

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056029.D
 Acq On : 6 Jun 2019 1:33
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:04:47 AM

Quant Time: Jun 06 04:53:08 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	53342	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	287976	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	252398	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	99842	30.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.47%
60) 4-Bromofluorobenzene	12.40	95	109185	29.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.30%
63) Toluene-d8	10.09	98	348166	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	64349	21.448	ug/l 99
3) Chloromethane	2.06	50	73074	20.846	ug/l 99
4) Vinyl Chloride	2.18	62	74434	20.827	ug/l 97
5) Bromomethane	2.53	94	48683	21.675	ug/l 99
6) Chloroethane	2.68	64	44391	21.959	ug/l 95
7) Trichlorofluoromethane	3.00	101	89568	20.255	ug/l 99
8) Diethyl Ether	3.40	74	37328	19.904	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55776	20.434	ug/l 97
10) 1,1-Dichloroethene	3.72	96	55696	20.003	ug/l 97
11) Methyl Iodide	3.94	142	78591	17.890	ug/l 99
12) Methyl Acetate	4.33	43	66958	20.012	ug/l 100
13) Acrolein	3.60	56	16206	99.371	ug/l 99
14) Acrylonitrile	4.99	53	150263	100.703	ug/l 99
15) Acetone	3.82	58	41835	85.627	ug/l 93
16) Carbon Disulfide	4.04	76	125402	18.928	ug/l 99
17) Allyl chloride	4.31	41	84674	19.627	ug/l 99
18) Methylene Chloride	4.54	84	66145	20.519	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	60285	20.283	ug/l 98
20) Diisopropyl ether	5.96	45	182568	20.425	ug/l 96
21) 1,1-Dichloroethane	5.84	63	105613	20.331	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	70767	20.400	ug/l 97
23) tert-Butyl Alcohol	4.82	59	55097	94.864	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	180845	20.380	ug/l 100
25) Chloroform	7.37	83	106732	20.577	ug/l 99
26) Cyclohexane	7.65	56	96672	20.059	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	79664	20.451	ug/l 100
30) 2-Butanone	6.84	43	196528	95.834	ug/l 99
31) 2,2-Dichloropropane	6.82	77	57569	15.886	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	86599	20.122	ug/l 99
33) Carbon Tetrachloride	7.77	117	70726	19.397	ug/l 97
34) Benzene	8.04	78	254155	20.477	ug/l 98
35) Methacrylonitrile	7.18	41	40224	23.228	ug/l 98
36) 1,2-Dichloroethane	8.12	62	80797	20.783	ug/l 99
37) Trichloroethene	8.83	130	70008	20.157	ug/l 95
38) Methylcyclohexane	9.08	83	96400	19.521	ug/l 98
39) 1,2-Dichloropropane	9.12	63	66056	20.780	ug/l 99
40) Dibromomethane	9.21	93	42791	20.303	ug/l 100

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Manual Integrations
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MMDadoda
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	74176	19.654	ug/l	99
42) Vinyl Acetate	5.90	43	734990	100.531	ug/l	99
43) Ethyl Acetate	6.93	43	79080	20.149	ug/l #	92
44) Isopropyl Acetate	8.17	43	119981	19.689	ug/l	100
45) 1,4-Dioxane	9.20	88	25448	390.382	ug/l	94
46) Methyl methacrylate	9.20	41	58470	19.314	ug/l	99
47) n-amyl Acetate	12.07	43	97849	19.416	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	71625	18.034	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	87671	18.851	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	62878	20.086	ug/l	98
51) Ethyl methacrylate	10.43	69	94057	19.860	ug/l	99
52) 1,3-Dichloropropane	10.71	76	103380	20.370	ug/l	99
53) Dibromochloromethane	10.90	129	58658	19.141	ug/l	97
54) 1,2-Dibromoethane	11.00	107	65061	19.916	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	150477	90.709	ug/l	100
56) Bromoform	12.13	173	39427	17.785	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	392166	102.609	ug/l	99
59) 2-Hexanone	10.75	43	271584	99.419	ug/l	99
61) Tetrachloroethene	10.63	164	75102	21.350	ug/l	97
62) Toluene	10.16	91	277824	20.390	ug/l	100
64) Chlorobenzene	11.43	112	166907	20.195	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	58682	19.691	ug/l	100
66) Ethyl Benzene	11.51	91	291448	20.083	ug/l	99
67) m/p-Xylenes	11.62	106	226762	40.823	ug/l	100
68) o-Xylene	11.95	106	112605	20.707	ug/l	100
69) Styrene	11.96	104	175837	19.901	ug/l	99
70) Isopropylbenzene	12.25	105	292728	20.602	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	86931	20.293	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	78452m	21.155	ug/l	
73) Bromobenzene	12.53	156	76044	20.163	ug/l	98
74) n-propylbenzene	12.59	91	299732	19.990	ug/l	99
75) 2-Chlorotoluene	12.67	91	187968	20.211	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	236711	20.254	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	16791	15.868	ug/l	93
78) 4-Chlorotoluene	12.77	91	172022	19.805	ug/l	99
79) tert-butylbenzene	12.99	119	212056	20.479	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	227436	20.004	ug/l	99
81) sec-Butylbenzene	13.17	105	266208	20.323	ug/l	99
82) p-Isopropyltoluene	13.29	119	234597	19.809	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	113566	19.323	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	103156	18.426	ug/l	98
85) n-Butylbenzene	13.61	91	158426	17.924	ug/l	99
86) Hexachloroethane	13.87	117	33552	18.173	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	115724	19.371	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11734	17.450	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	43431	18.919	ug/l	97
90) Hexachlorobutadiene	15.01	225	41422	18.993	ug/l	99
91) Naphthalene	15.13	128	126044	15.886	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	52751	16.868	ug/l	99

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Instrument :
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ClientSampleId :
VSTDCCC020EC

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

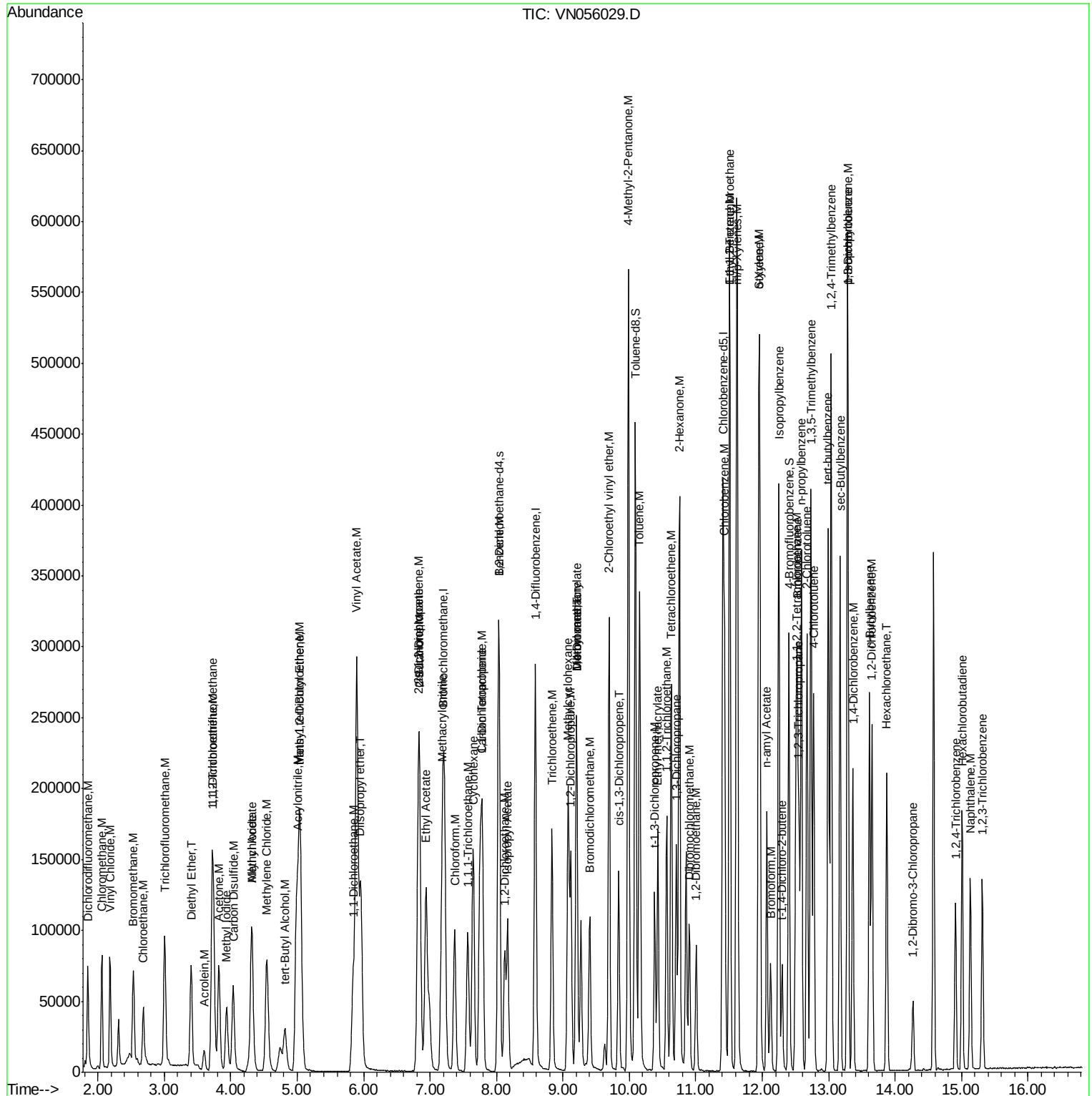
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
Data File : VN056029.D
Acq On : 6 Jun 2019 1:33
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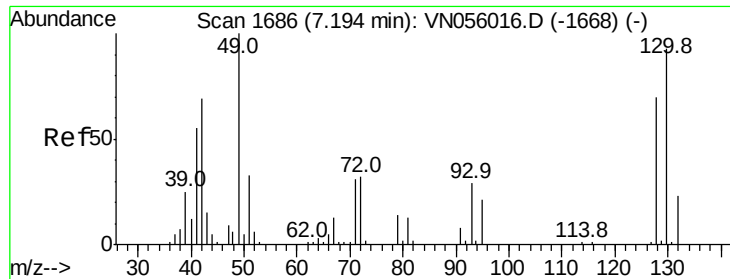
Instrument :
MSVOA_N
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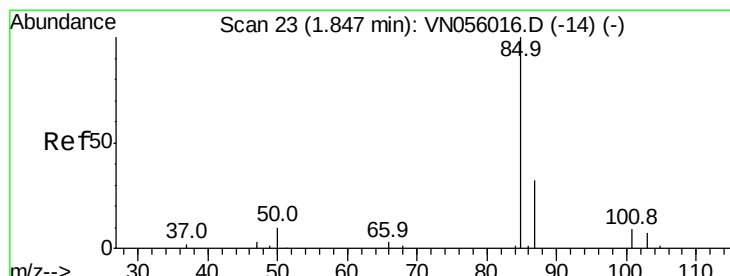
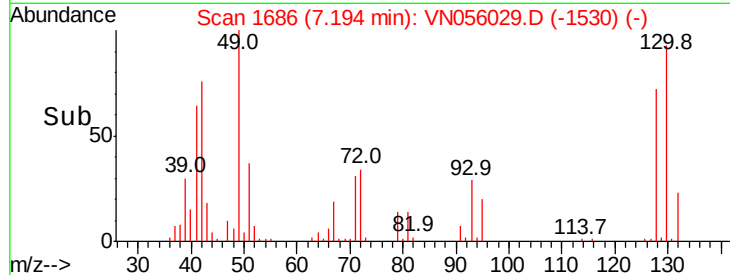
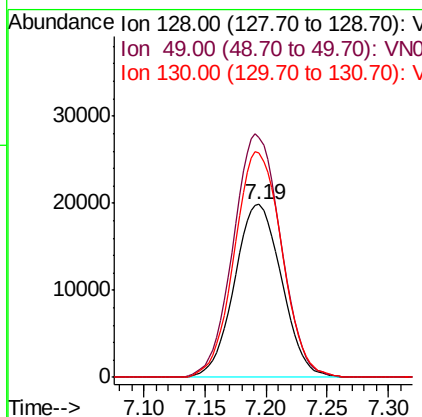
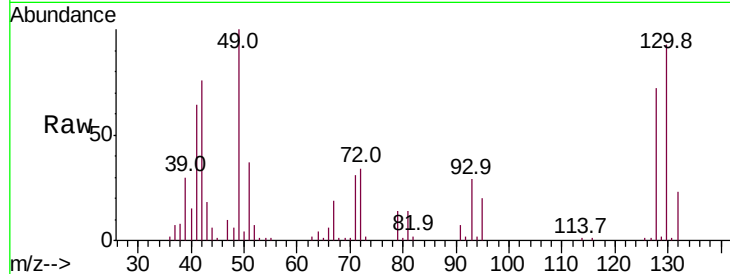
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	141.9	0.0	355.8
130	131.3	0.0	326.3

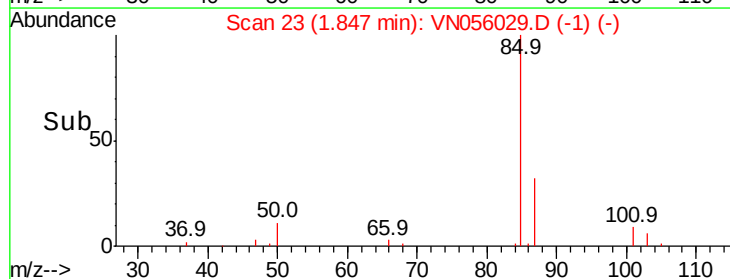
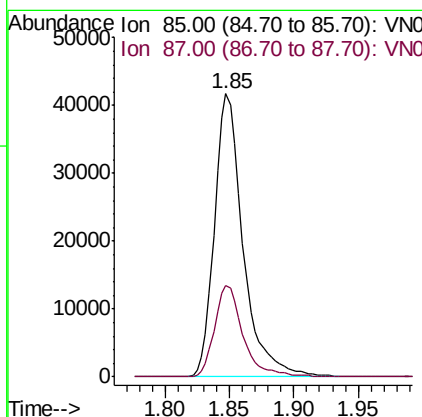
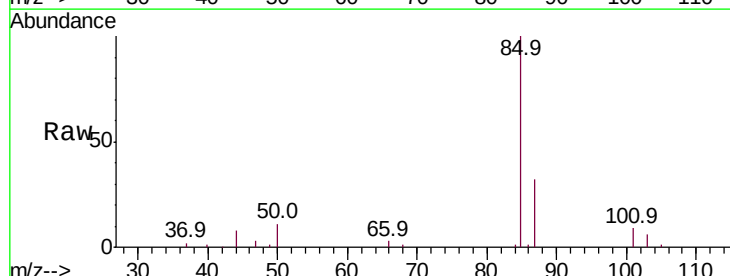
Manual Integrations
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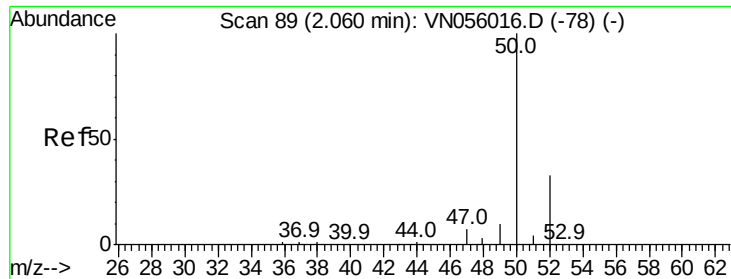
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#2
 Dichlorodifluoromethane
 Concen: 21.448 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.9	47.7





#3

Chloromethane

Concen: 20.846 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 73074

Ion Ratio Lower Upper

50 100

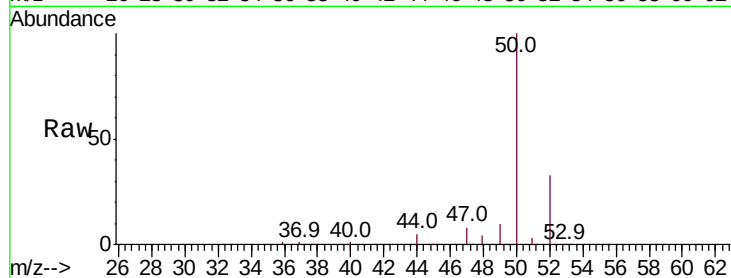
52 32.8 26.7 40.1

Manual Integrations

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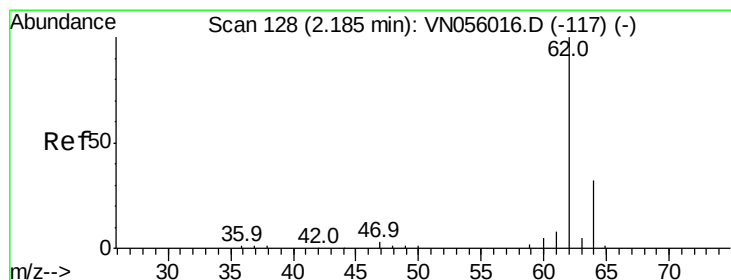
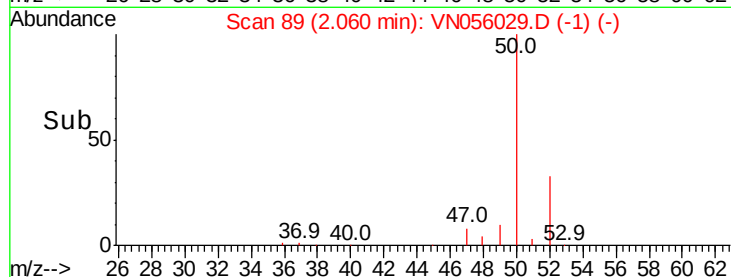
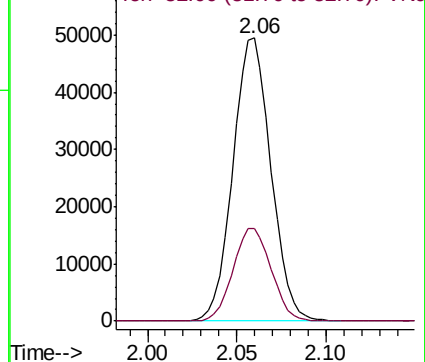
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.827 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056029.D

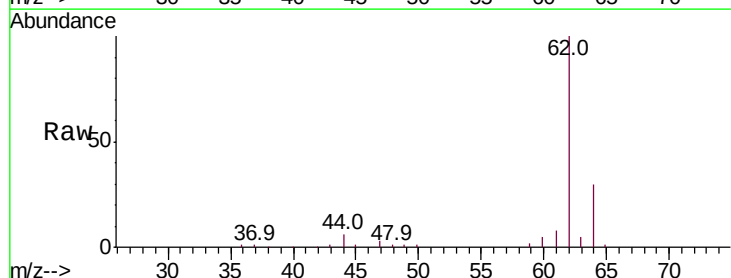
Acq: 6 Jun 2019 1:33

Tgt Ion: 62 Resp: 74434

Ion Ratio Lower Upper

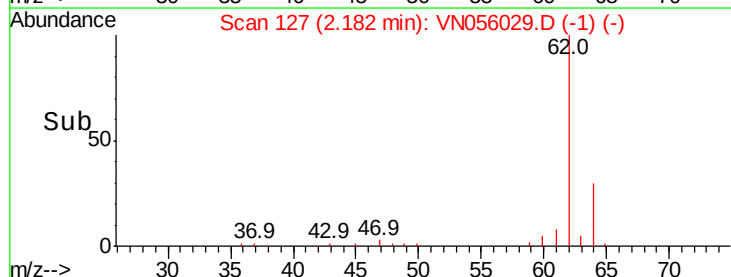
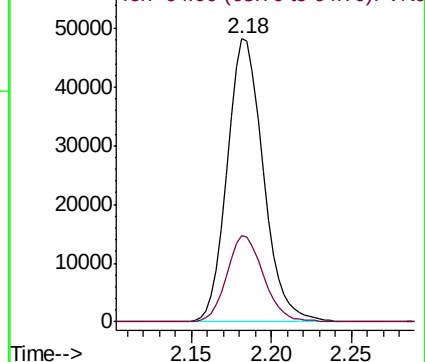
62 100

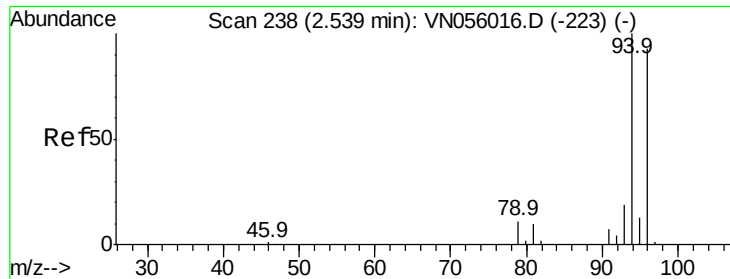
64 30.4 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 21.675 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 48683

Ion Ratio Lower Upper

94 100

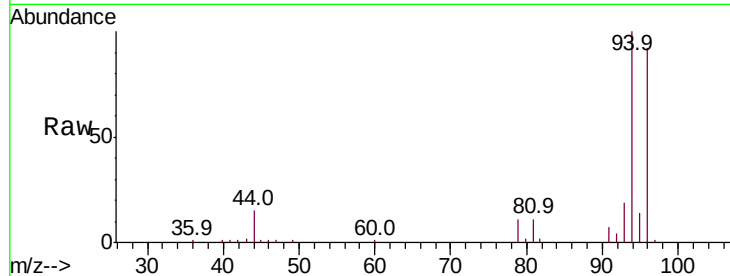
96 91.9 74.1 111.1

Manual Integrations

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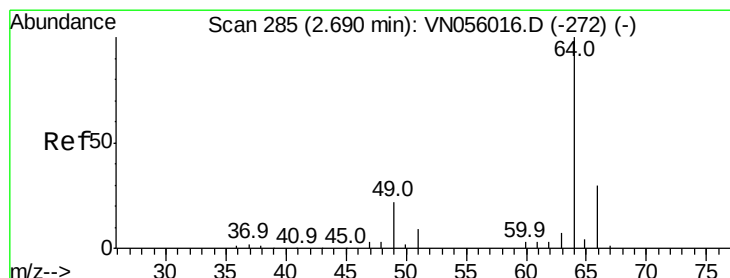
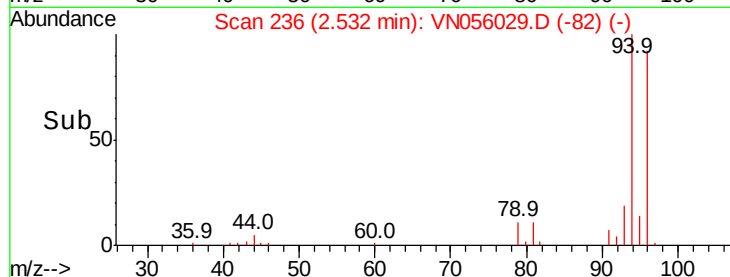
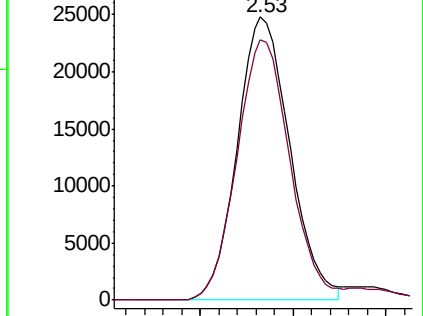
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.959 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056029.D

