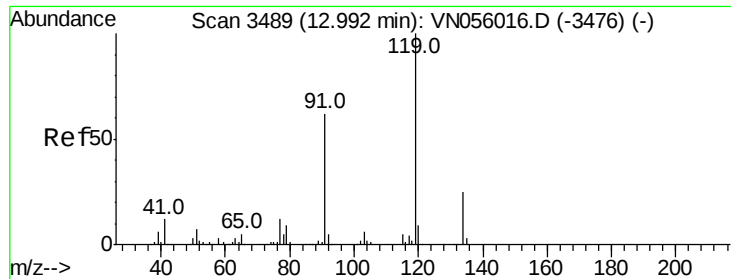
Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Tgt Ion:	91	Resp:	171790
Ion	Ratio	Lower	Upper
91	100		
126	35.8	0.0	71.8





#79

tert-butylbenzene

Concen: 21.435 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Instrument :

MSVOA_N

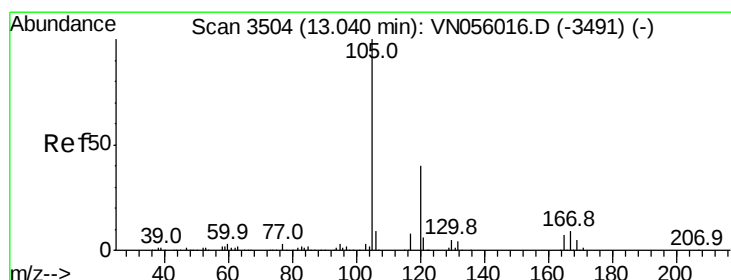
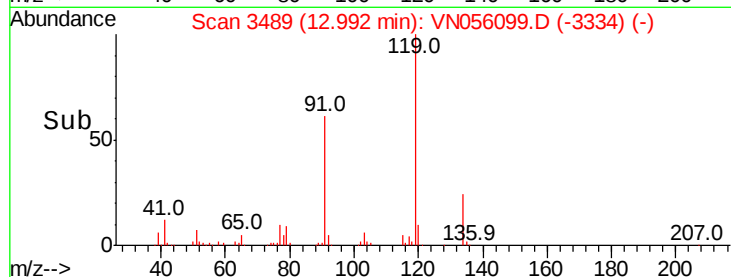
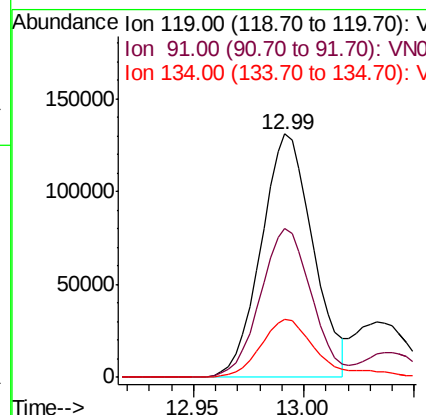
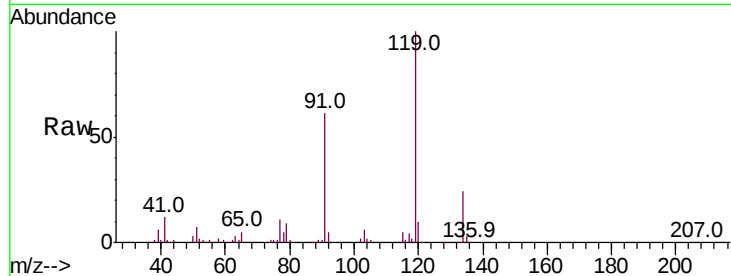
ClientSampled :

VSTDCCC020EC

Tot Ion:	119	Resp:	213591
Ion Ratio	Lower	Upper	
119	100		
91	60.6	0.0	122.8
134	24.1	0.0	50.2