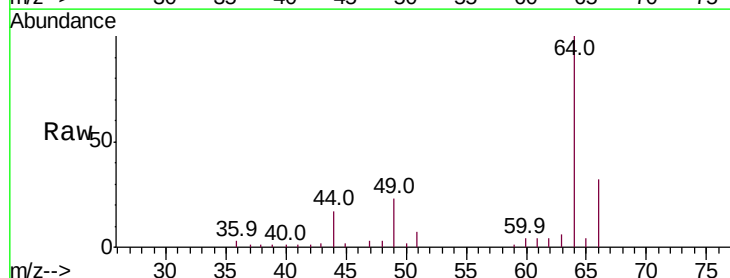
Acq: 6 Jun 2019 1:33

Tgt Ion: 64 Resp: 44391

Ion Ratio Lower Upper

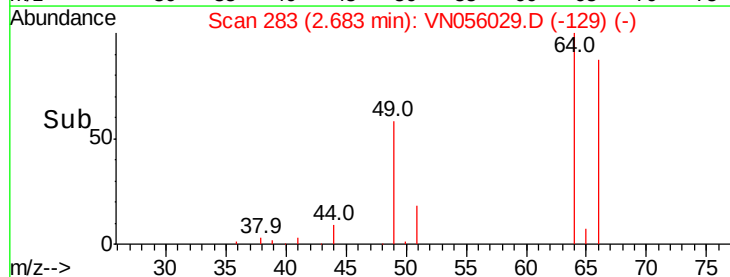
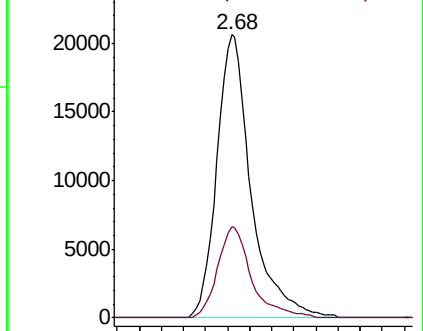
64 100

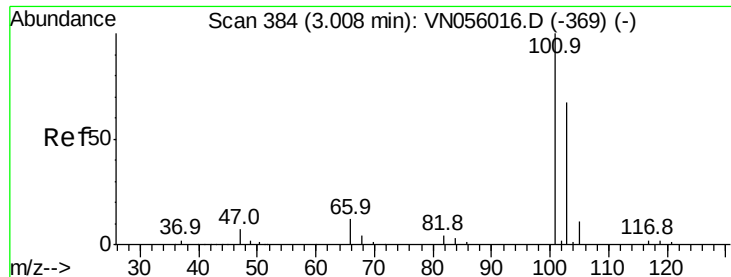
66 32.2 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

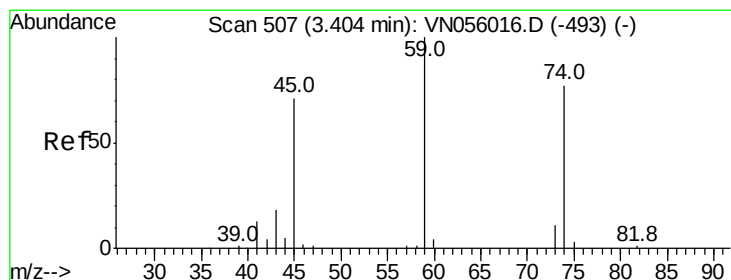
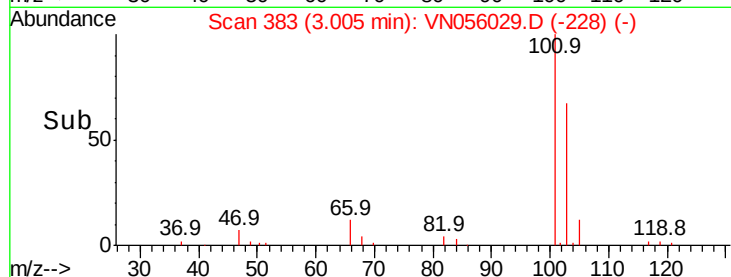
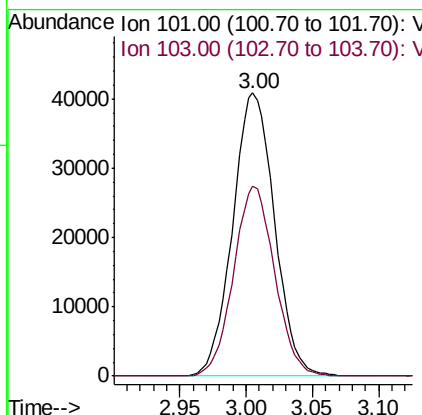
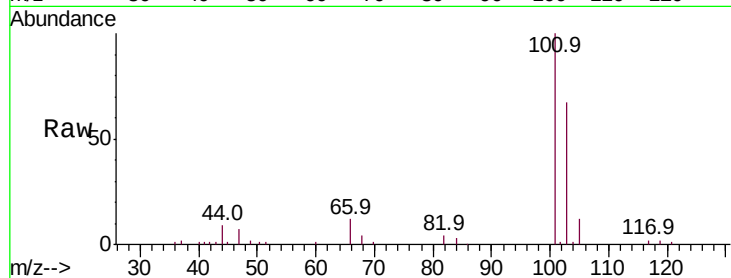
Trichlorofluoromethane
Concen: 20.255 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	53.4	80.0

Manual Integrations
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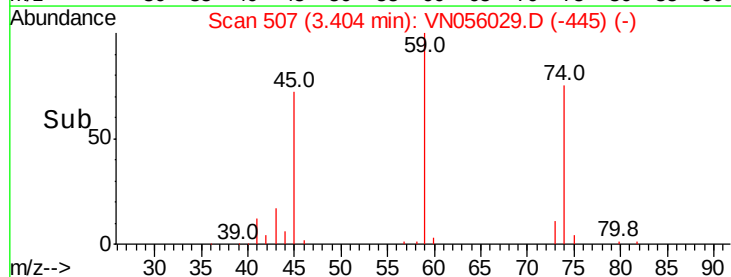
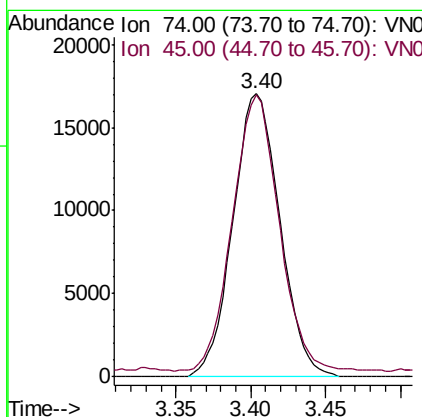
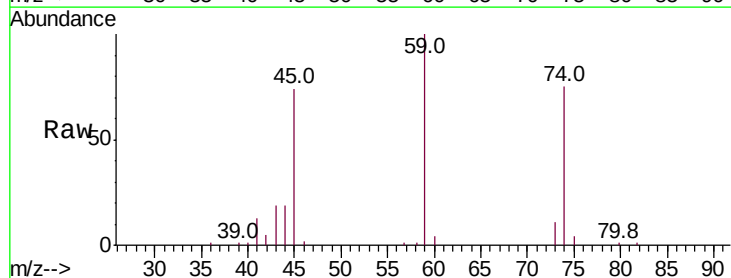
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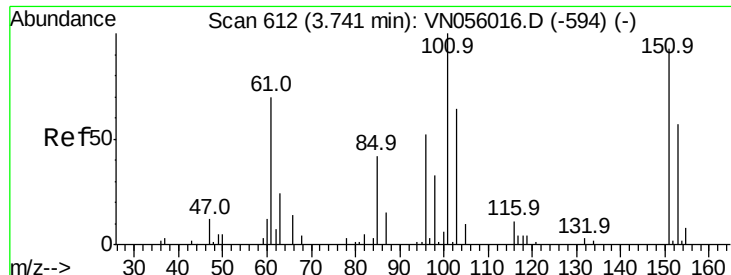


#8

Diethyl Ether
Concen: 19.904 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.434 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:101 Resp: 55776

Ion Ratio Lower Upper

101 100

85 39.5 0.0 82.0

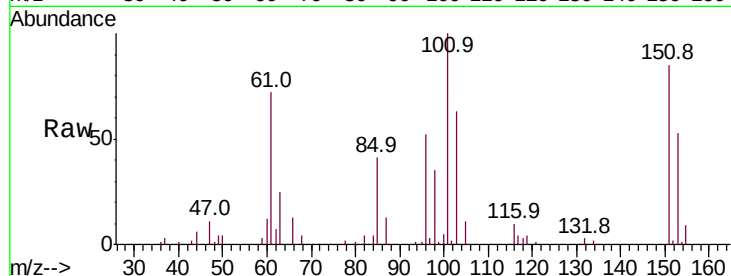
151 85.0 0.0 177.0

Manual Integrations

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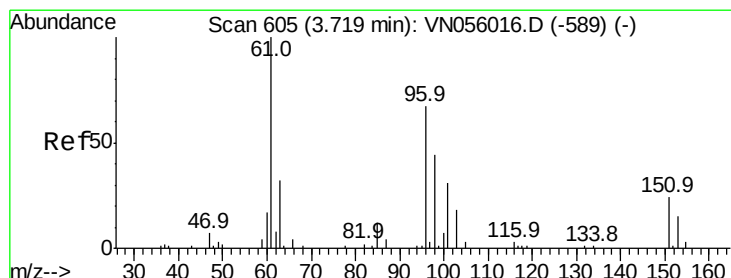
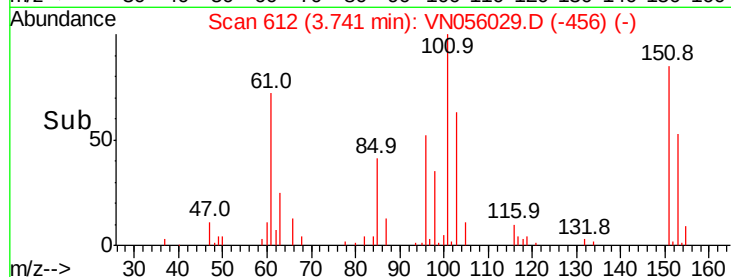
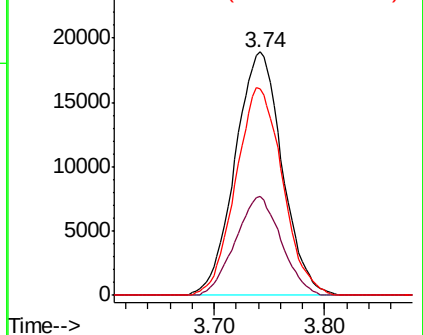
6/6/2019 9:04:47 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.003 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

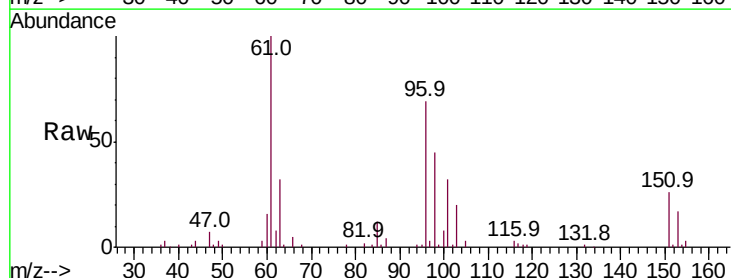
Tgt Ion: 96 Resp: 55696

Ion Ratio Lower Upper

96 100

61 144.7 119.7 179.5

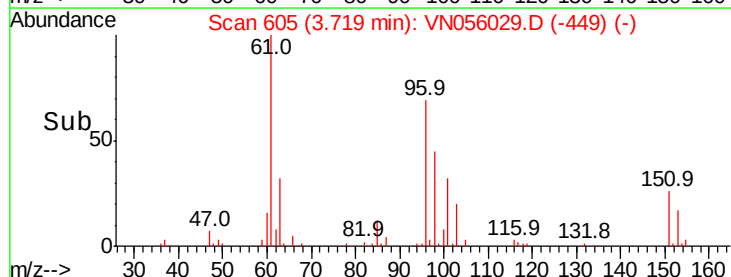
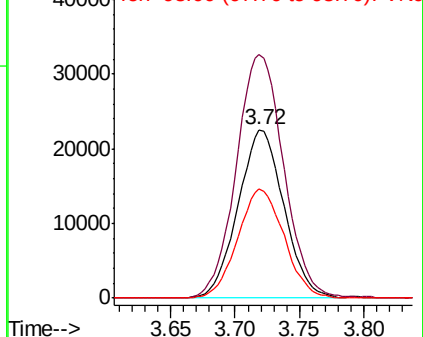
98 64.6 52.3 78.5

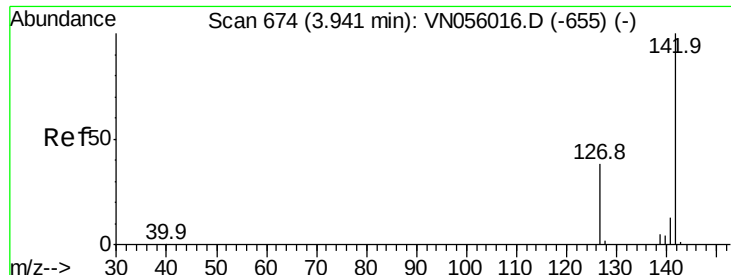


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





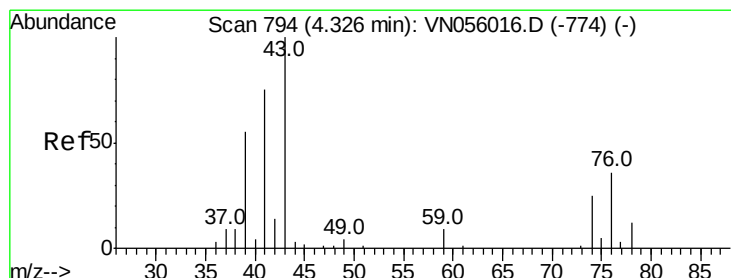
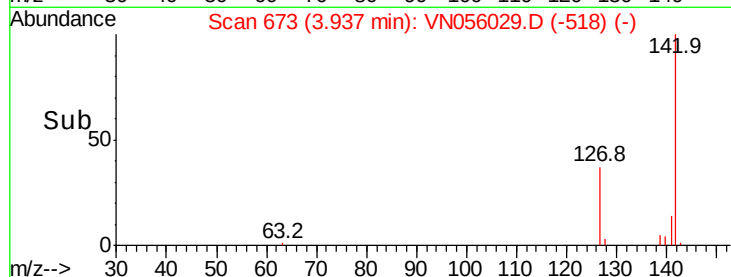
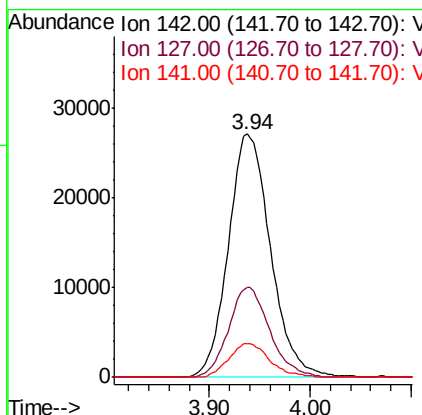
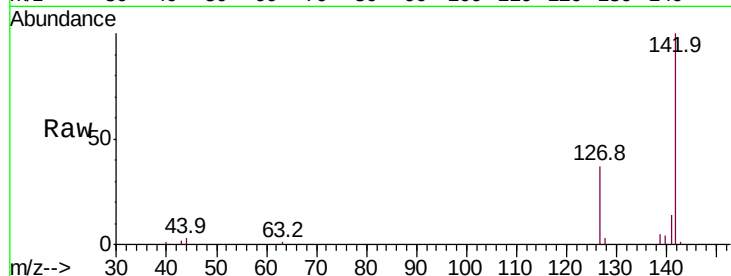
#11
Methyl Iodide
Concen: 17.890 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.3	19.0	57.0
141	13.9	6.7	20.0

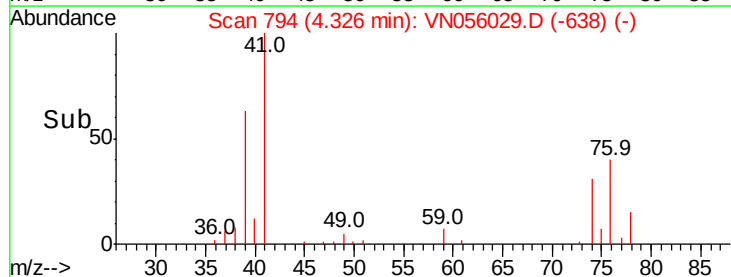
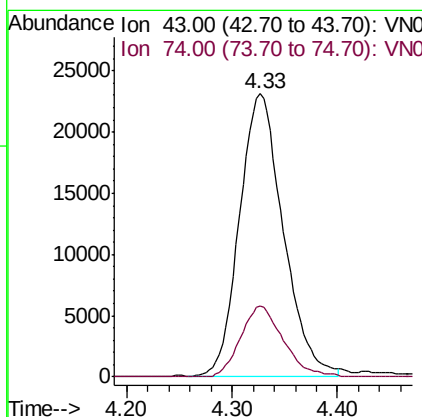
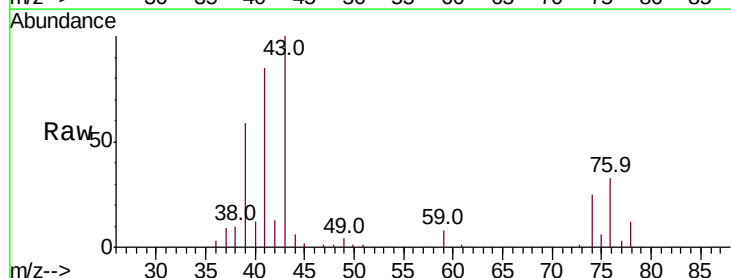
Manual Integrations
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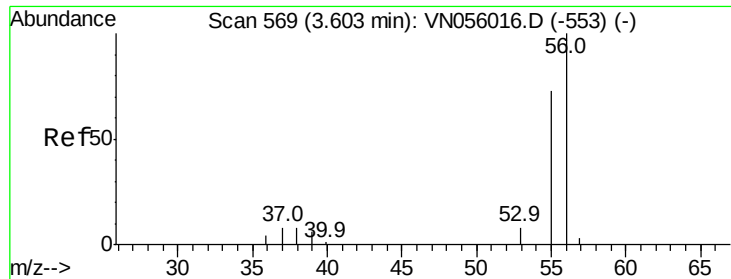
MMDadoda
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#12
Methyl Acetate
Concen: 20.012 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.9	29.9





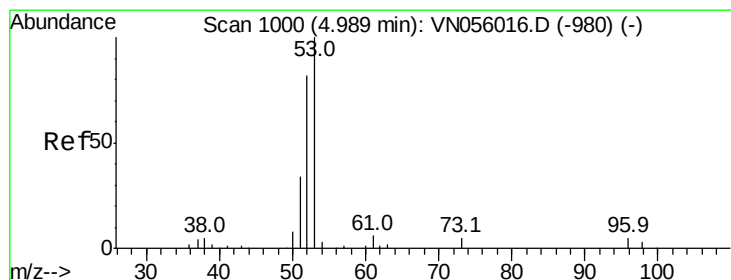
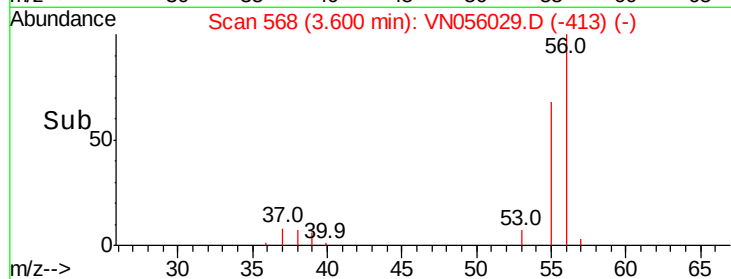
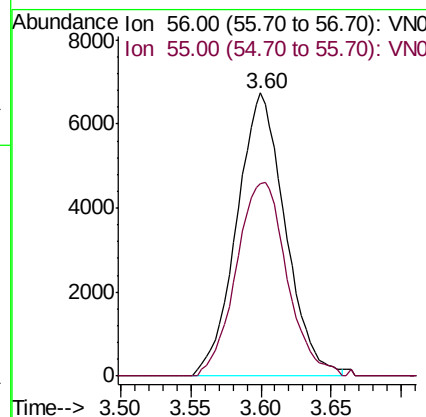
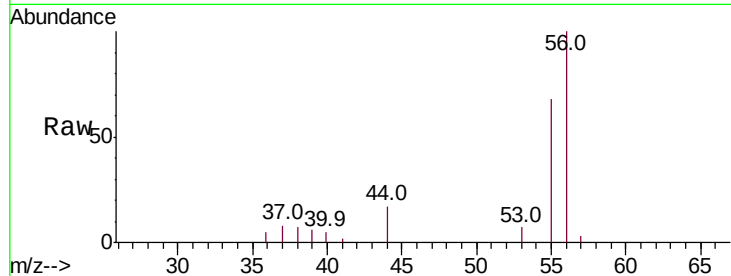
#13
Acrolein
Concen: 99.371 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 56 Resp: 16206
Ion Ratio Lower Upper
56 100
55 71.7 57.9 86.9

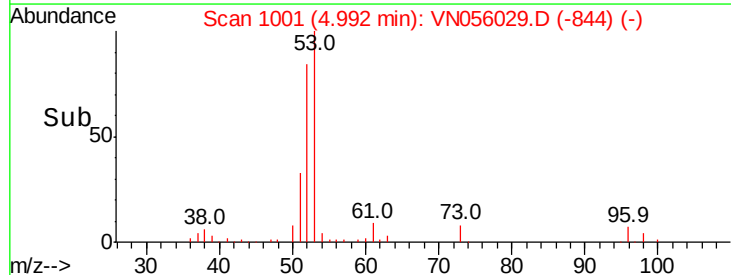
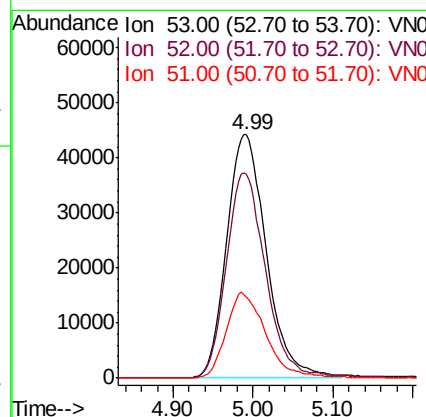
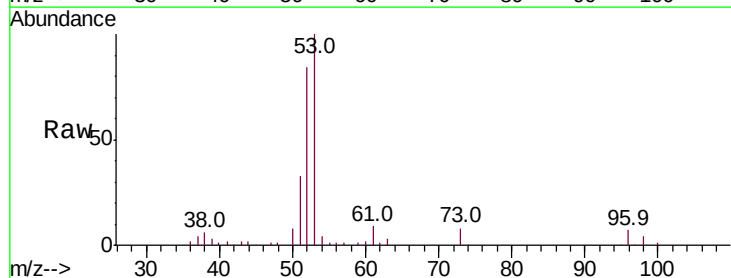
Manual Integrations
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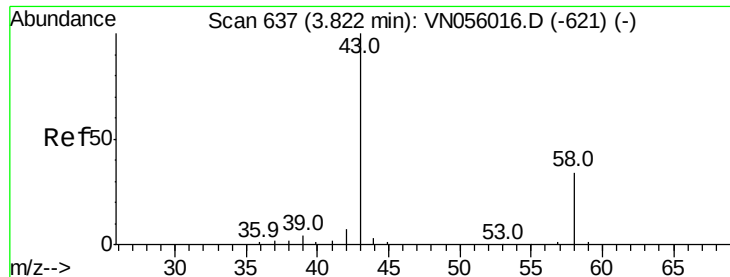
MMDadoda
6/6/2019 9:04:47 AM



#14
Acrylonitrile
Concen: 100.703 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 53 Resp: 150263
Ion Ratio Lower Upper
53 100
52 82.4 40.8 122.2
51 34.8 17.3 52.0





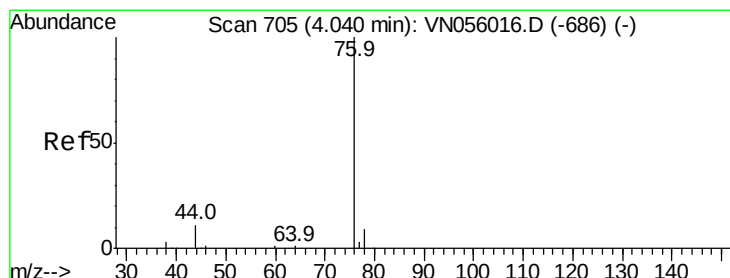
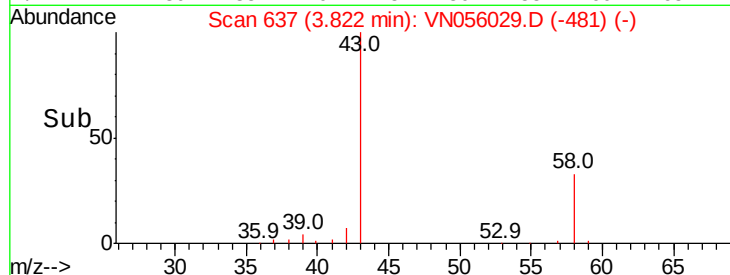
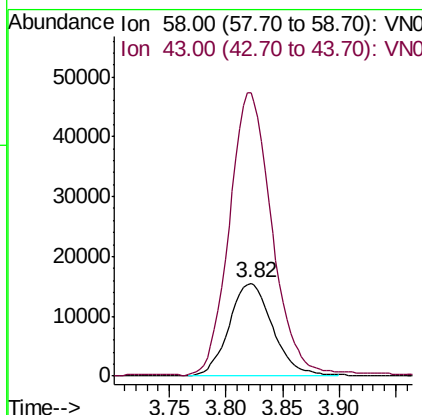
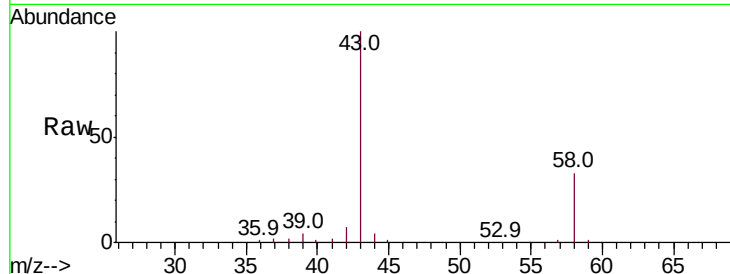
#15
Acetone
Concen: 85.627 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 58 Resp: 41835
Ion Ratio Lower Upper
58 100
43 303.2 232.5 348.7

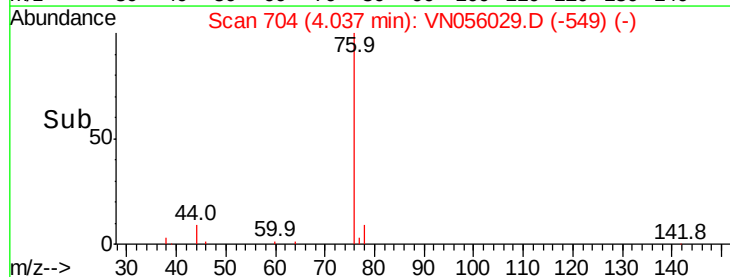
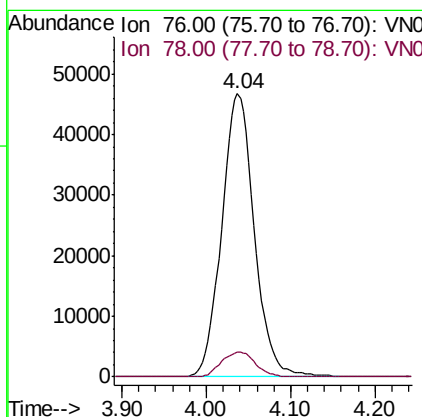
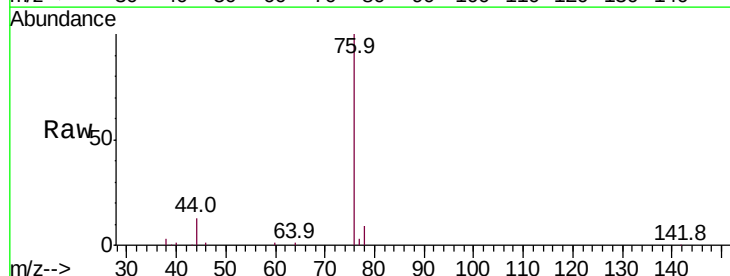
Manual Integrations
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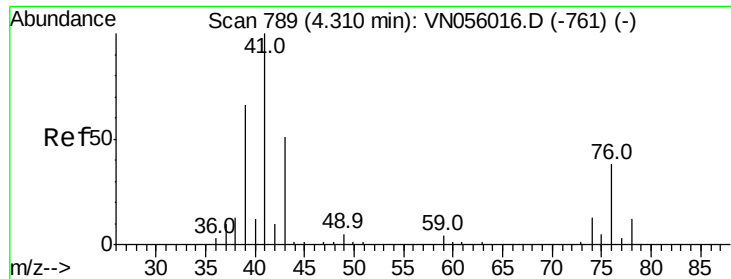
MMDadoda
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#16
Carbon Disulfide
Concen: 18.928 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 76 Resp: 125402
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9





#17

Allvl chloride

Concen: 19.627 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

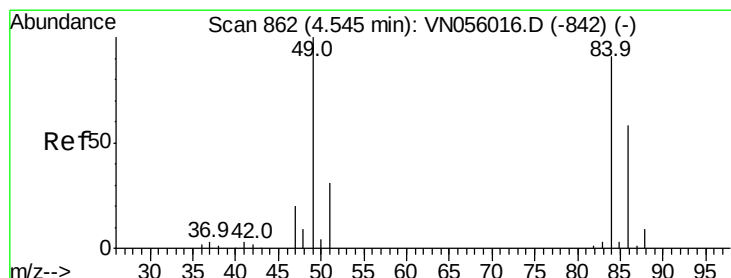
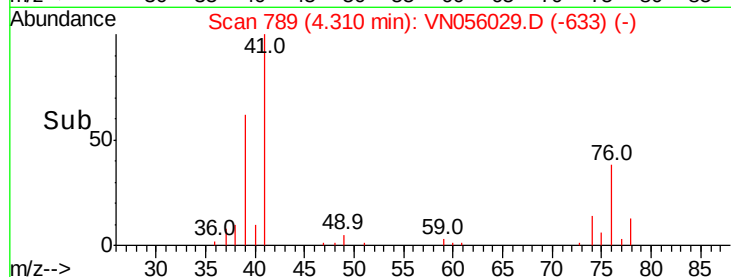
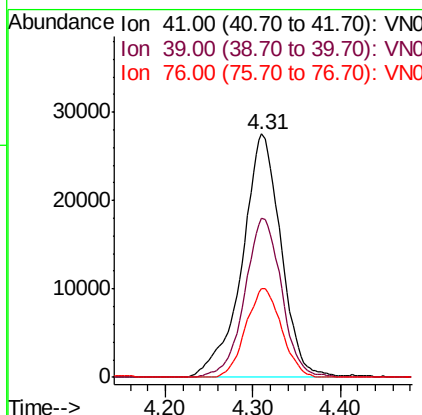
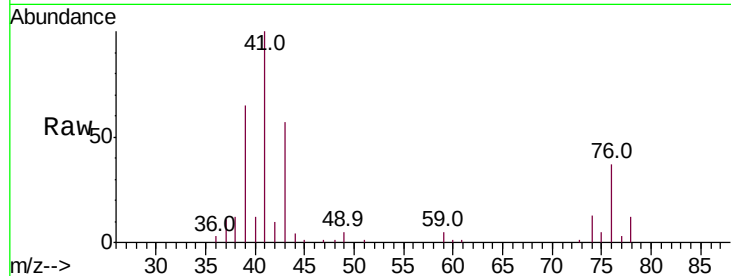
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	84674
Ion	Ratio	Lower	Upper
41	100		
39	65.5	33.0	99.0
76	36.6	18.9	56.9

Manual Integrations
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6/6/2019 9:04:47 AM



#18

Methylene Chloride

Concen: 20.519 ug/l

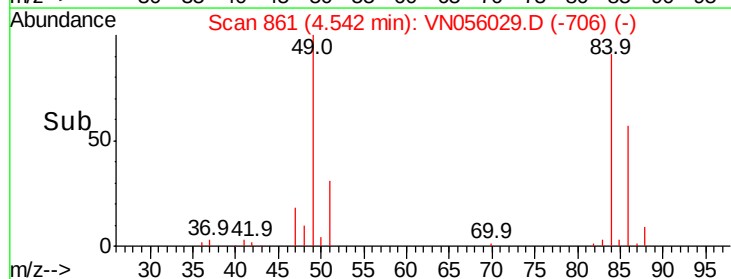
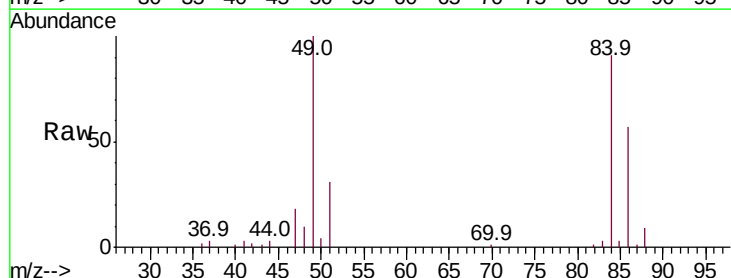
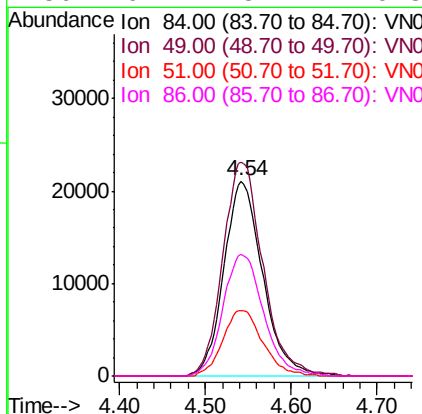
RT: 4.54 min Scan# 861

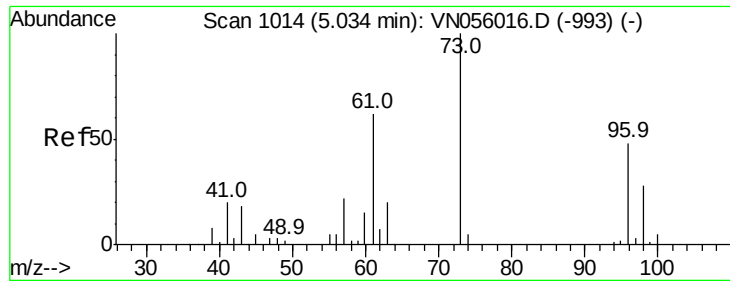
Delta R.T. -0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Tgt Ion:	84	Resp:	66145
Ion	Ratio	Lower	Upper
84	100		
49	108.6	87.6	131.4
51	33.8	27.0	40.4
86	62.1	51.2	76.8





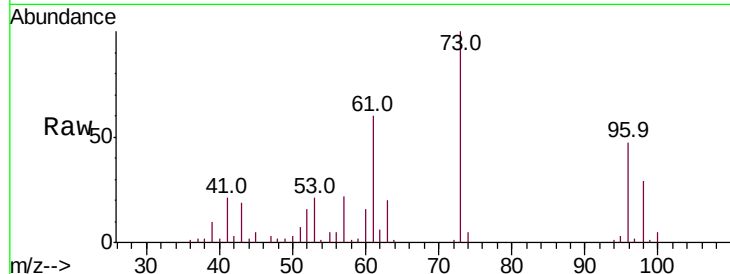
#19
trans-1,2-Dichloroethene
Concen: 20.283 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	102.5	153.7
98	62.4	46.9	70.3

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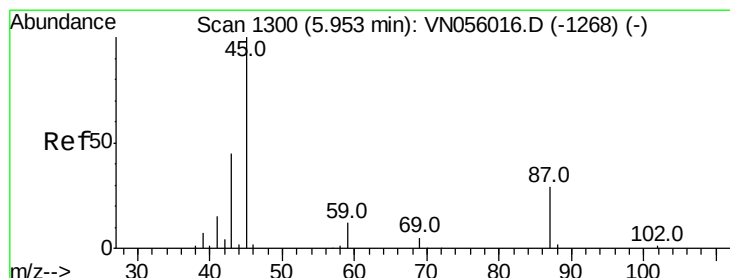
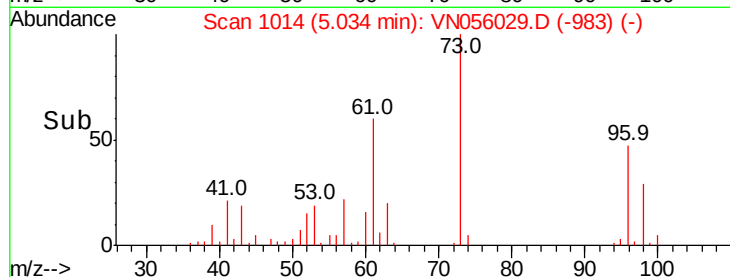
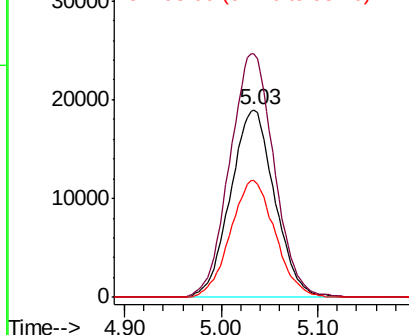


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 20.425 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.5	48.0	72.0
87	29.9	23.4	35.2
59	11.3	9.2	13.8

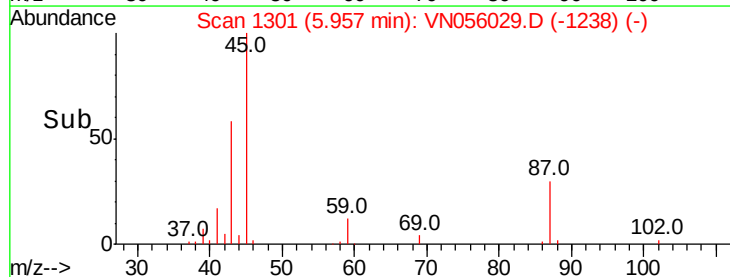
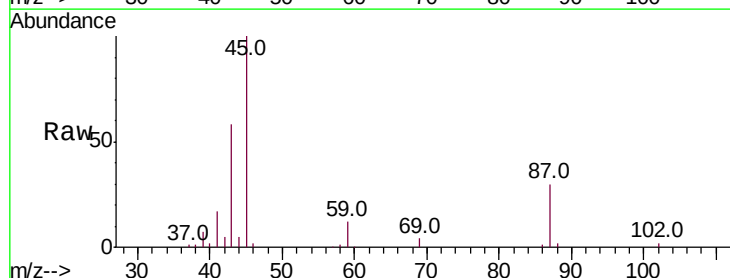
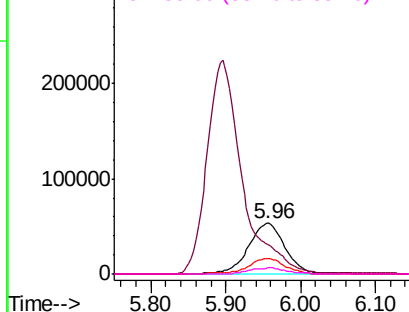
Abundance

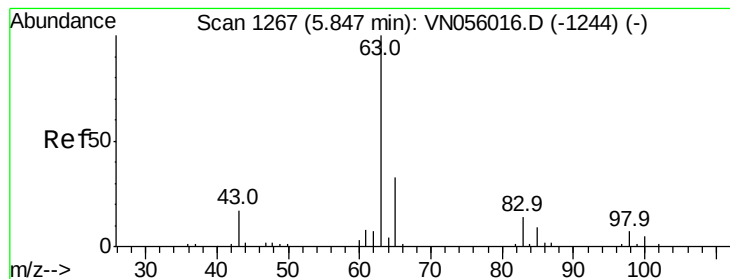
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.331 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

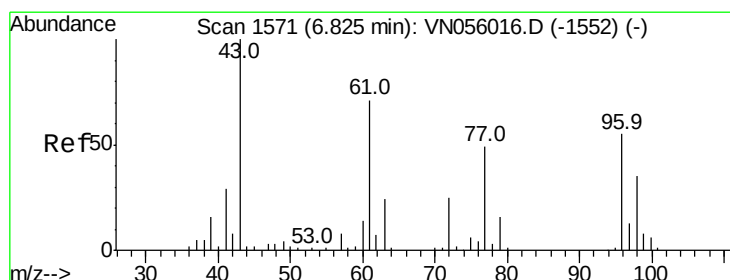
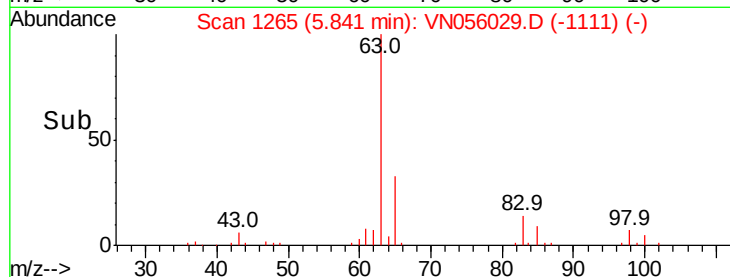
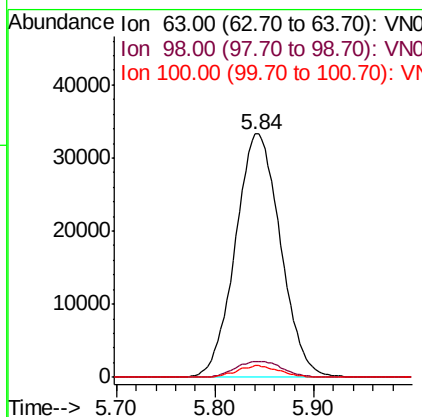
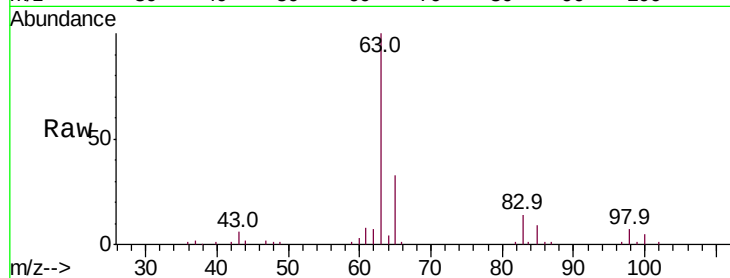
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	105613
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.5	10.5
100	4.7	2.3	6.9

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#22

cis-1,2-Dichloroethene

Concen: 20.400 ug/l

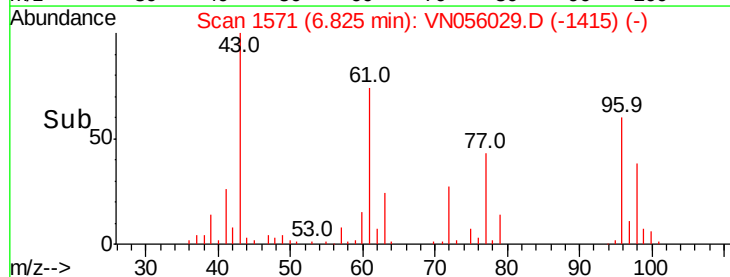
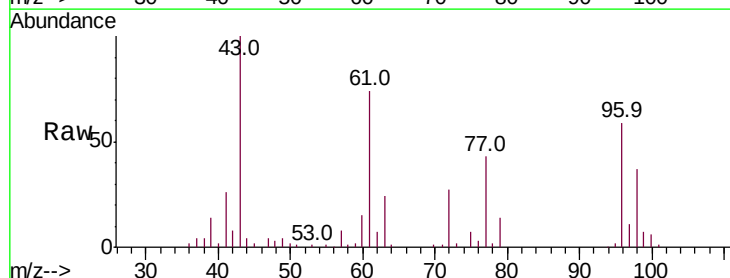
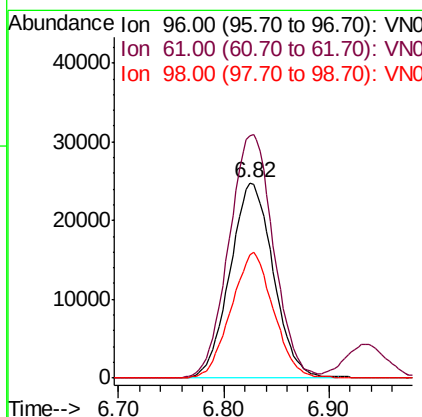
RT: 6.82 min Scan# 1571