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 20.937 ug/l

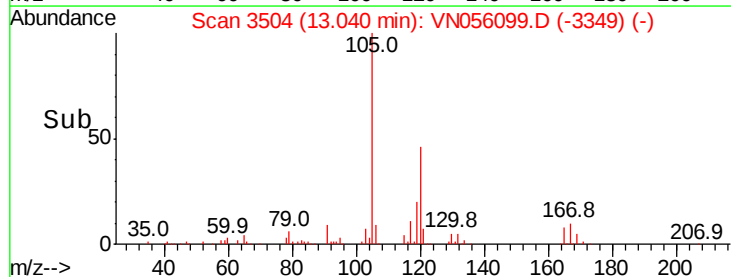
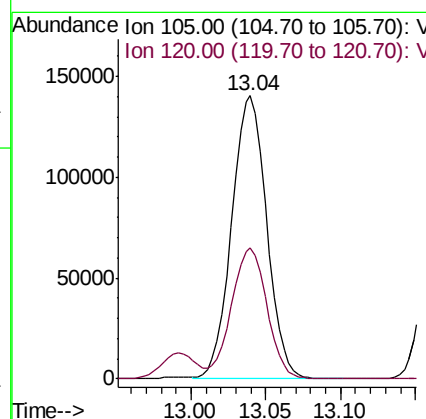
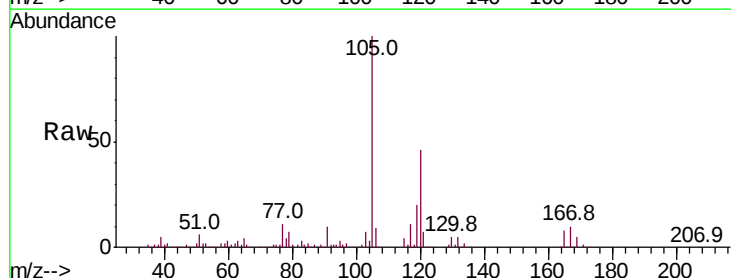
RT: 13.04 min Scan# 3504

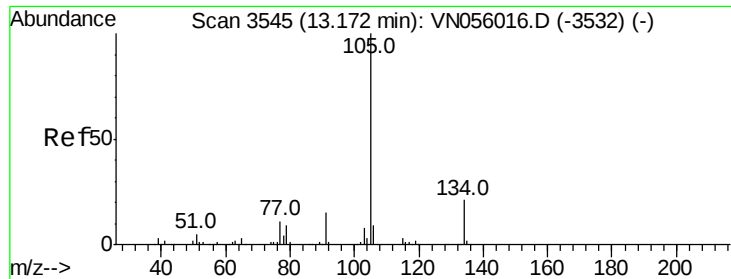
Delta R.T. -0.00 min

Lab File: VN056099.D

Acq: 7 Jun 2019 14:56

Tgt Ion:	105	Resp:	229070
Ion Ratio	Lower	Upper	
105	100		
120	46.8	0.0	93.4





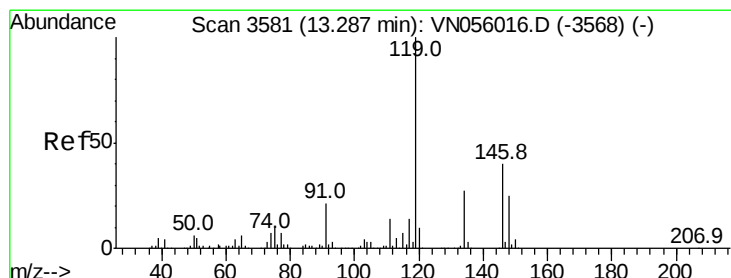
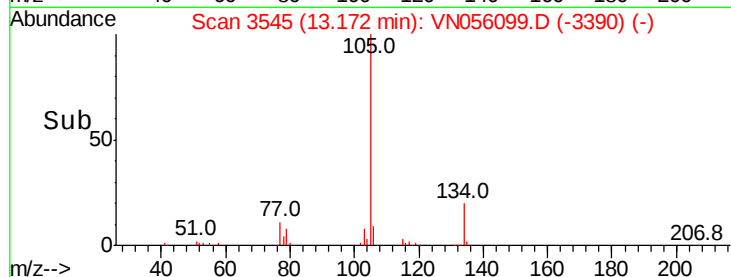
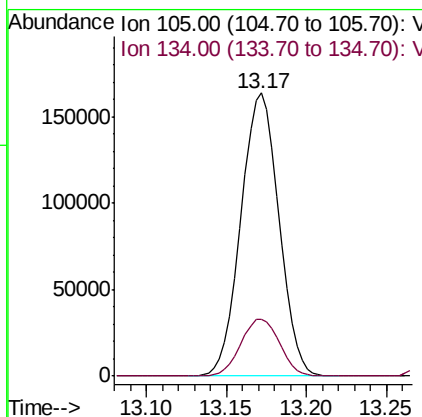
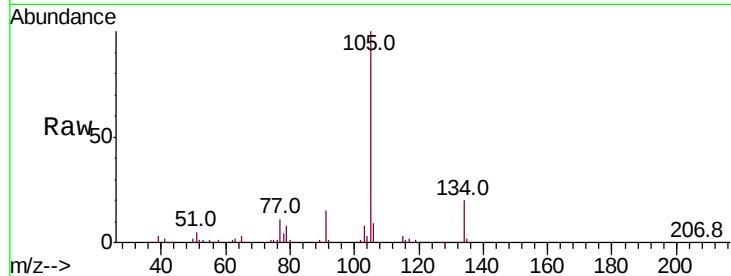
#81
 sec-Butylbenzene
 Concen: 21.107 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	266065		
134	20.8	0.0	41.8	

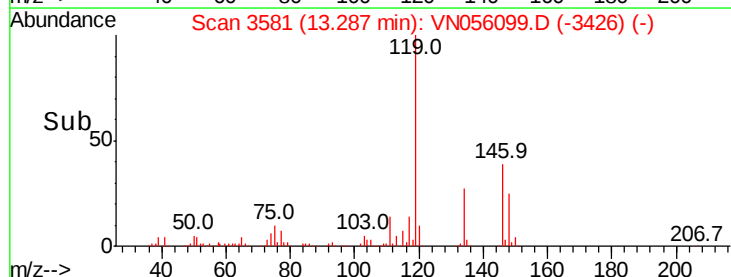
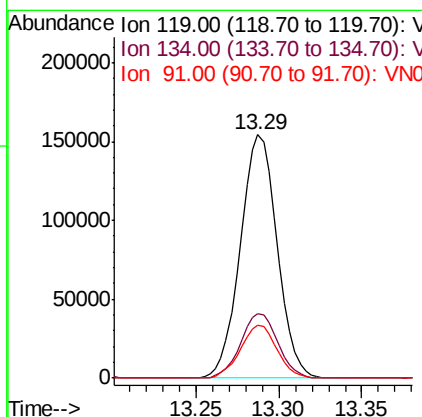
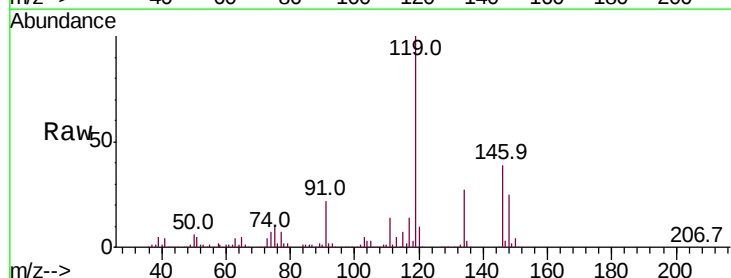
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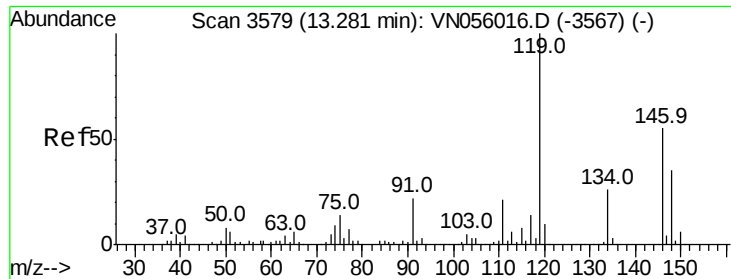
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#82
 p-Isopropyltoluene
 Concen: 20.937 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	238615		
134	26.8	0.0	53.4	
91	21.6	0.0	43.0	





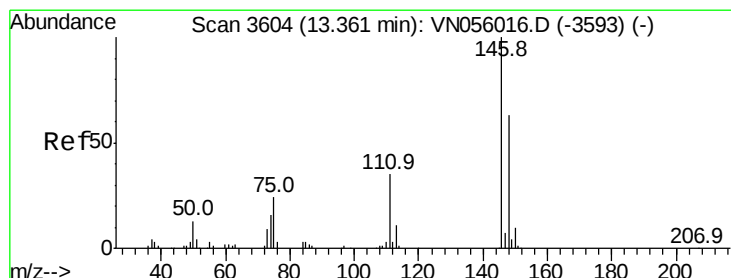
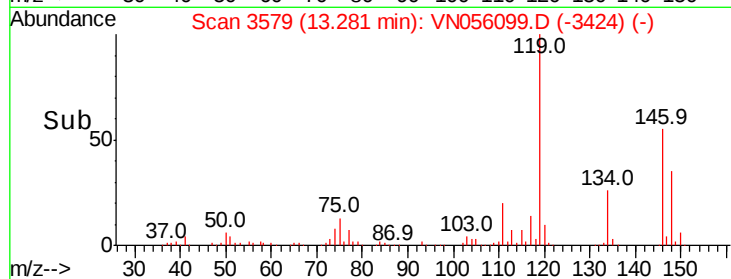
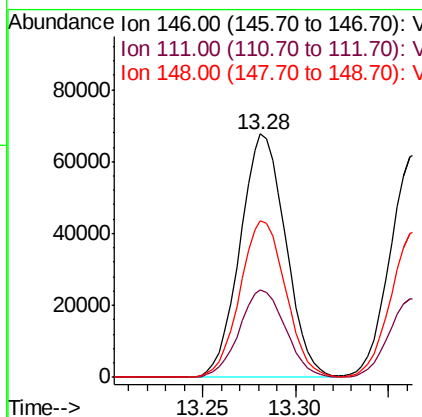
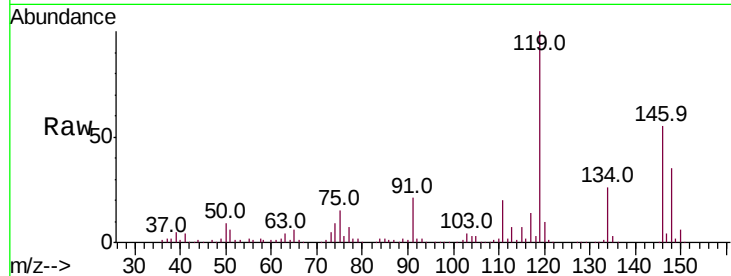
#83
 1,3-Dichlorobenzene
 Concen: 20.412 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.2	54.6
148	64.4	31.9	95.9