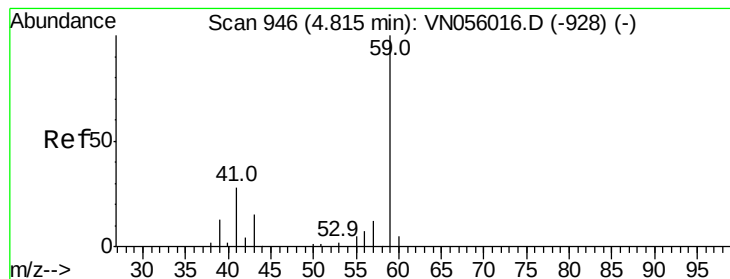
Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Tgt Ion:	96	Resp:	70767
Ion Ratio	Lower	Upper	
96	100		
61	128.8	105.7	158.5
98	62.9	52.0	78.0





#23

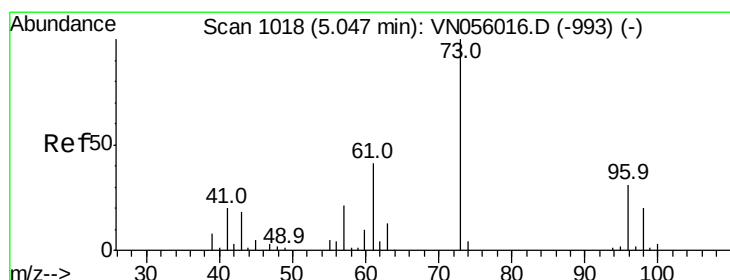
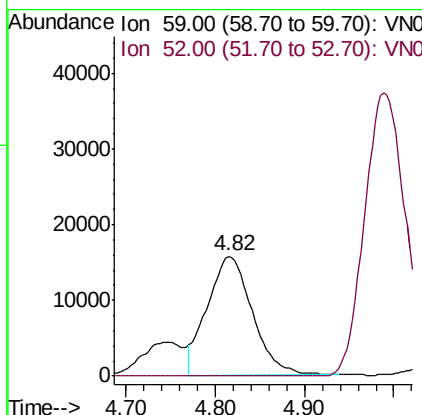
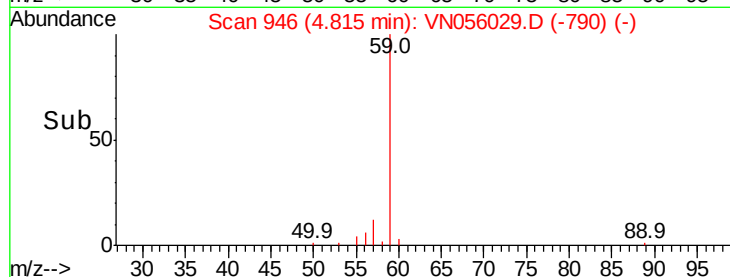
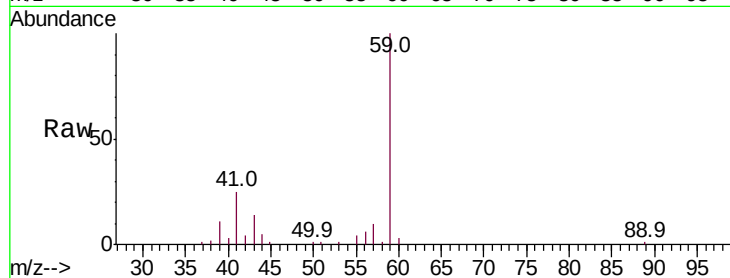
tert-Butyl Alcohol
Concen: 94.864 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.0	0.0	0.0	

Manual Integrations
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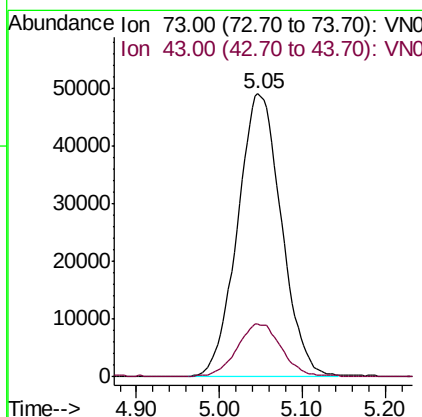
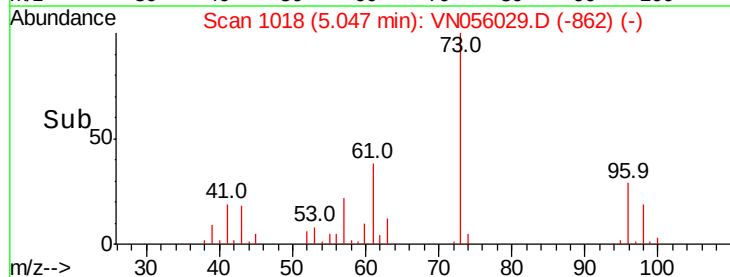
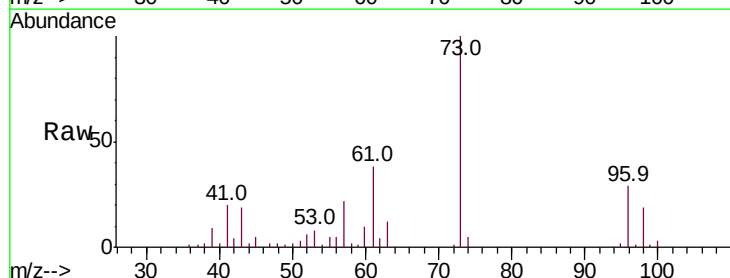
MMDadoda
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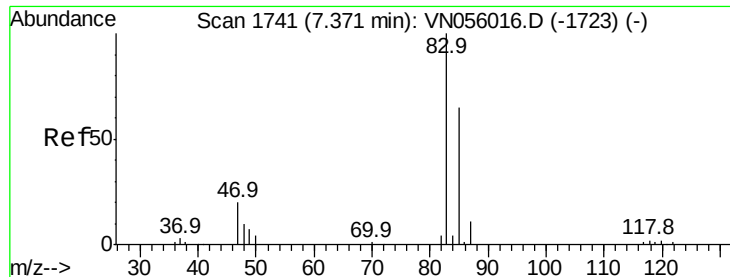


#24

Methyl tert-Butyl Ether
Concen: 20.380 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	19.0	15.4	23.0	





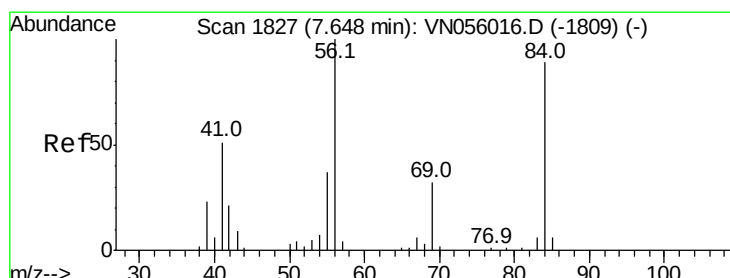
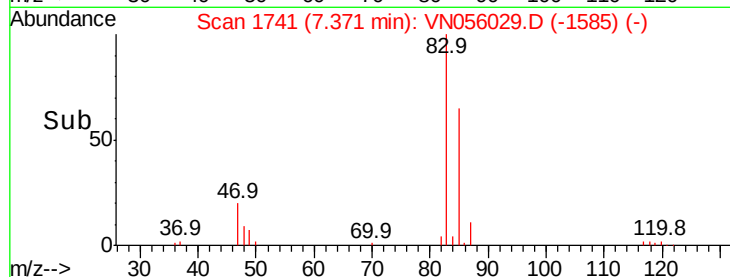
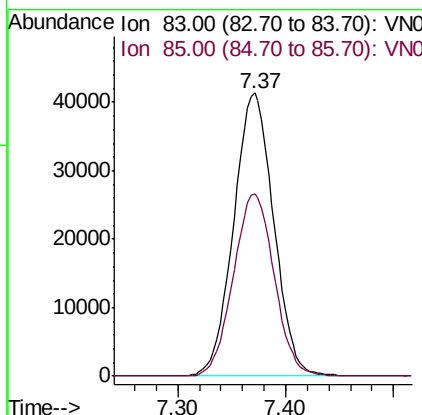
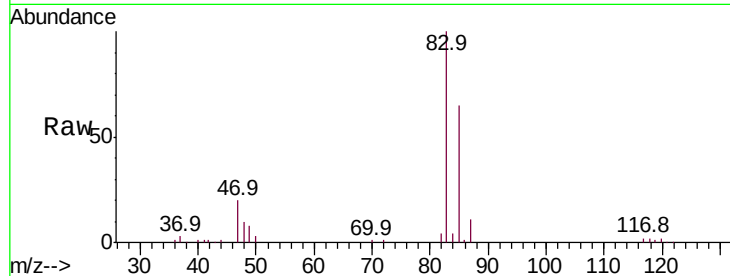
#25
Chloroform
Concen: 20.577 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 106732
Ion Ratio Lower Upper
83 100
85 64.5 52.0 78.0

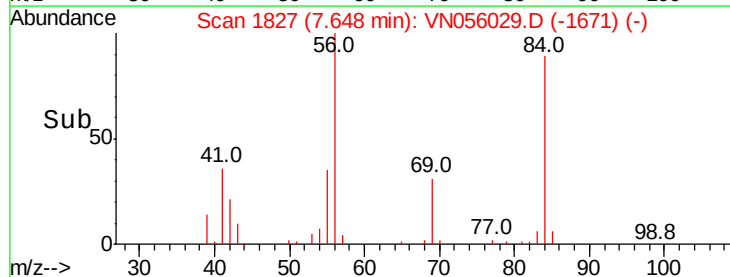
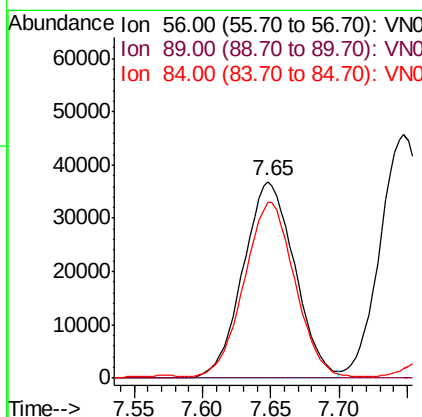
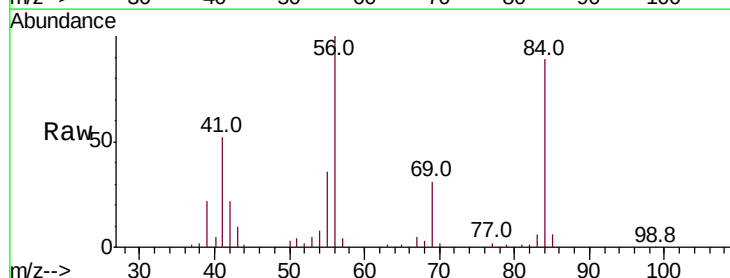
Manual Integrations
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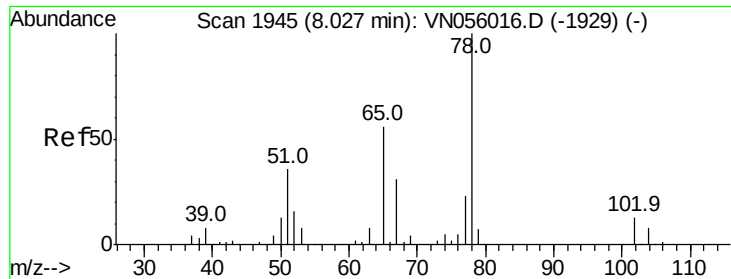
MMDadoda
6/6/2019 9:04:47 AM



#26
Cyclohexane
Concen: 20.059 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 56 Resp: 96672
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.2 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 30.141 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Tot Ion: 65 Resp: 99842

Ion Ratio Lower Upper

65 100

67 55.6 43.4 65.2

Instrument :

MSVOA_N

ClientSampleId :

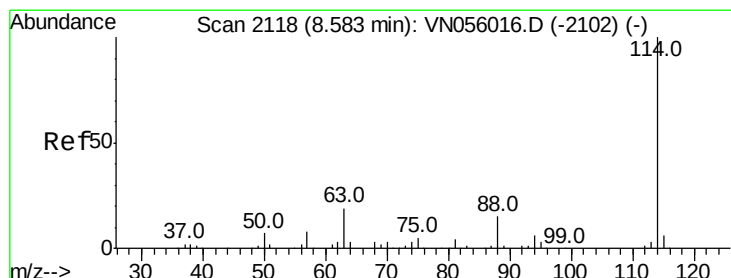
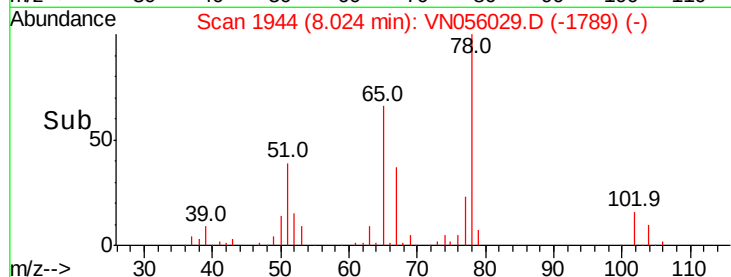
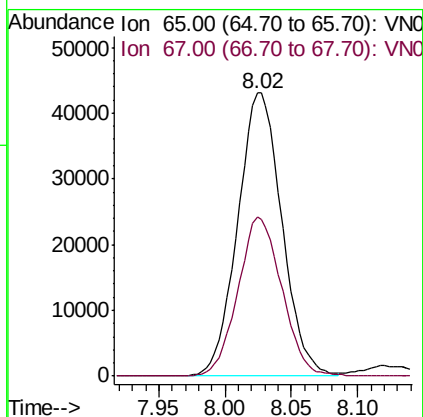
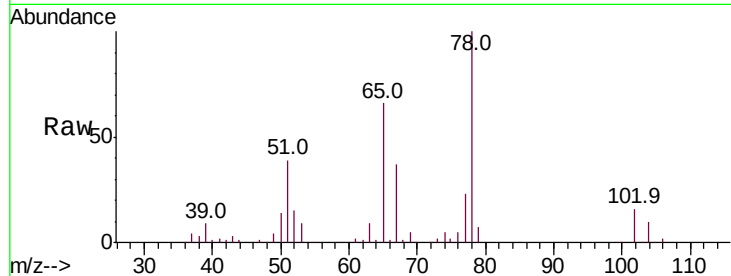
VSTDCCC020EC

Manual Integrations

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6/6/2019 9:04:47 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

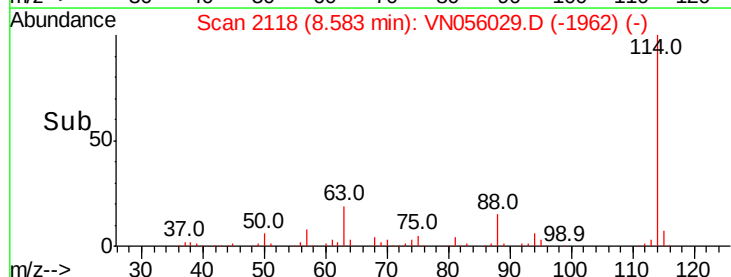
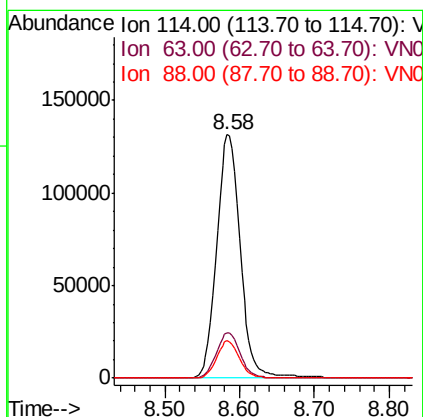
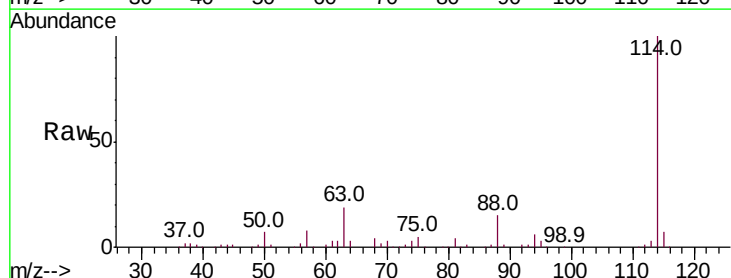
Tgt Ion: 114 Resp: 287976

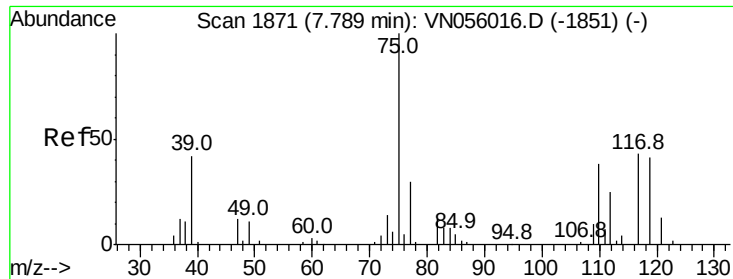
Ion Ratio Lower Upper

114 100

63 18.8 14.7 22.1

88 14.7 11.9 17.9





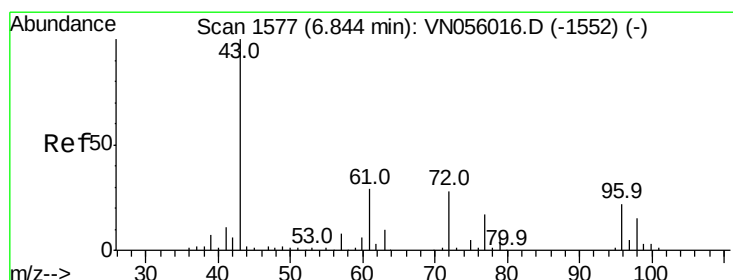
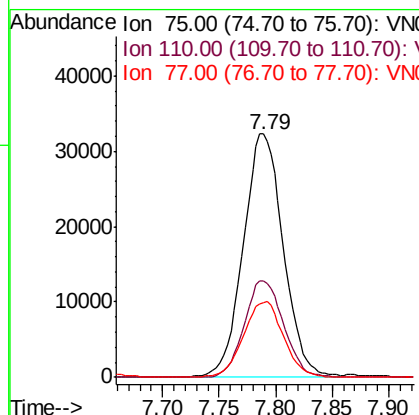
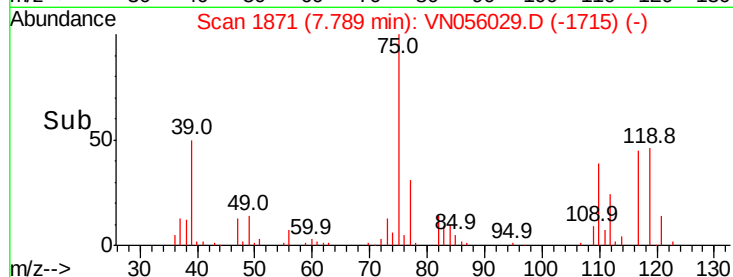
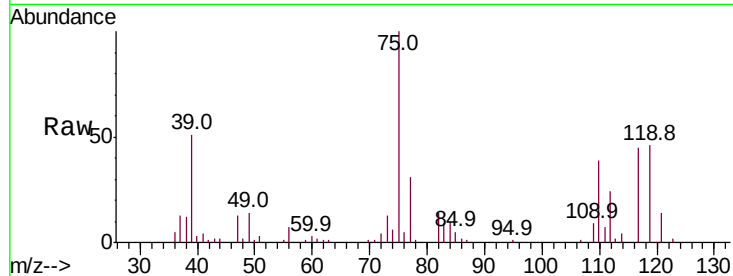
#29
 1,1-Dichloropropene
 Concen: 20.451 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.8	0.0	77.0
77	31.1	0.0	62.4

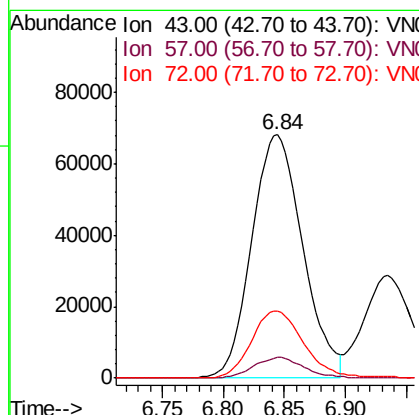
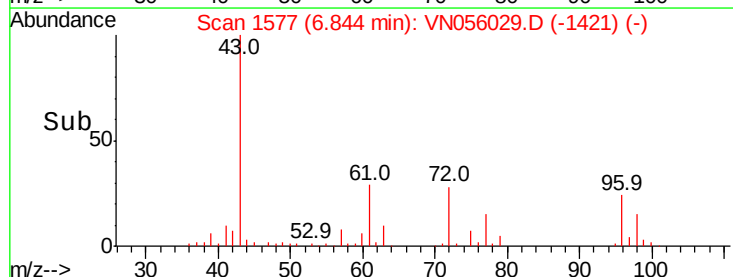
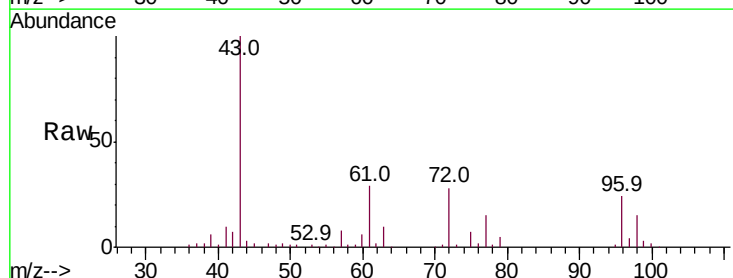
Manual Integrations
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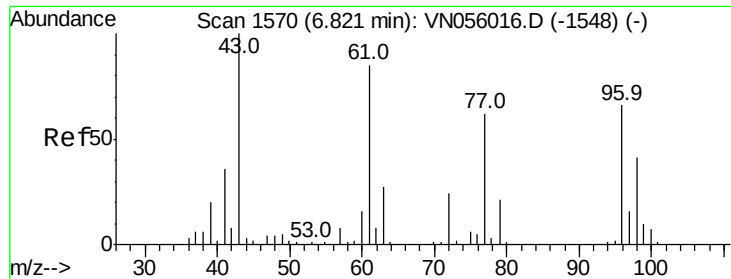
MMDadoda
 6/6/2019 9:04:47 AM



#30
 2-Butanone
 Concen: 95.834 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

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





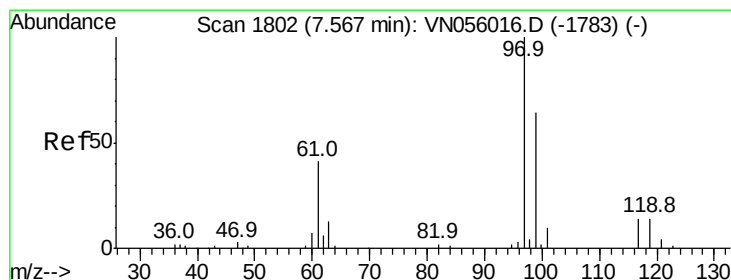
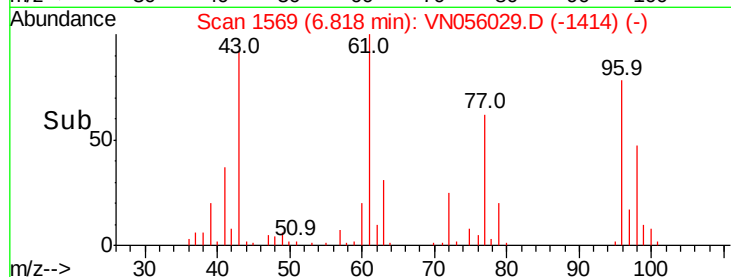
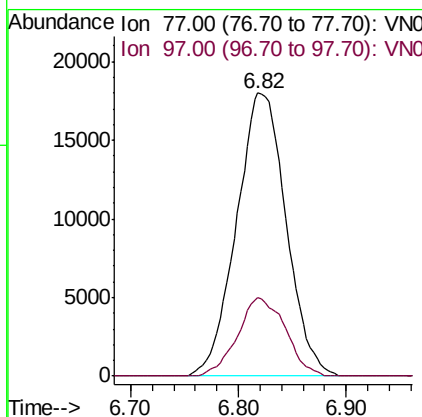
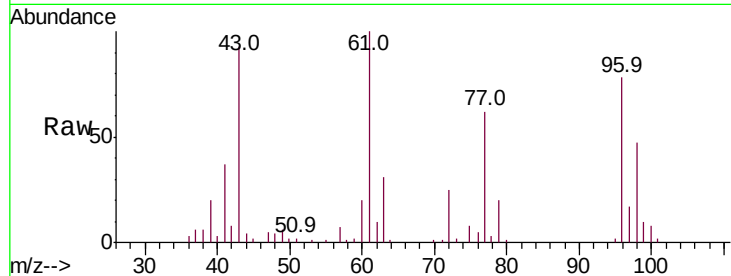
#31
 2,2-Dichloropropane
 Concen: 15.886 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 57569
 Ion Ratio Lower Upper
 77 100
 97 26.7 20.8 31.2

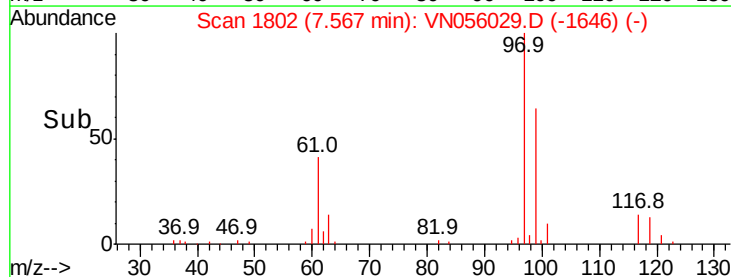
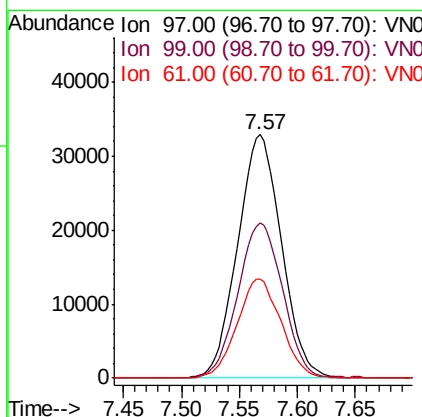
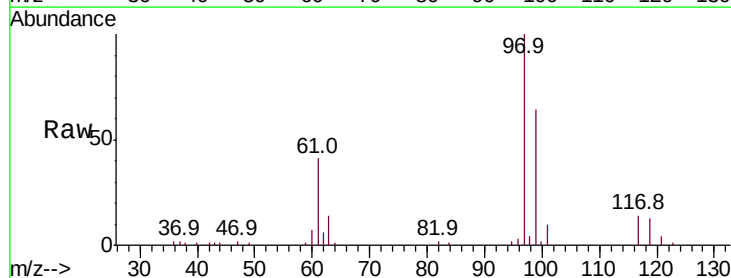
Manual Integrations
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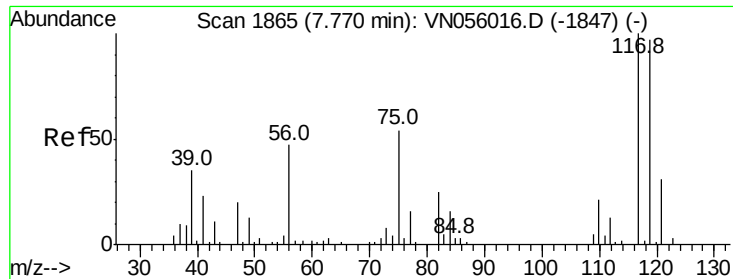
MMDadoda
 6/6/2019 9:04:47 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.122 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion: 97 Resp: 86599
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.5 77.3
 61 40.7 32.9 49.3





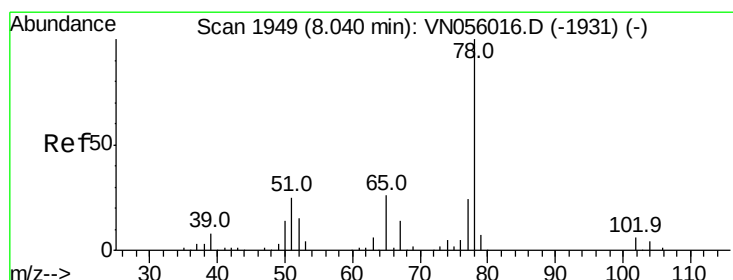
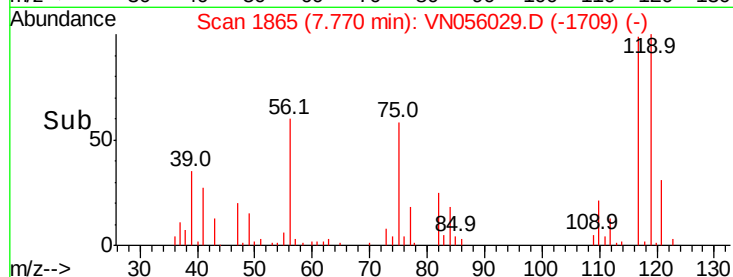
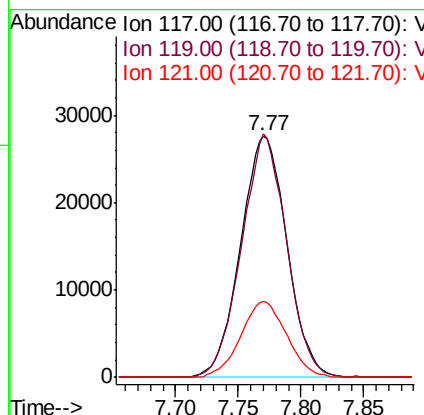
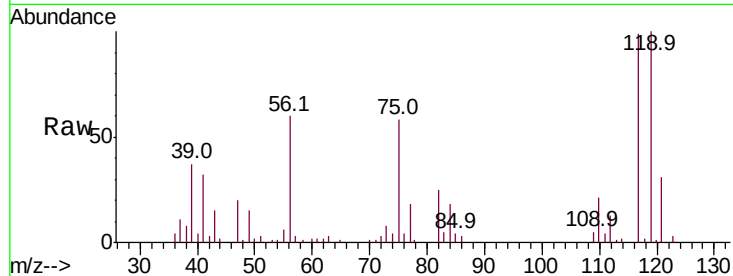
#33
Carbon Tetrachloride
Concen: 19.397 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.9	77.3	115.9
121	31.5	25.0	37.4

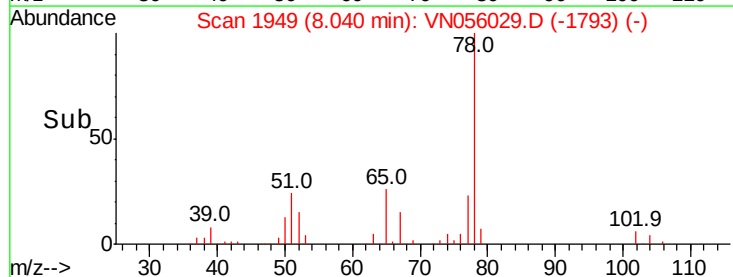
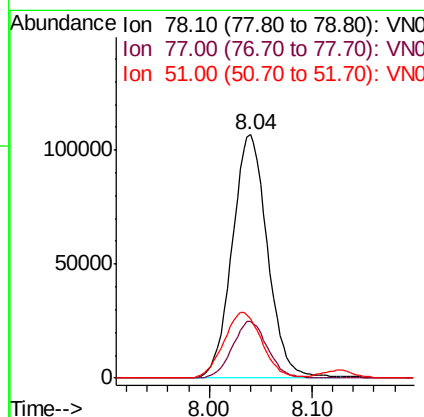
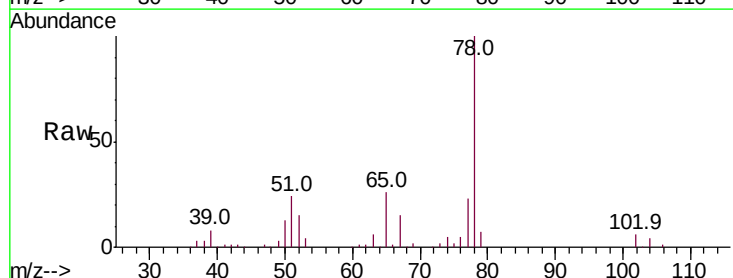
Manual Integrations
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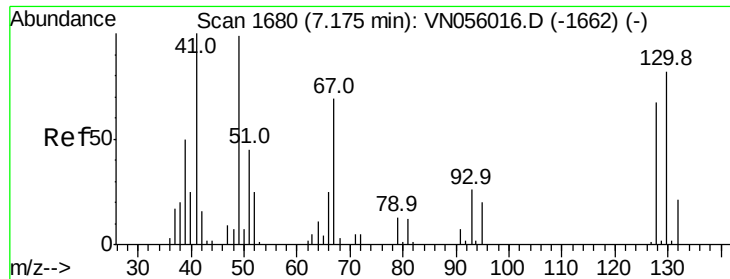
MMDadoda
6/6/2019 9:04:47 AM



#34
Benzene
Concen: 20.477 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9
51	24.1	19.8	29.8





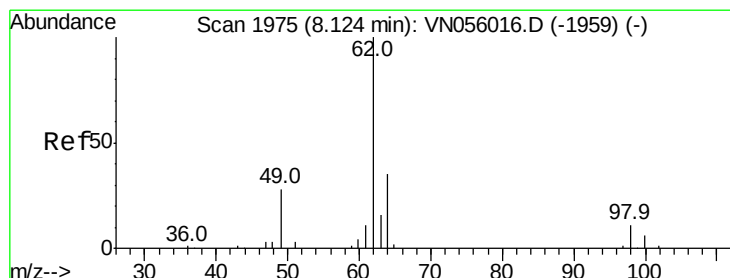
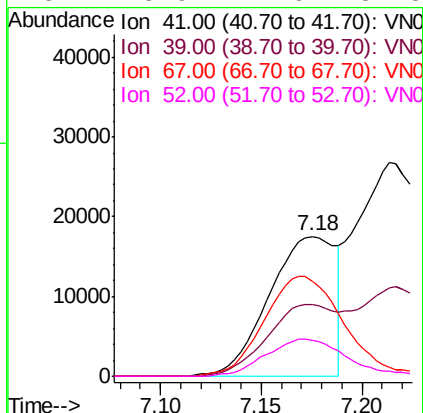
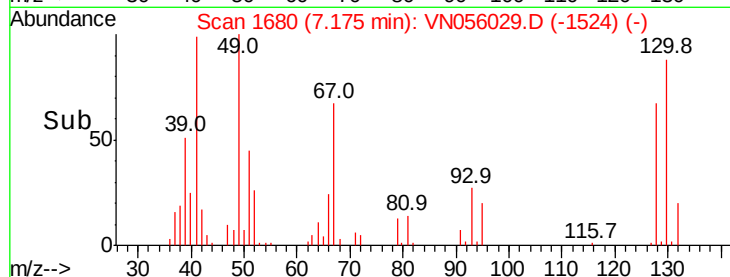
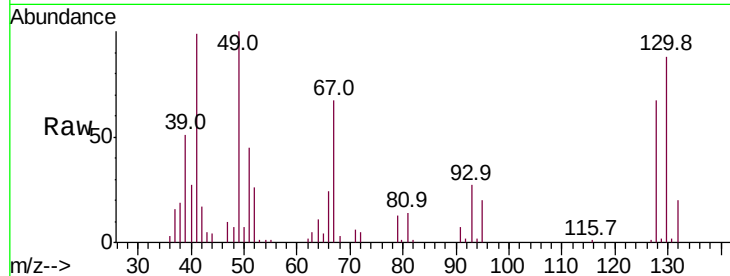
#35
Methacrylonitrile
Concen: 23.228 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	24.8	74.3	
67	67.7	34.3	102.9	
52	25.9	12.6	37.8	

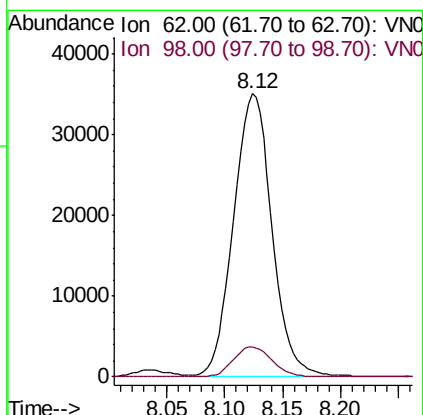
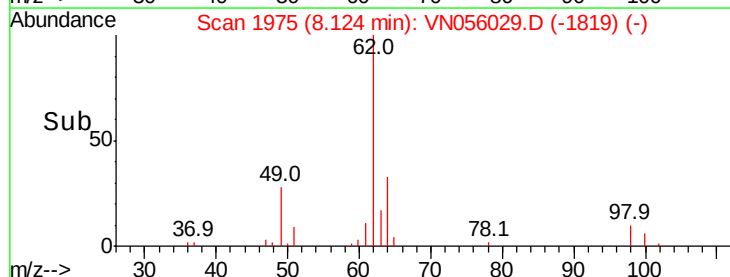
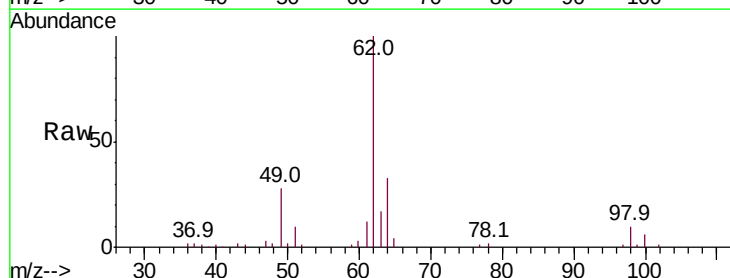
Manual Integrations
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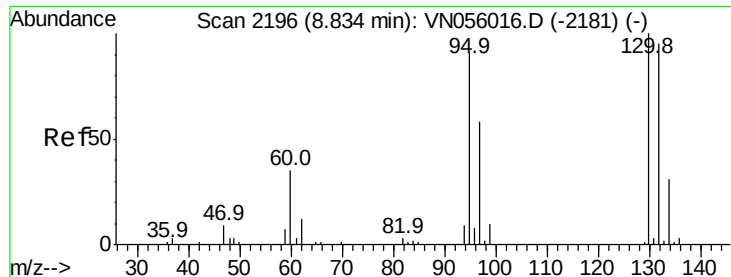
MMDadoda
6/6/2019 9:04:47 AM



#36
1,2-Dichloroethane
Concen: 20.783 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	8.6	13.0	





#37

Trichloroethene

Concen: 20.157 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Tot Ion:130 Resp: 70008

Ion Ratio Lower Upper

130 100

95 96.0 73.0 109.6

Instrument :

MSVOA_N

ClientSampleId :

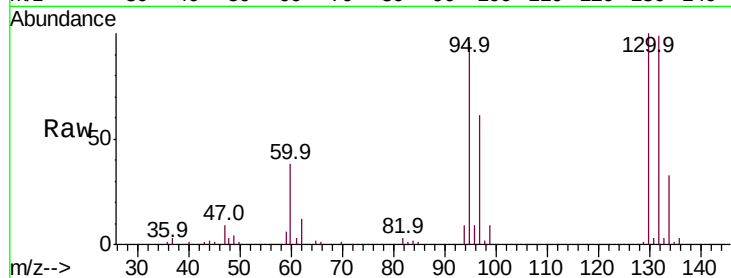
VSTDCCC020EC

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN056016.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN056016.D (-2181) (-)

8.83

30000

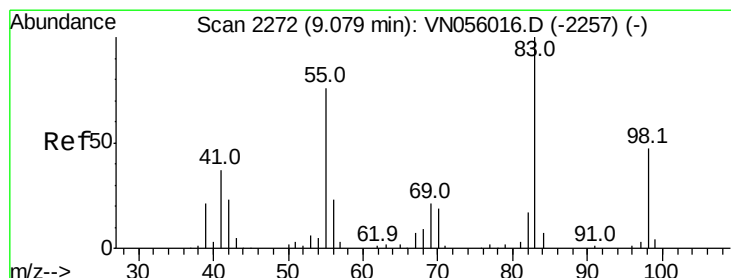
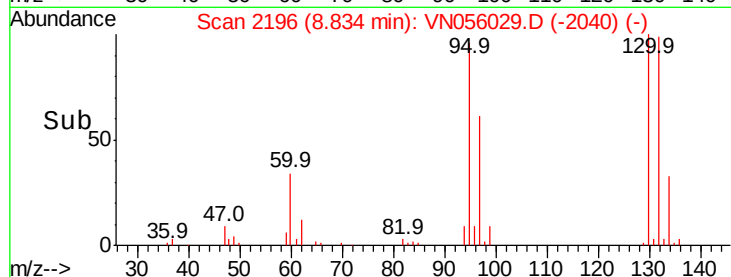
20000

10000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 19.521 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

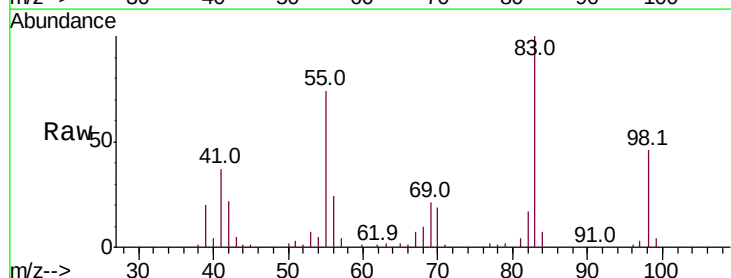
Tgt Ion: 83 Resp: 96400

Ion Ratio Lower Upper

83 100

55 73.5 37.5 112.7

98 47.0 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VN056016.D (-2257) (-)

Ion 55.00 (54.70 to 55.70): VN056016.D (-2257) (-)

Ion 98.00 (97.70 to 98.70): VN056016.D (-2257) (-)

9.08

60000

50000

40000

30000

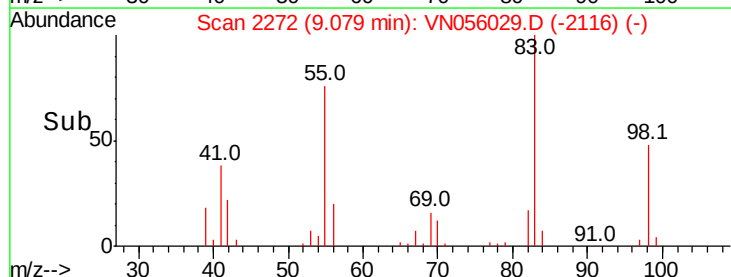
20000

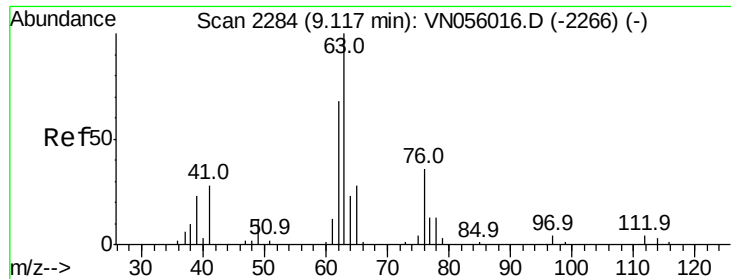
10000

0

9.00 9.10 9.20

Time-->





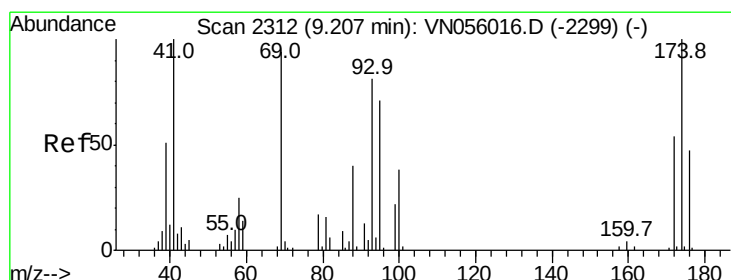
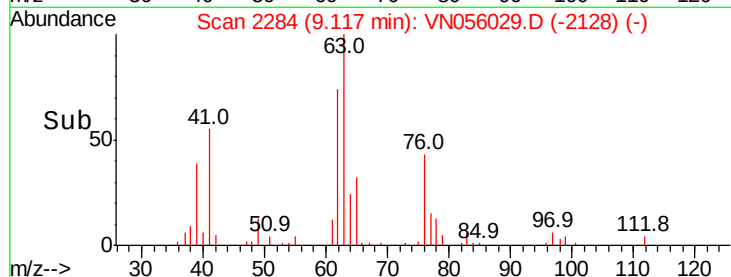
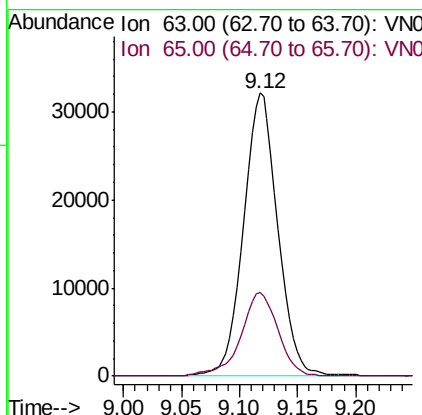
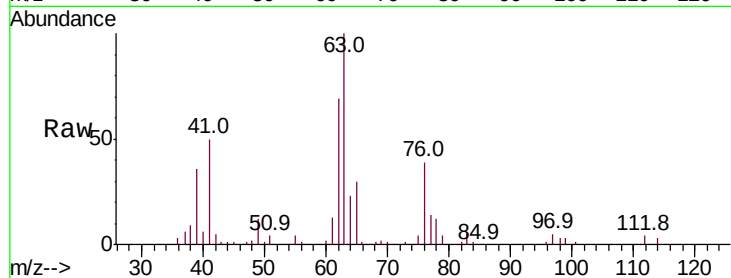
#39
1,2-Dichloropropane
Concen: 20.780 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 63 Resp: 66056
Ion Ratio Lower Upper
63 100
65 29.6 23.1 34.7