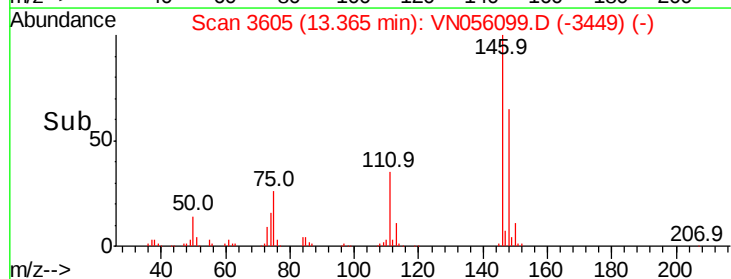
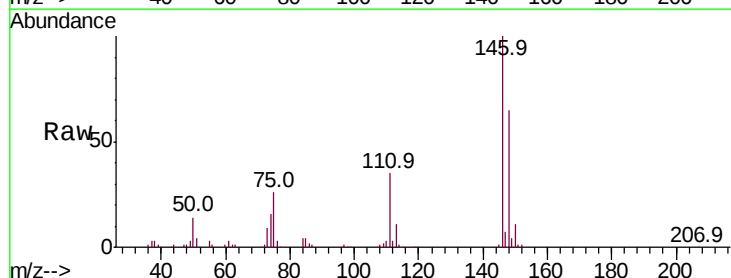
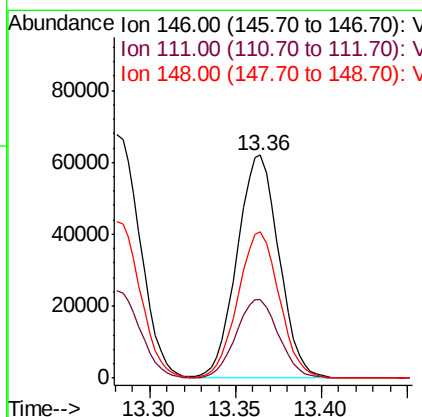
Manual Integrations
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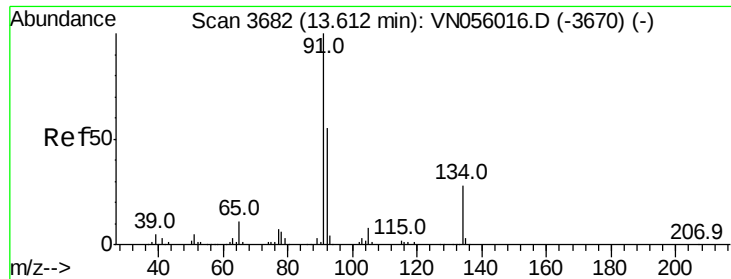
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#84
 1,4-Dichlorobenzene
 Concen: 19.505 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.6	52.9
148	64.9	32.1	96.3





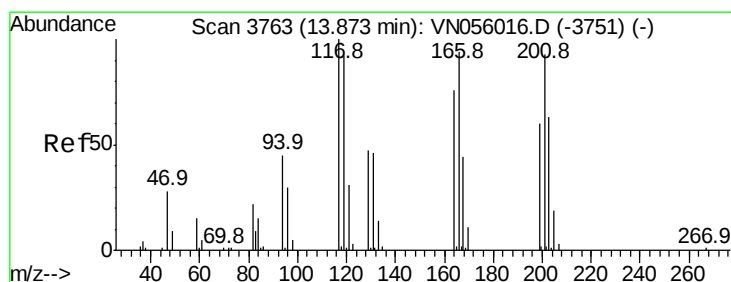
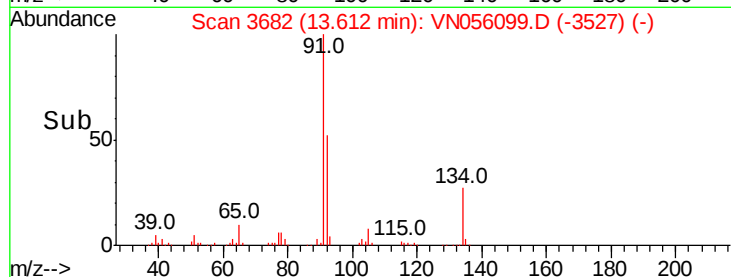
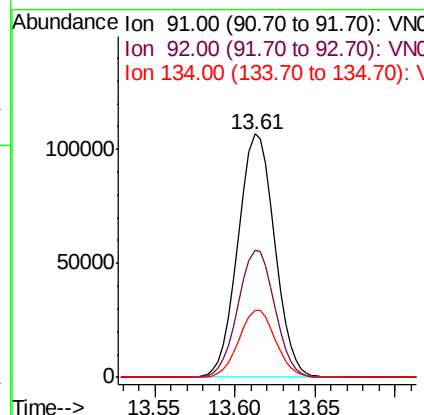
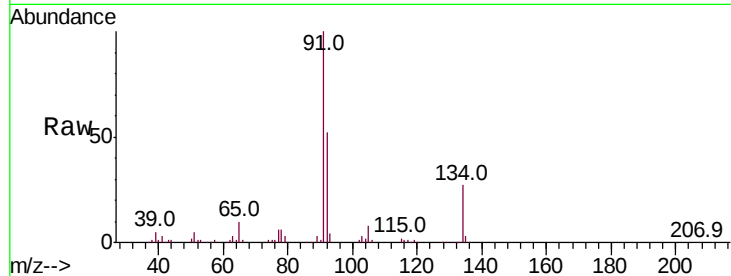
#85
n-Butylbenzene
Concen: 19.655 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	167185		
92	52.4	0.0	107.2	
134	27.4	0.0	55.8	

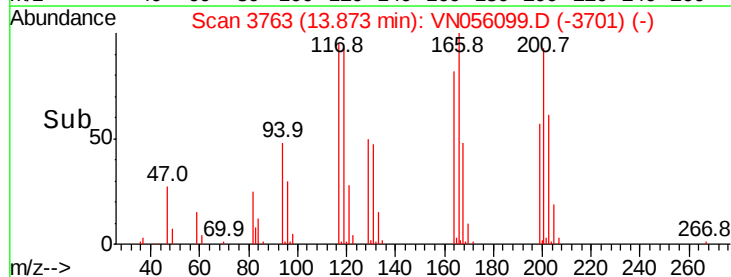
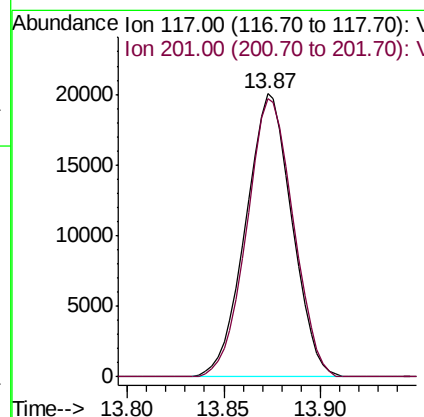
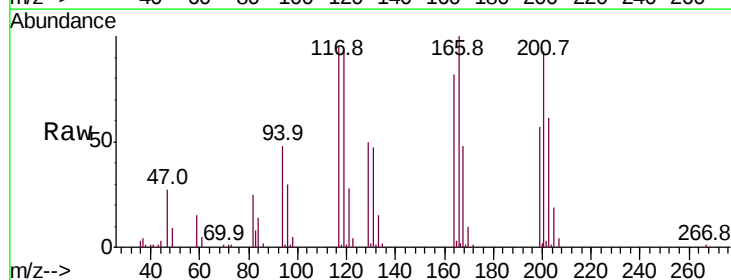
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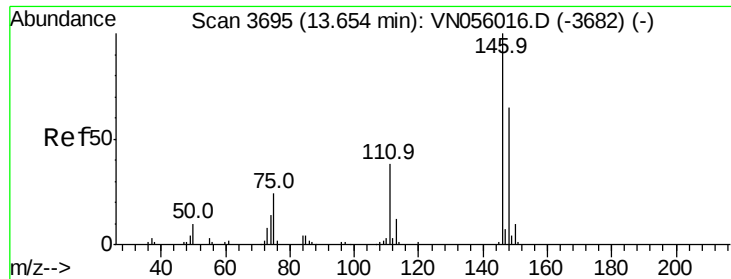
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#86
Hexachloroethane
Concen: 18.792 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33388		
201	98.7	48.1	144.4	