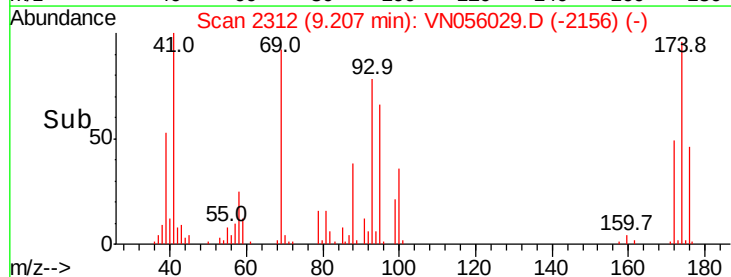
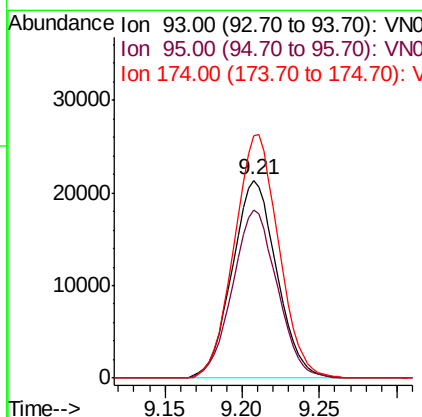
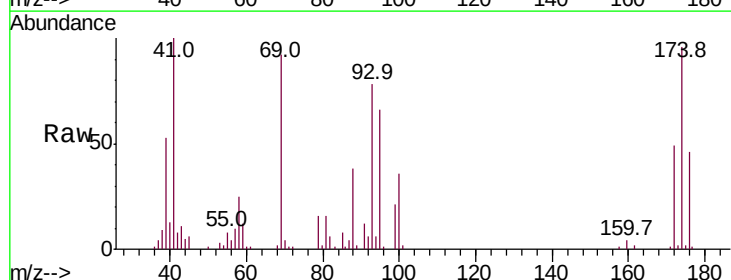
Manual Integrations
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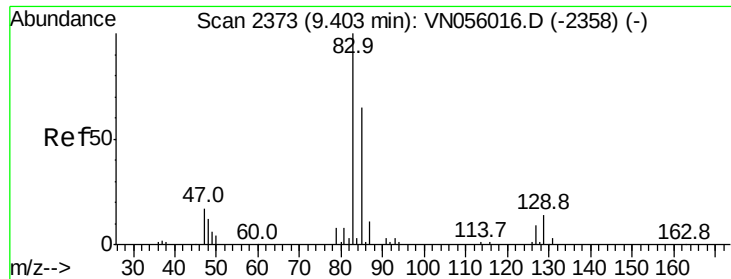
MMDadoda
6/6/2019 9:04:47 AM



#40
Dibromomethane
Concen: 20.303 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 93 Resp: 42791
Ion Ratio Lower Upper
93 100
95 84.9 0.0 169.0
174 123.0 0.0 246.4





#41

Bromodichloromethane

Concen: 19.654 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

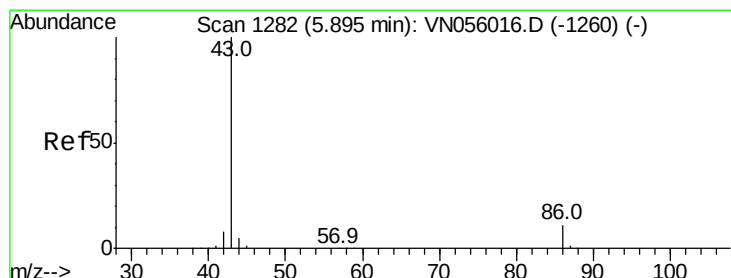
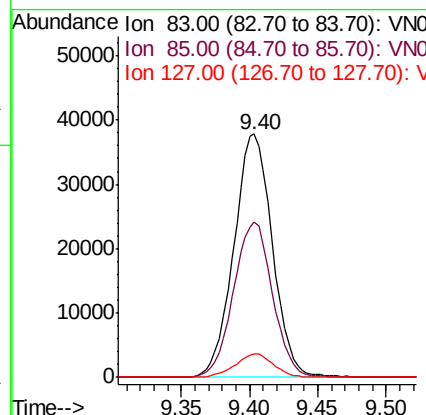
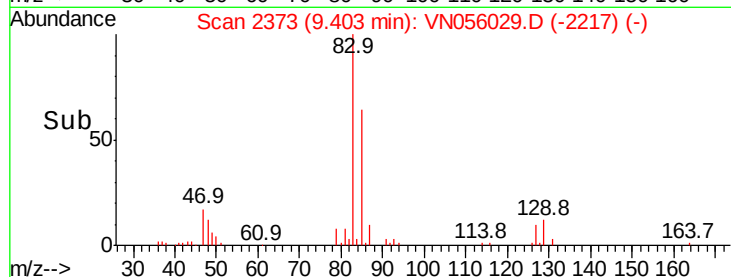
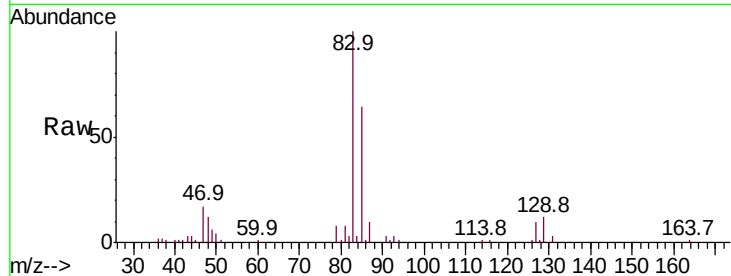
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	74176
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	9.7	7.3	10.9

Manual Integrations
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MMDadoda
6/6/2019 9:04:47 AM



#42

Vinyl Acetate

Concen: 100.531 ug/l

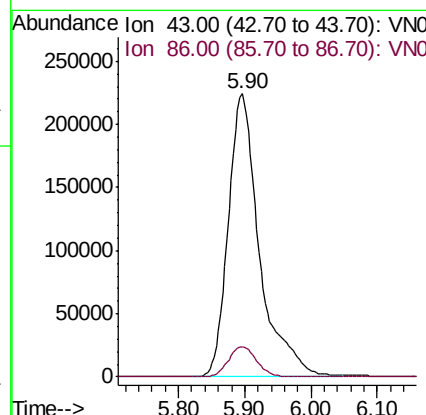
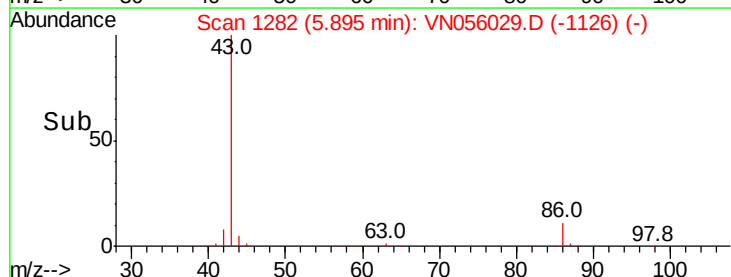
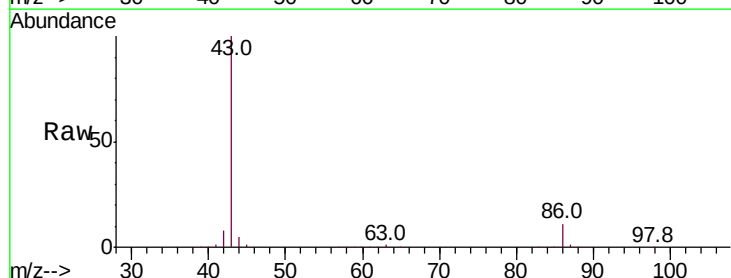
RT: 5.90 min Scan# 1282

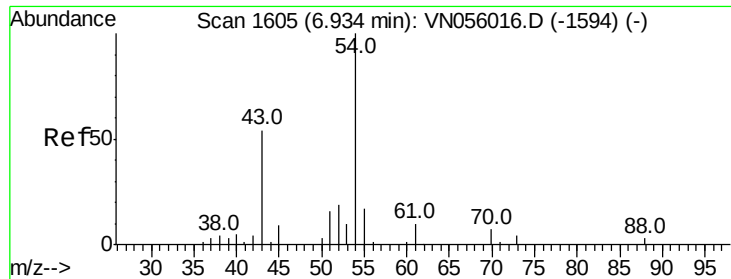
Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Tgt Ion:	43	Resp:	734990
Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.9	11.9





#43

Ethyl Acetate

Concen: 20.149 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 79080

Ion Ratio Lower Upper

43 100

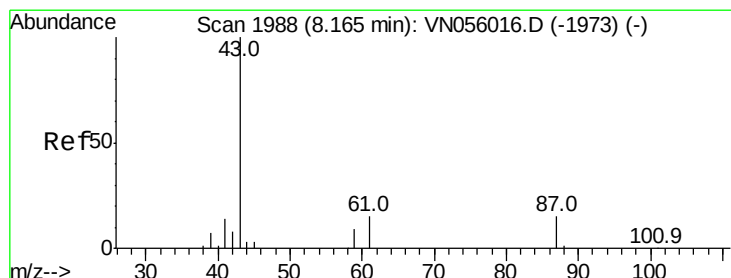
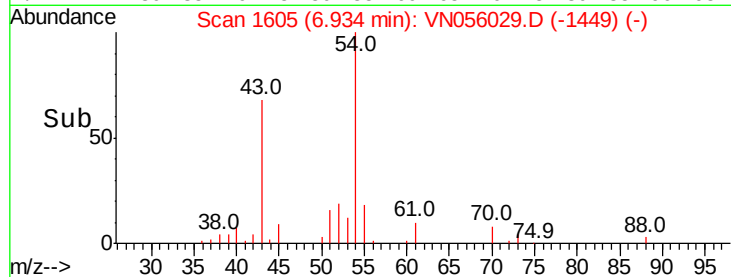
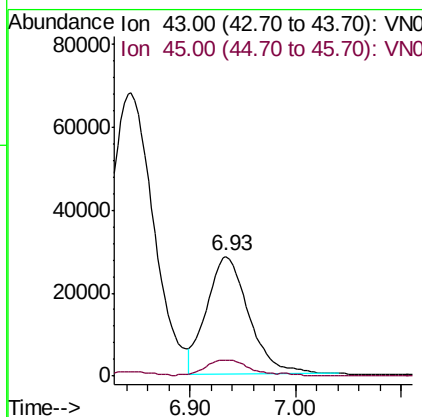
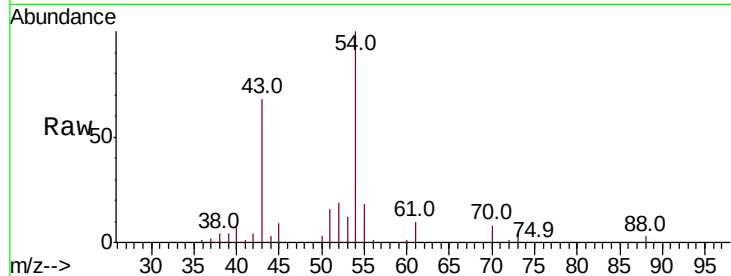
45 12.1 12.3 18.5#

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#44

Isopropyl Acetate

Concen: 19.689 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056029.D

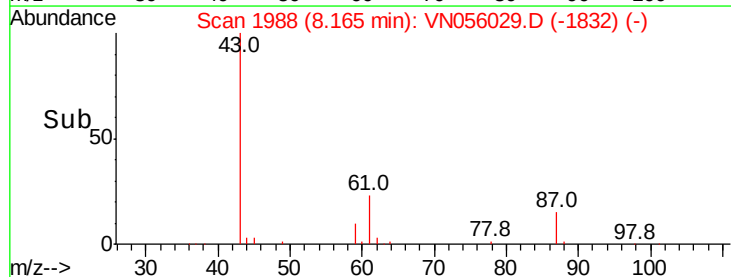
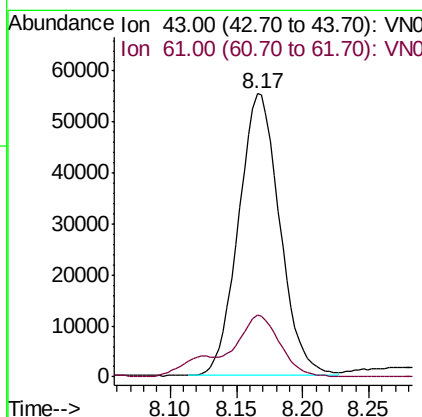
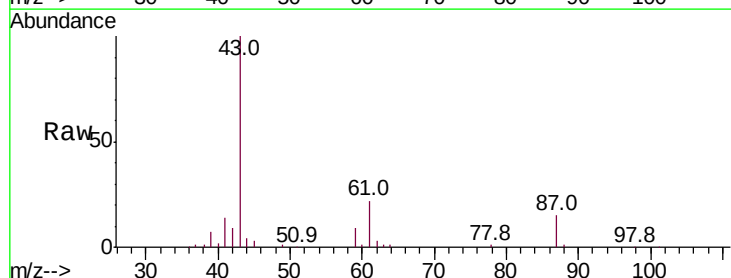
Acq: 6 Jun 2019 1:33

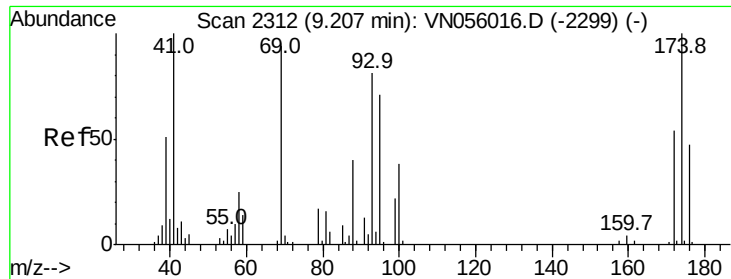
Tgt Ion: 43 Resp: 119981

Ion Ratio Lower Upper

43 100

61 21.1 16.9 25.3





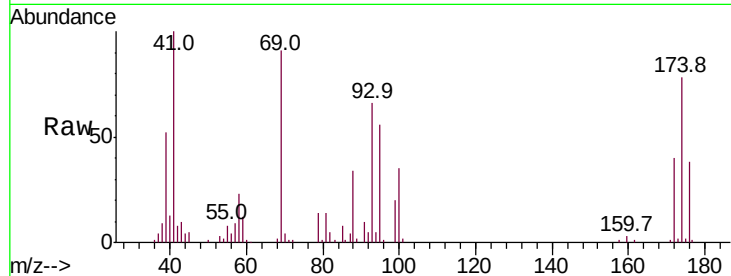
#45
1,4-Dioxane
Concen: 390.382 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

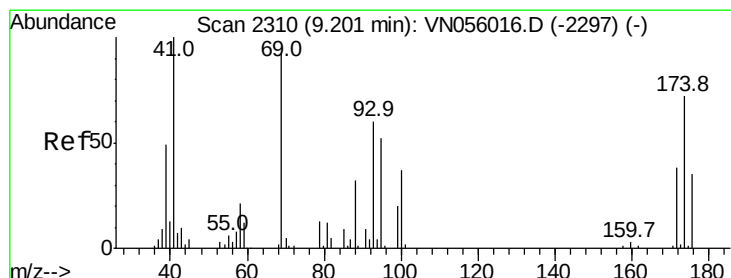
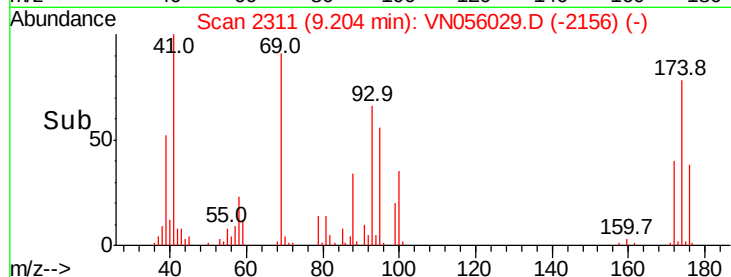
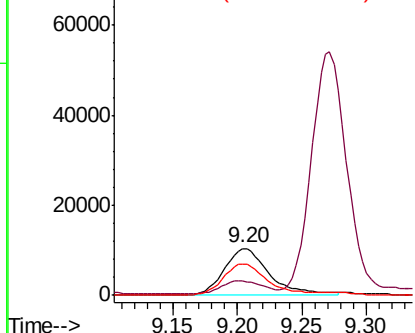
Tot Ion	88	Resp	25448
Ion	Ratio	Lower	Upper
88	100		
43	26.3	19.8	29.6
58	66.5	48.5	72.7

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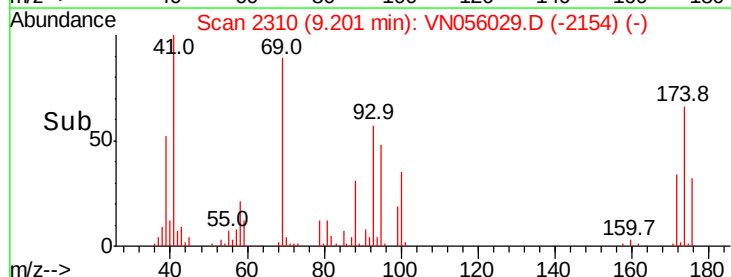
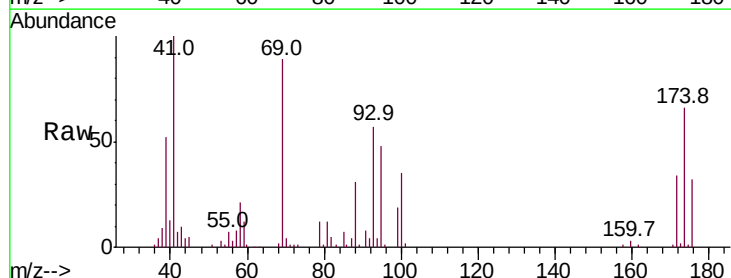
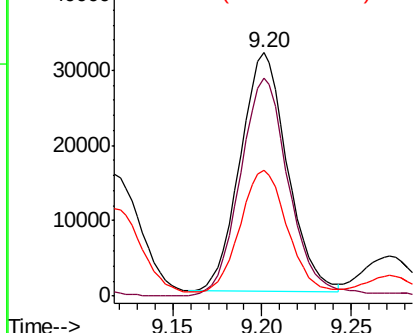
Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

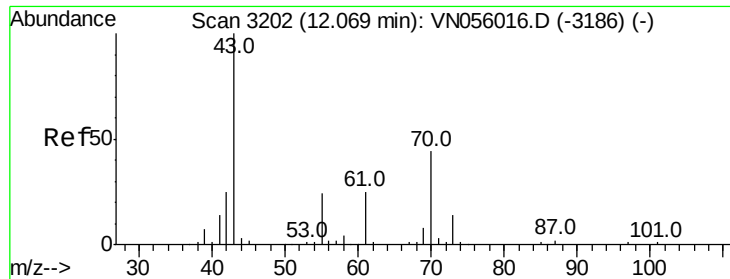


#46
Methyl methacrylate
Concen: 19.314 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	41	Resp	58470
Ion	Ratio	Lower	Upper
41	100		
69	91.4	46.0	137.8
39	51.0	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: 19.416 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 97849

Ion Ratio Lower Upper

43 100

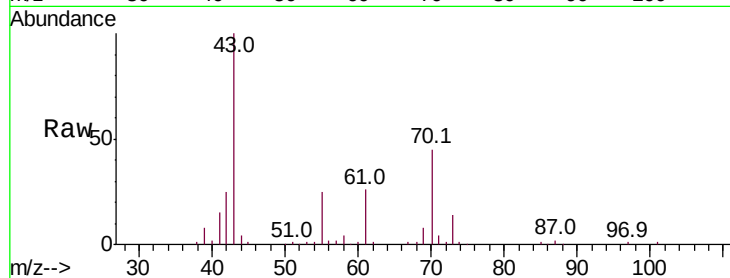
55 25.3 19.0 28.6

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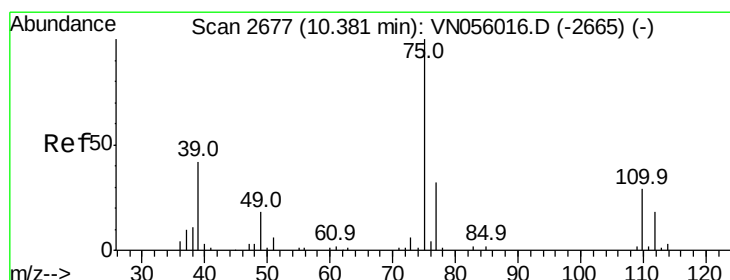
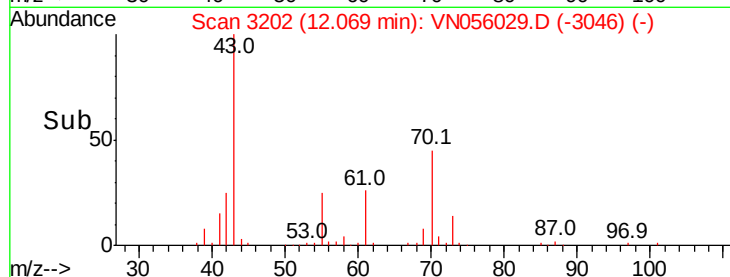
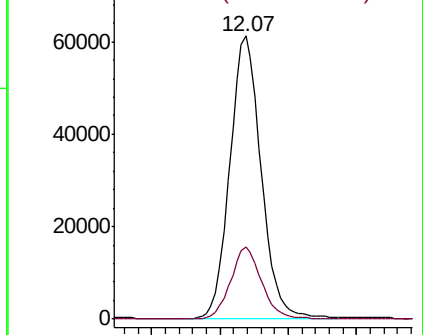
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.034 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056029.D