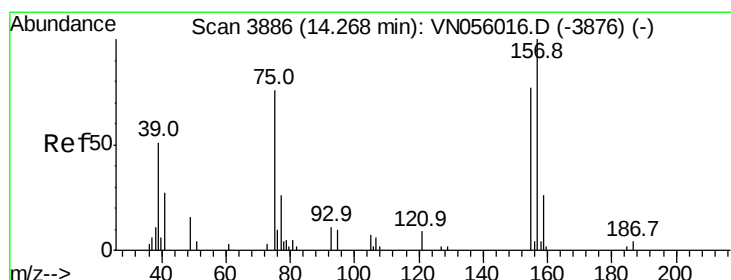
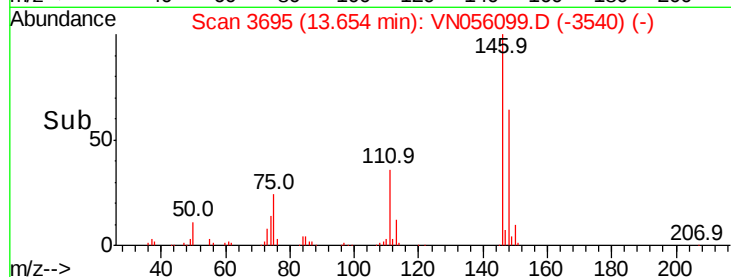
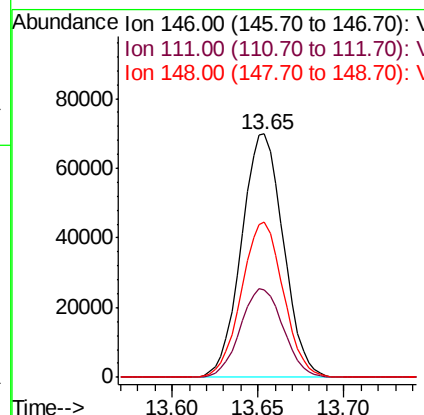
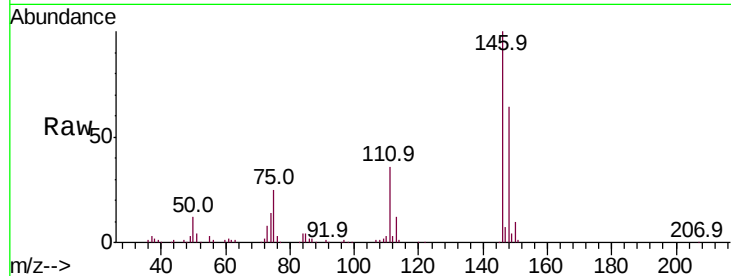
#87
 1,2-Dichlorobenzene
 Concen: 20.618 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.3	57.9
148	63.4	32.6	97.8

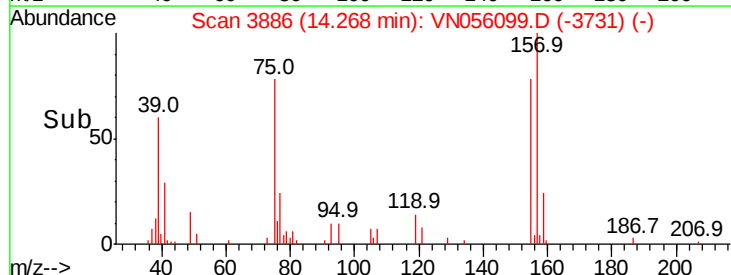
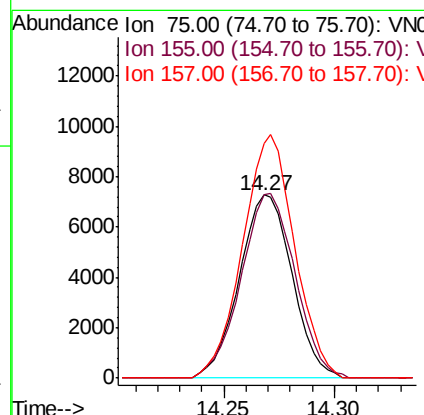
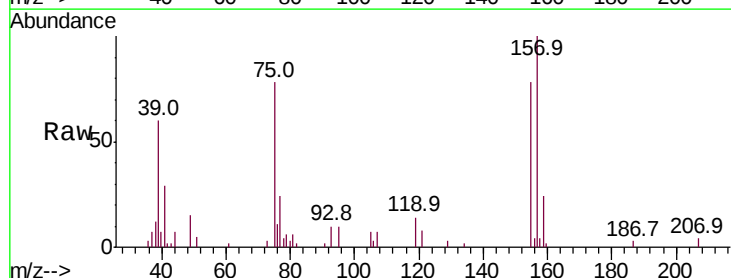
Manual Integrations
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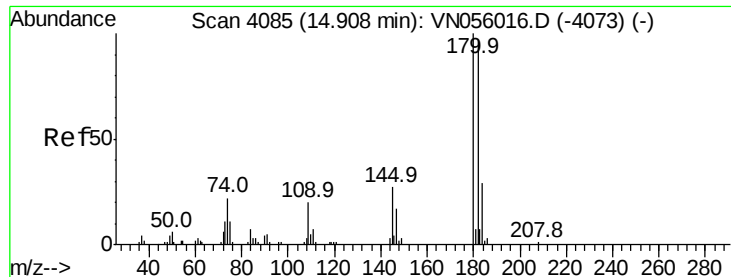
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.770 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	82.5	123.7
157	130.2	105.1	157.7





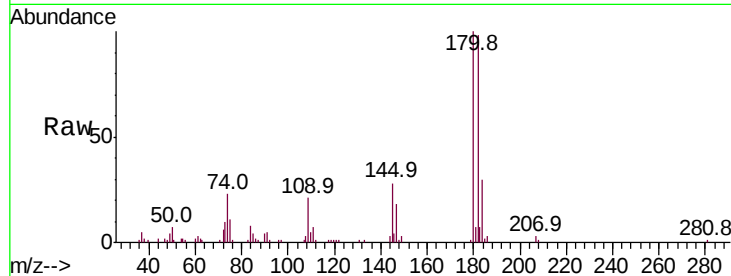
#89
 1,2,4-Trichlorobenzene
 Concen: 20.773 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.0	112.6
145	27.7	22.1	33.1

Manual Integrations
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 6/10/2019 11:26:50 AM

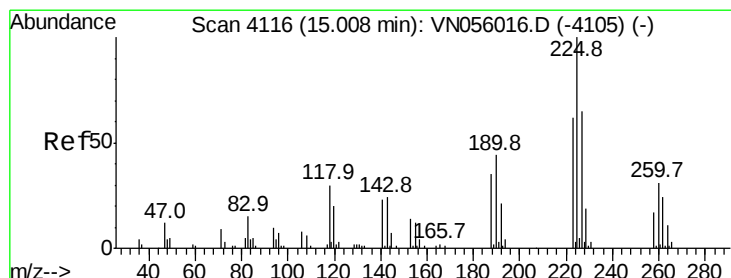
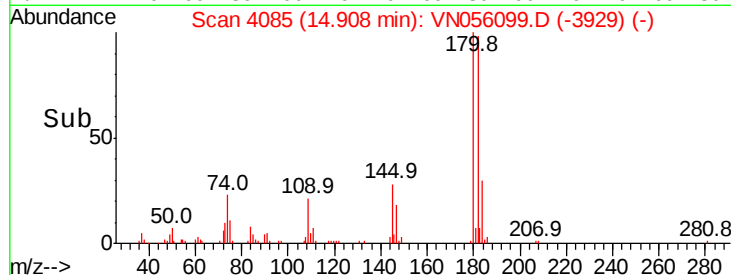
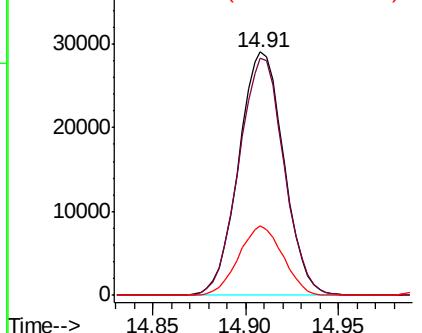


Abundance

Ion 180.00 (179.70 to 180.70): V

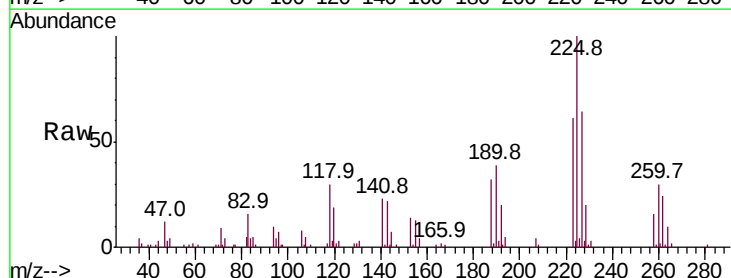
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 21.285 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056099.D
 Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	125.6
227	63.5	0.0	128.6