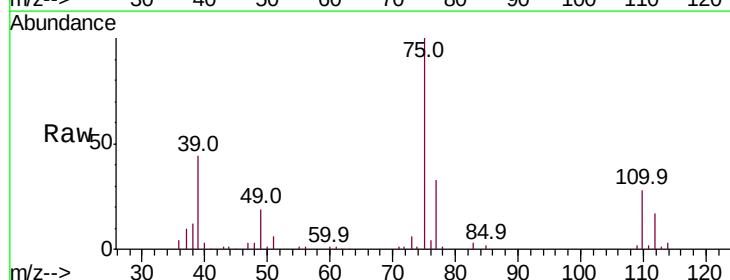
Acq: 6 Jun 2019 1:33

Tgt Ion: 75 Resp: 71625

Ion Ratio Lower Upper

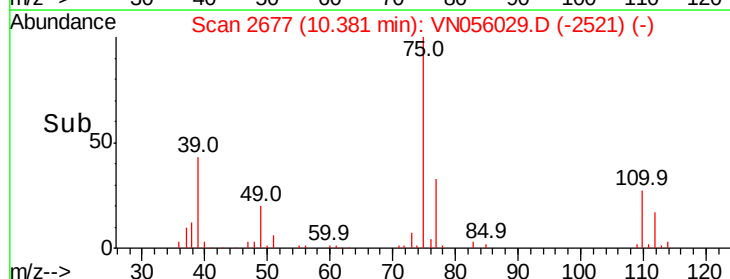
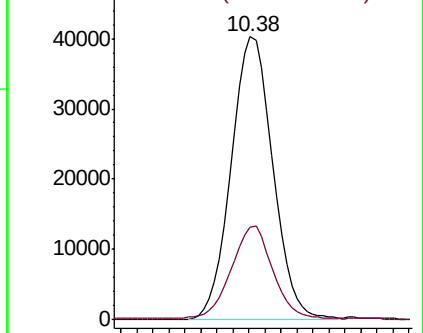
75 100

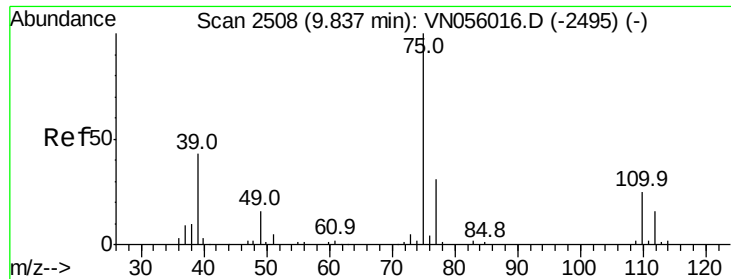
77 32.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

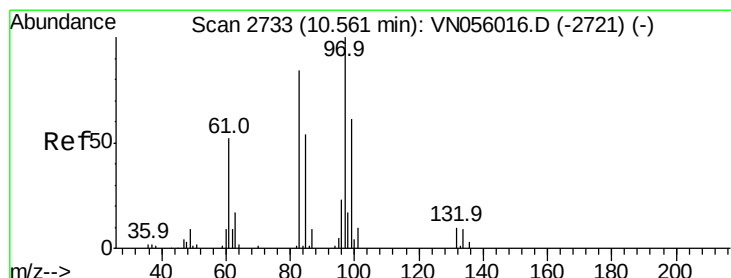
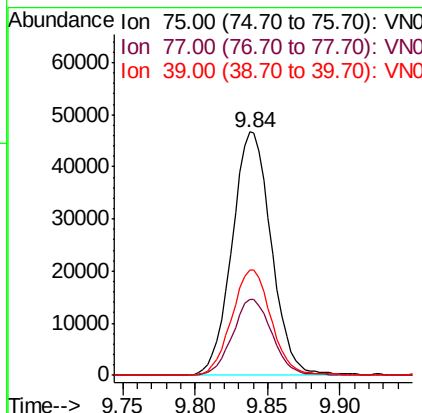
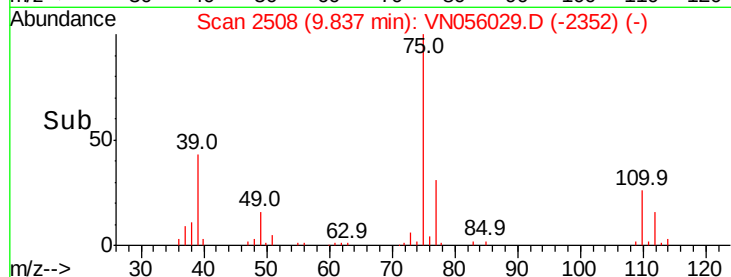
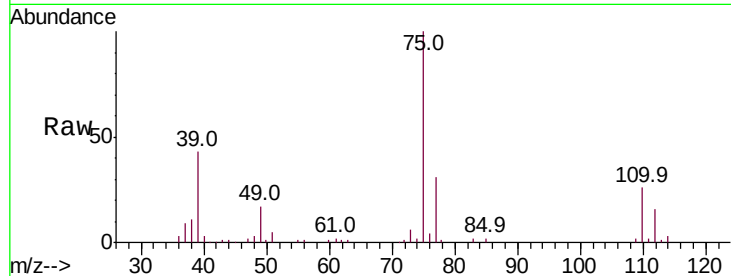
cis-1,3-Dichloropropene
 Concen: 18.851 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	43.4	34.3	51.5

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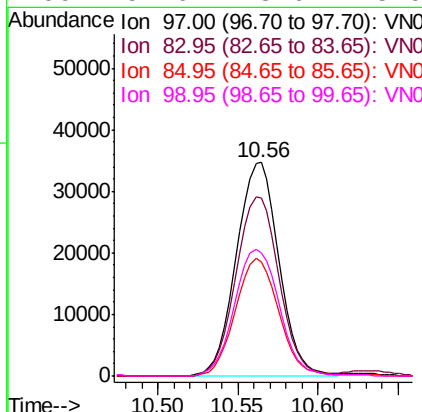
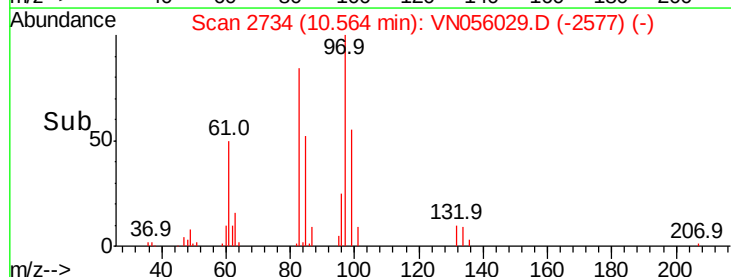
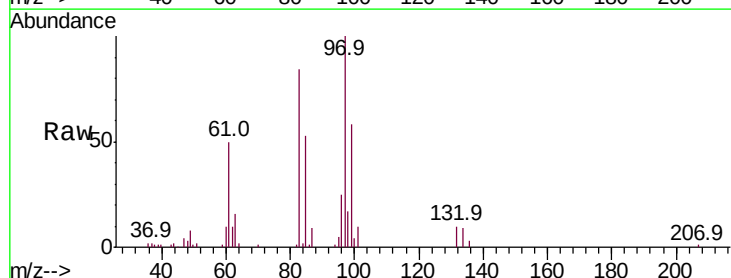
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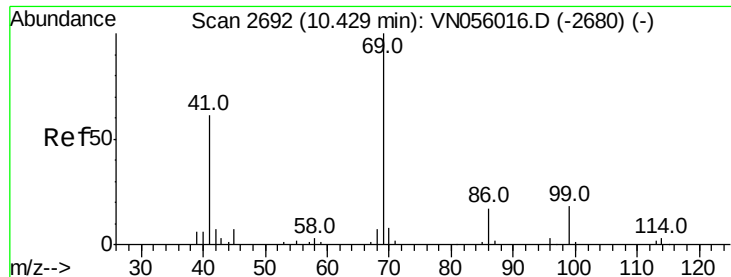


#50

1,1,2-Trichloroethane
 Concen: 20.086 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.9	100.3
85	53.4	43.3	64.9
99	57.6	48.6	73.0





#51

Ethyl methacrylate

Concen: 19.860 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

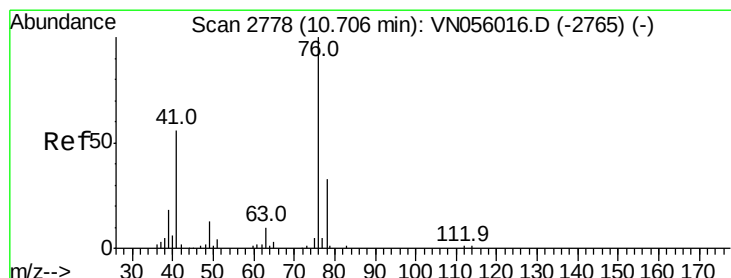
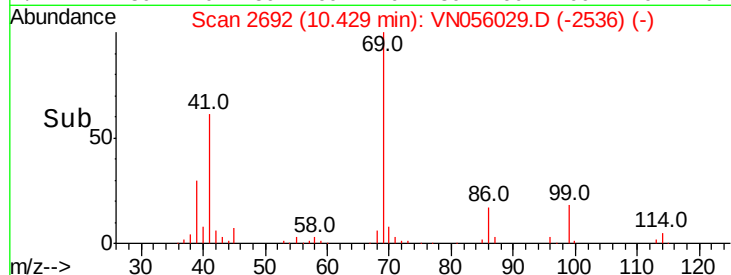
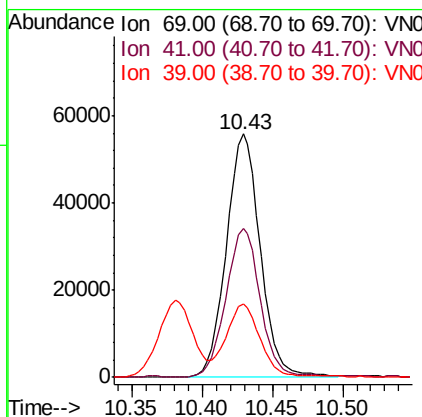
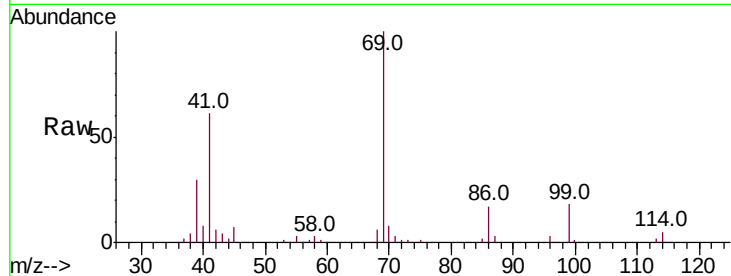
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	94057
Ion Ratio	Lower	Upper	
69	100		
41	60.9	30.8	92.3
39	29.6	14.5	43.6

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#52

1,3-Dichloropropane

Concen: 20.370 ug/l

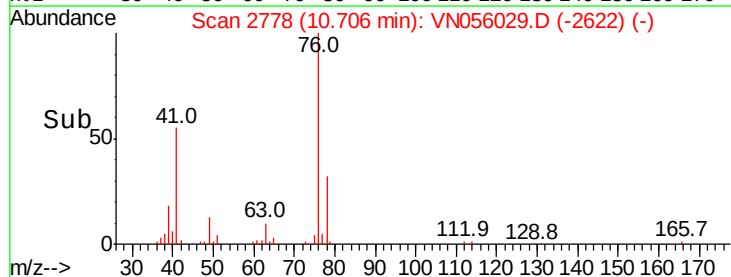
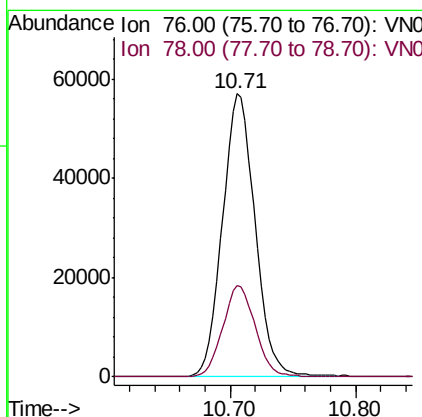
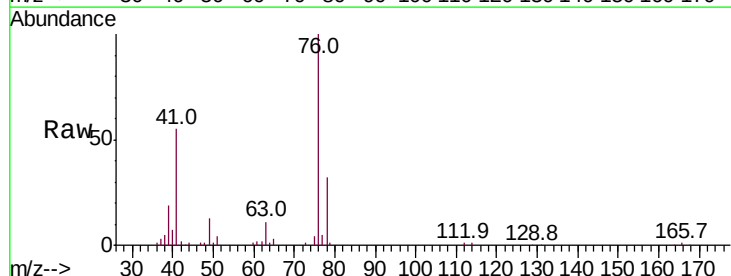
RT: 10.71 min Scan# 2778

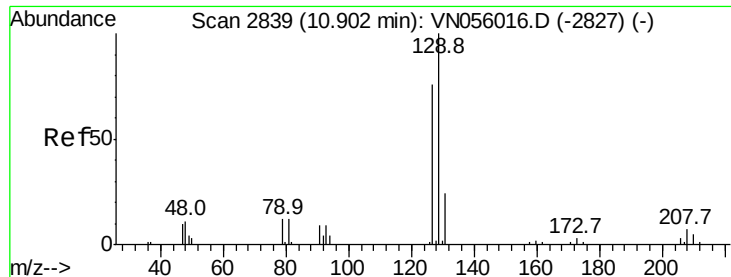
Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Tgt Ion:	76	Resp:	103380
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	63.4





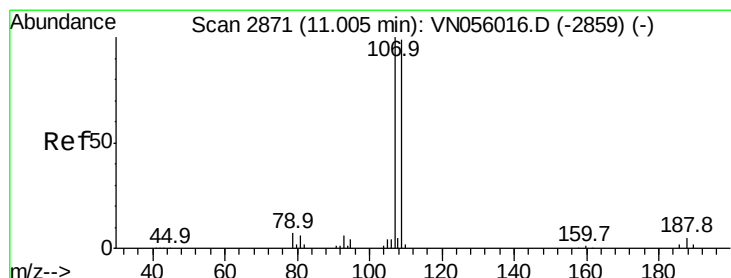
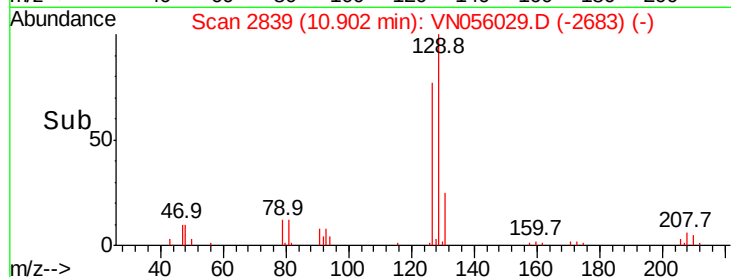
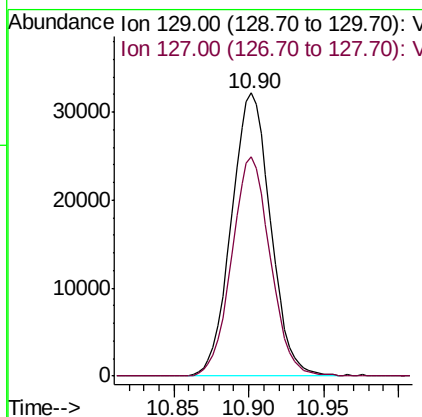
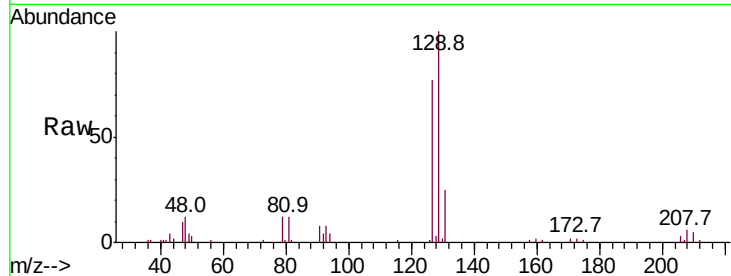
#53
Dibromochloromethane
Concen: 19.141 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 58658
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.5

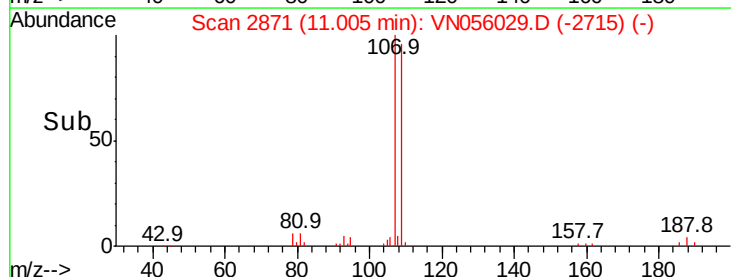
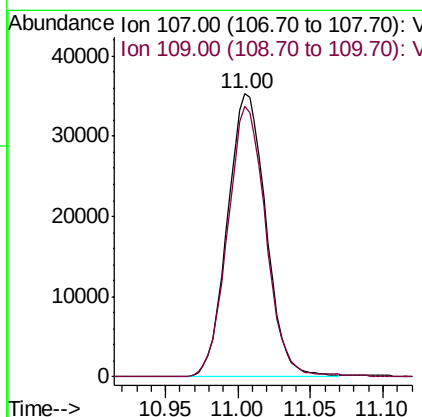
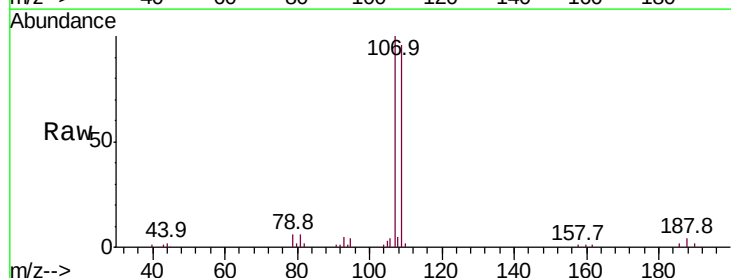
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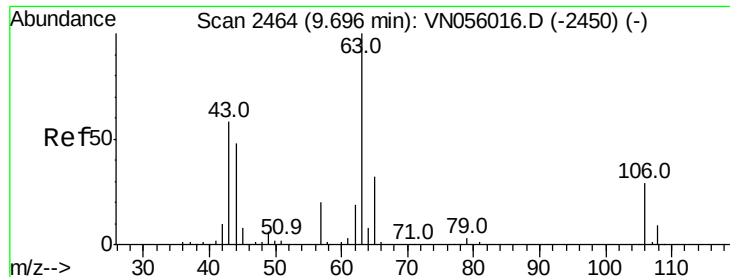
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#54
1,2-Dibromoethane
Concen: 19.916 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion:107 Resp: 65061
Ion Ratio Lower Upper
107 100
109 95.3 76.8 115.2





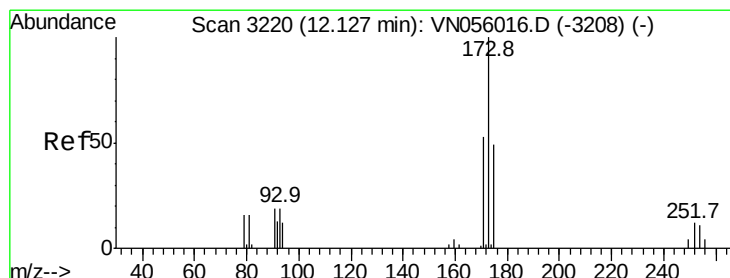
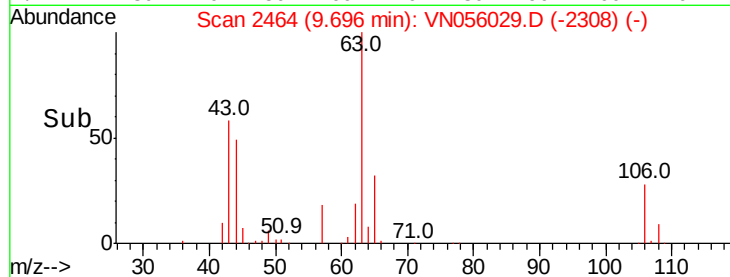
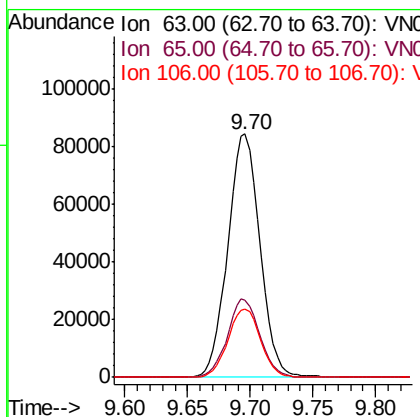
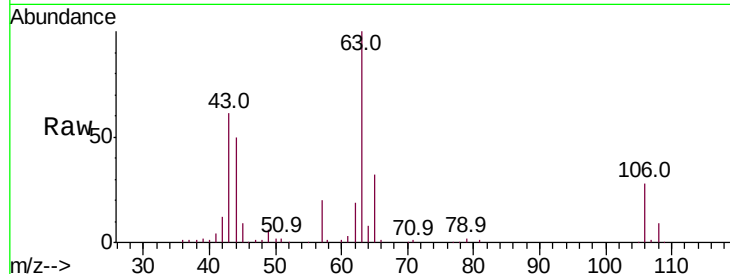
#55
2-Chloroethyl vinyl ether
Concen: 90.709 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.5	38.3
106	28.5	23.0	34.4

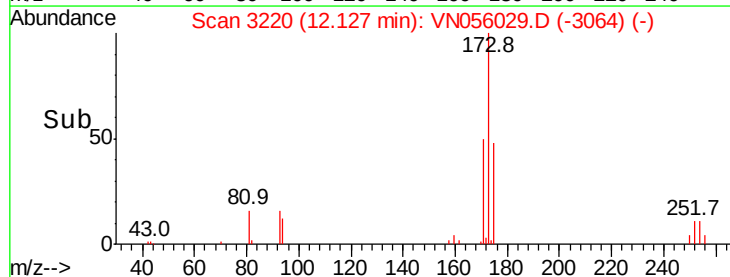
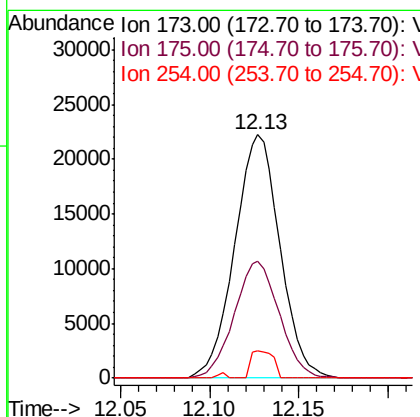
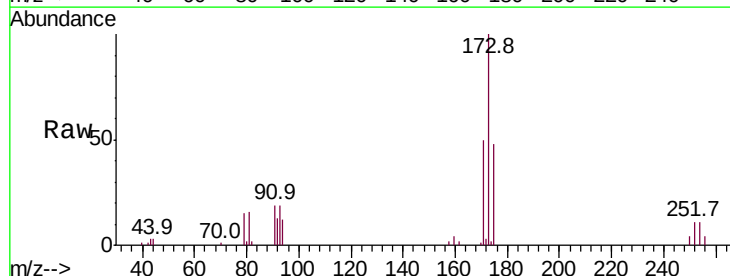
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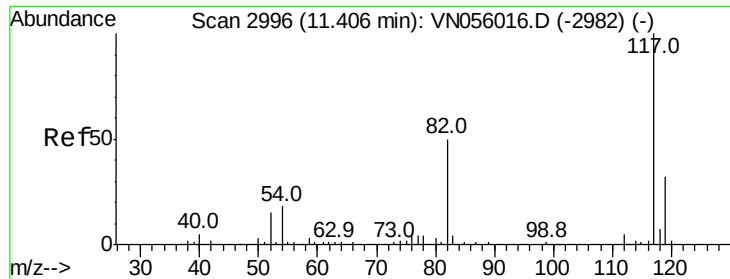
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#56
Bromoform
Concen: 17.785 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.7	58.1
254	5.5	6.6	9.8#