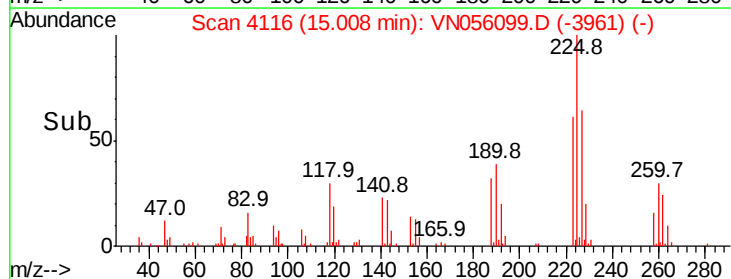
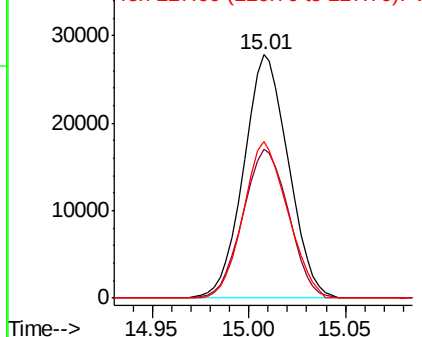


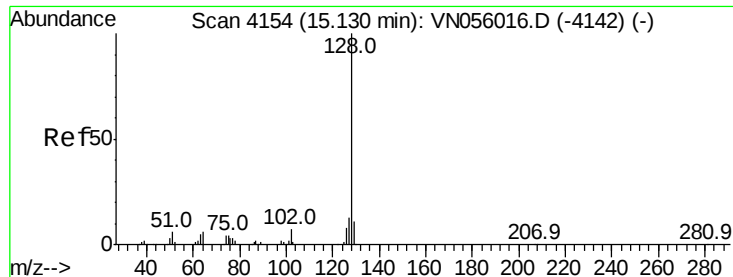
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





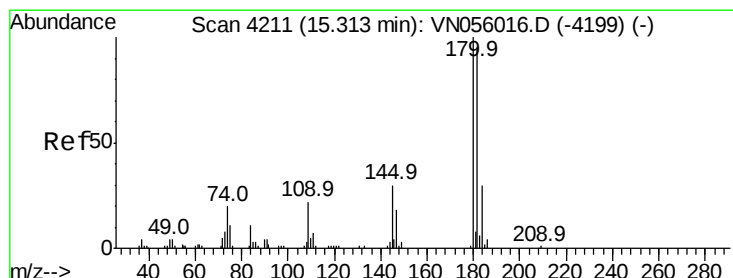
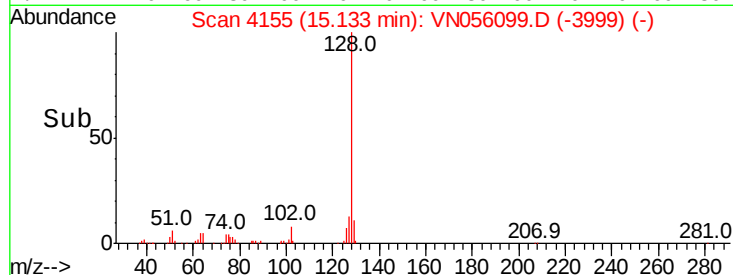
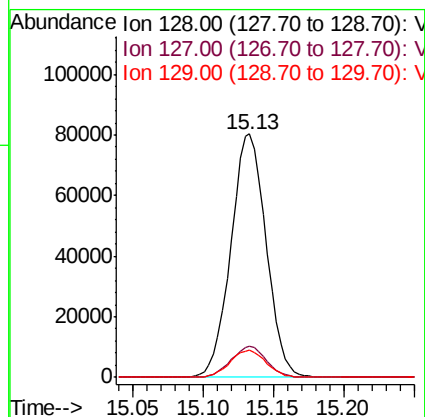
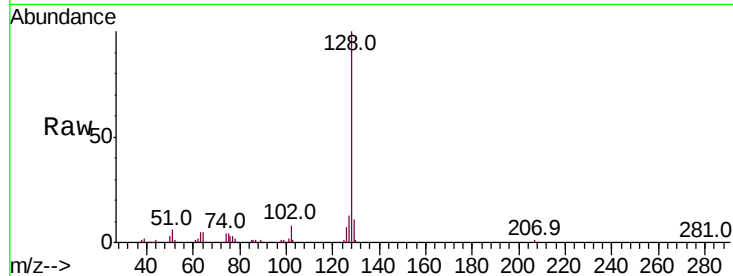
#91
Naphthalene
Concen: 18.430 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/10/2019 11:26:50 AM



#92
1,2,3-Trichlorobenzene
Concen: 19.328 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056099.D
Acq: 7 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	193.4
145	29.7	0.0	59.8