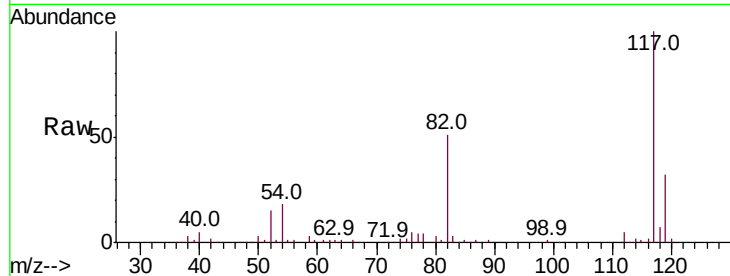
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

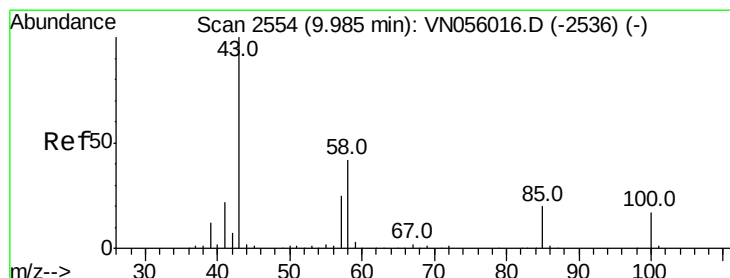
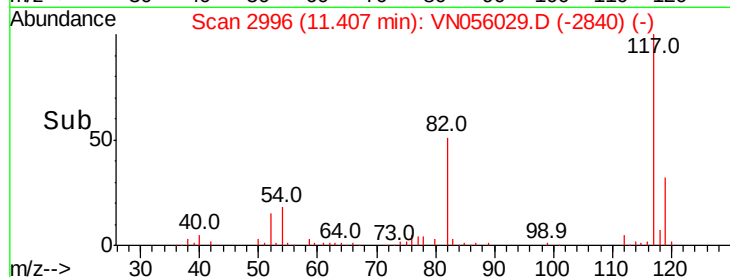
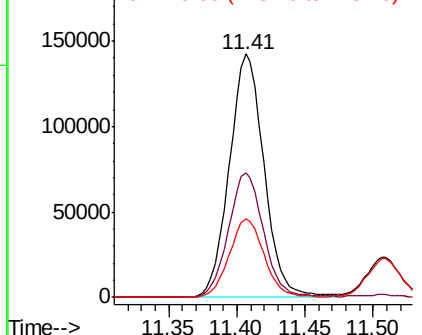
Tot Ion	Ratio	Resp	Lower	Upper
117	100	252398		
82	51.8	41.2	61.8	
119	32.4	26.2	39.2	

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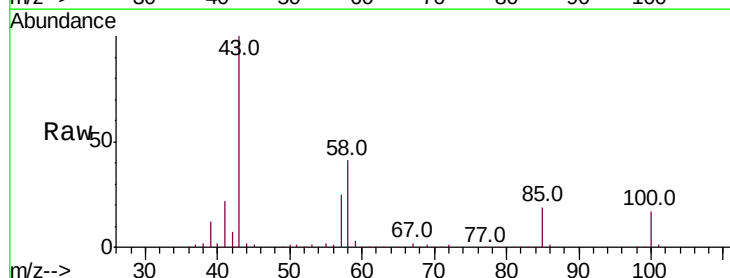


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

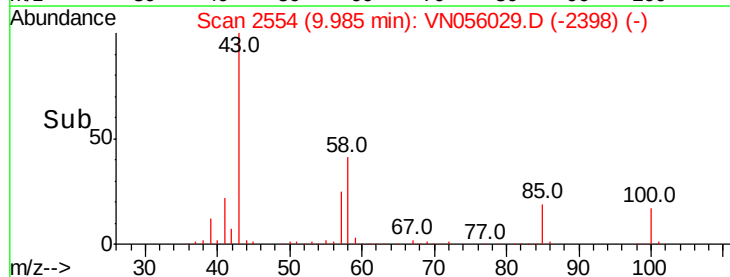
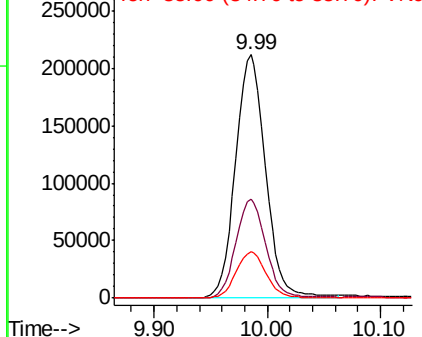


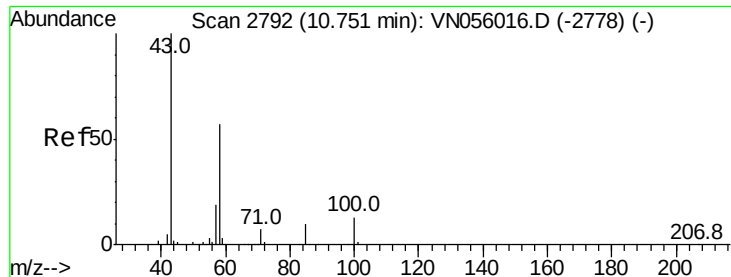
#58
4-Methyl-2-Pentanone
Concen: 102.609 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	392166		
58	40.7	33.1	49.7	
85	19.3	15.5	23.3	



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





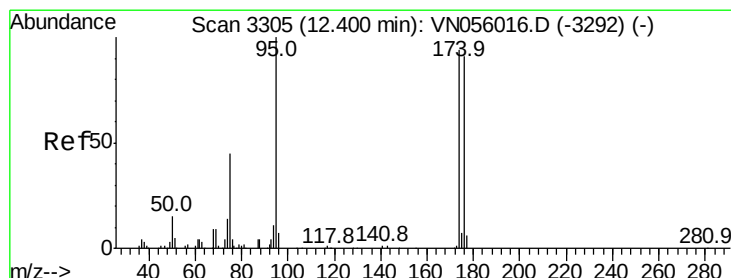
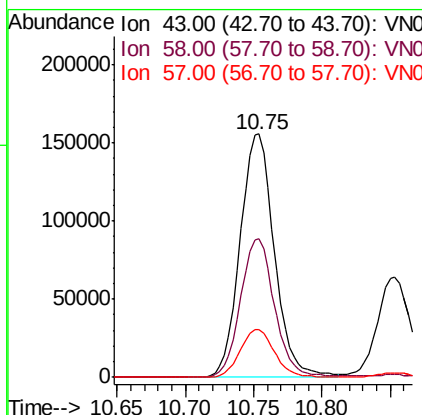
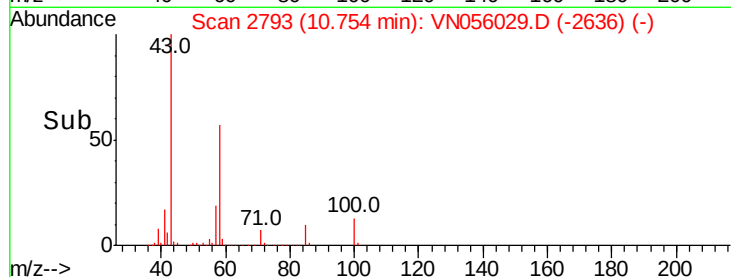
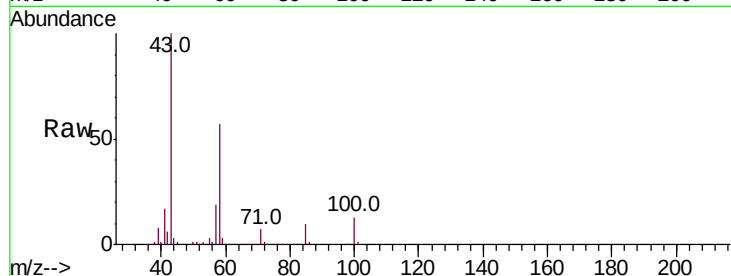
#59
2-Hexanone
Concen: 99.419 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.1	45.3	67.9
57	19.8	15.6	23.4

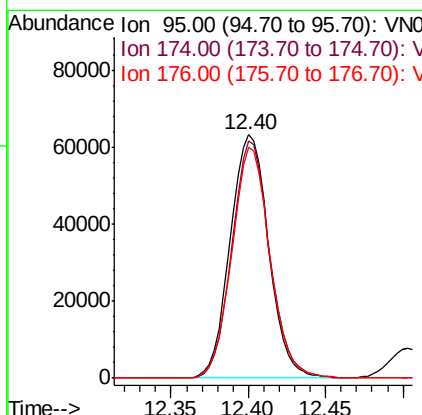
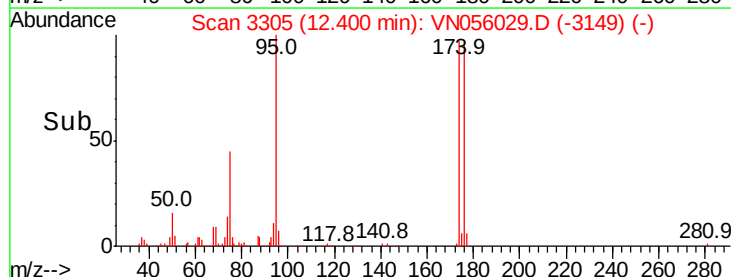
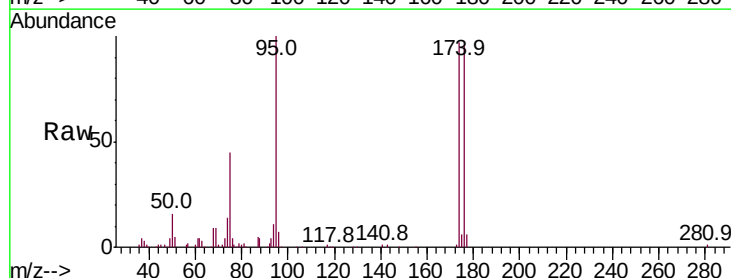
Manual Integrations
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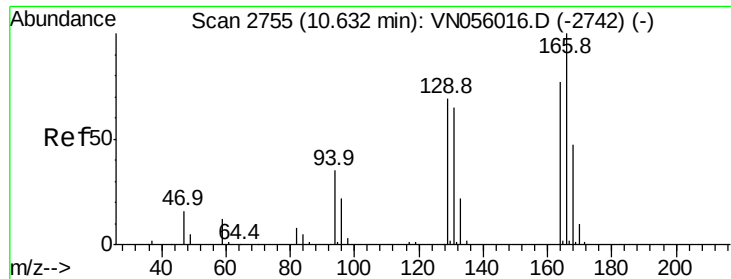
MMDadoda
6/6/2019 9:04:47 AM



#60
4-Bromofluorobenzene
Concen: 29.186 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.9	75.4	113.0
176	93.3	73.9	110.9





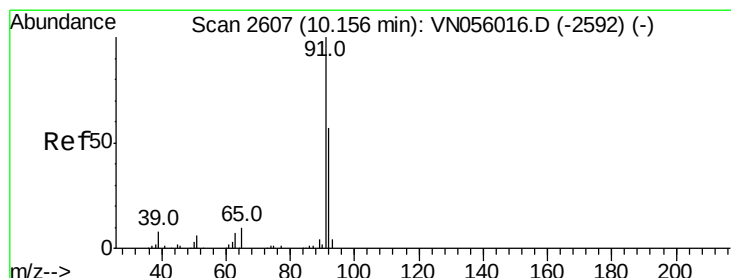
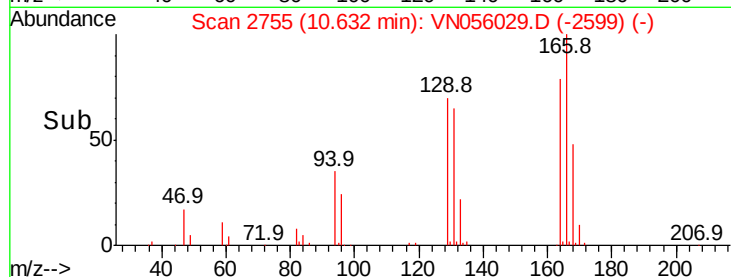
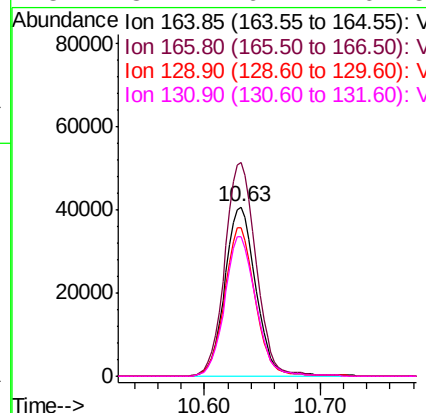
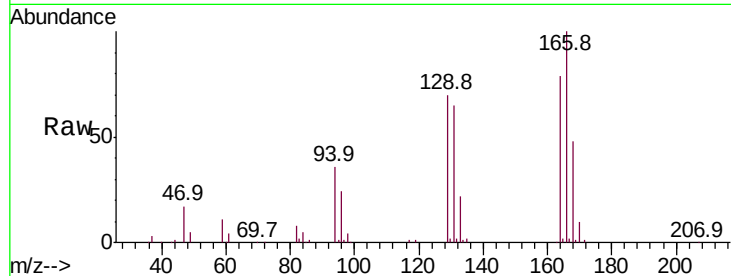
#61
Tetrachloroethene
Concen: 21.350 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.8	104.3	156.5
129	88.0	71.5	107.3
131	82.2	67.7	101.5

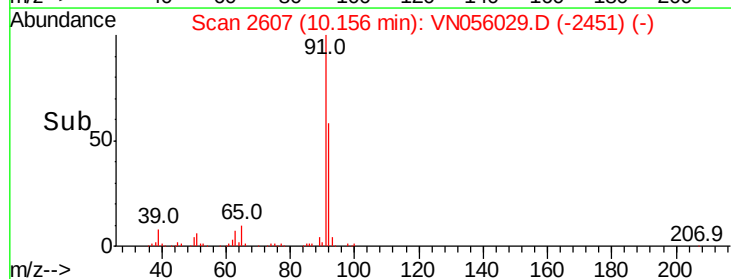
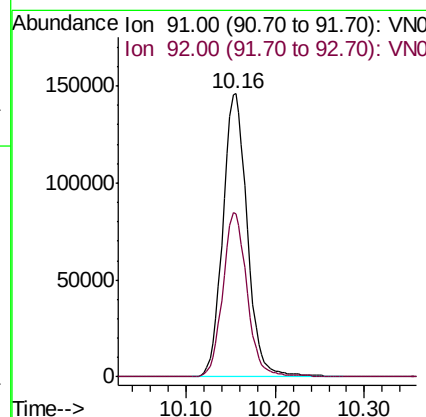
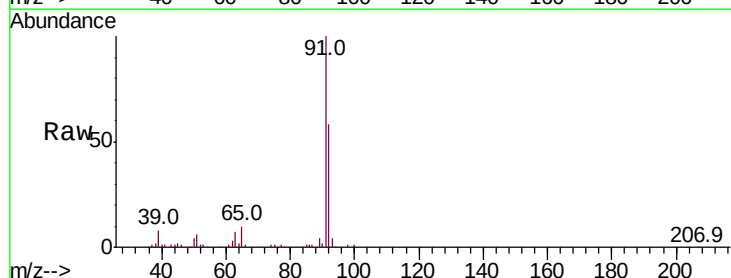
Manual Integrations
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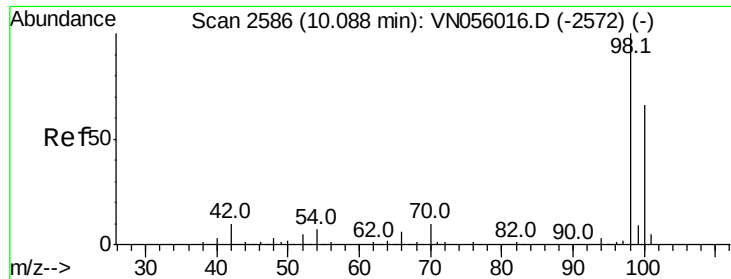
MMDadoda
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#62
Toluene
Concen: 20.390 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.0	45.5	68.3





#63

Toluene-d8

Concen: 30.409 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 348166

Ion Ratio Lower Upper

98 100

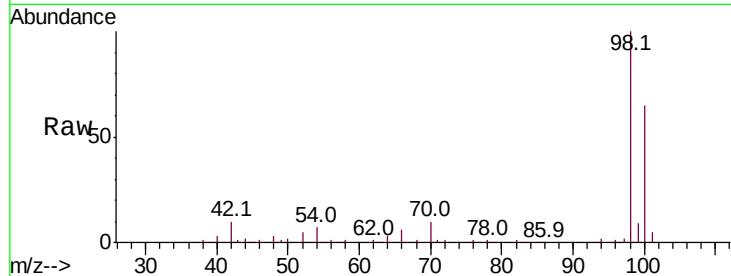
100 64.9 52.2 78.4

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

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

10.09

200000

150000

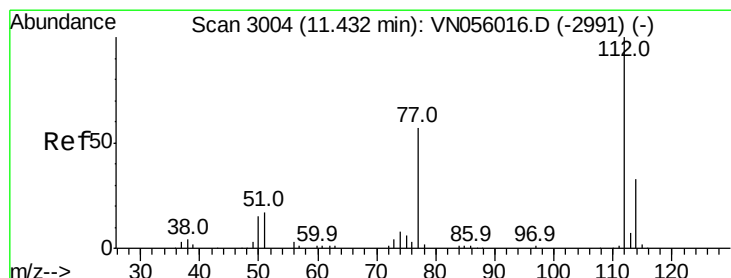
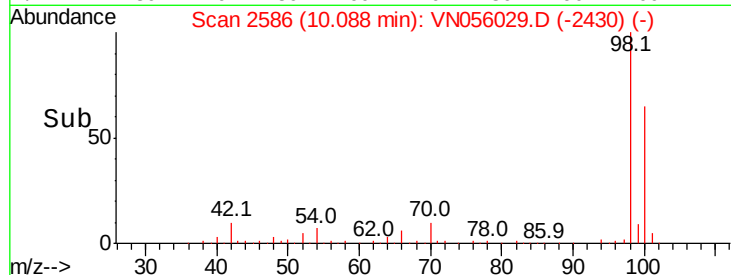
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 20.195 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056029.D

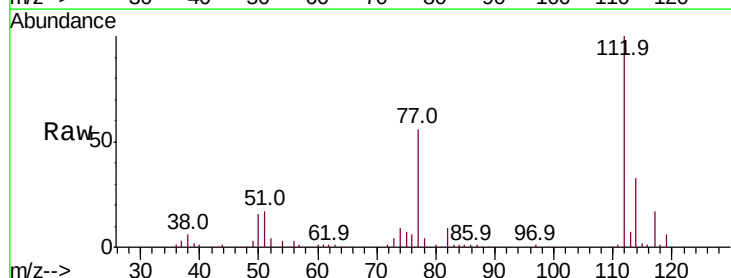
Acq: 6 Jun 2019 1:33

Tgt Ion: 112 Resp: 166907

Ion Ratio Lower Upper

112 100

114 32.6 26.1 39.1



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

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

11.43

100000

80000

60000

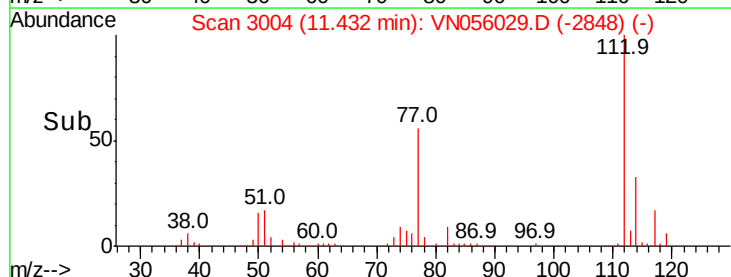
40000

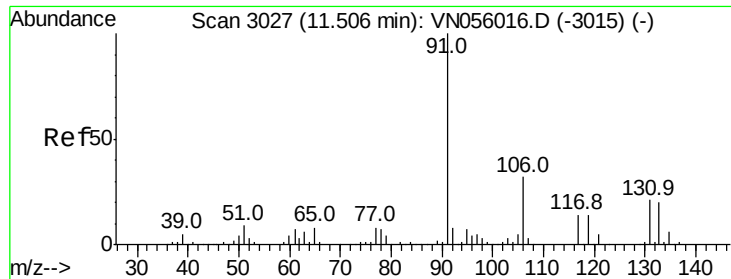
20000

0

11.40 11.50

Time-->





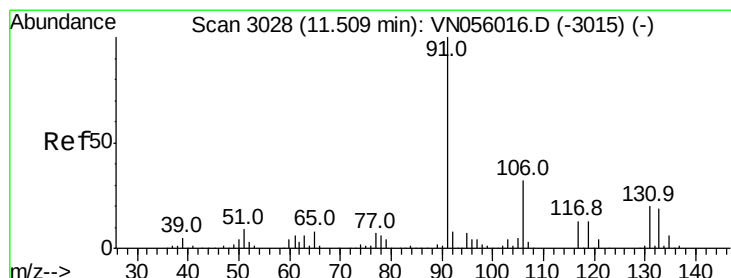
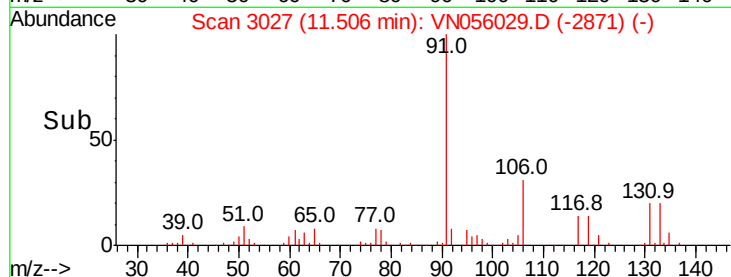
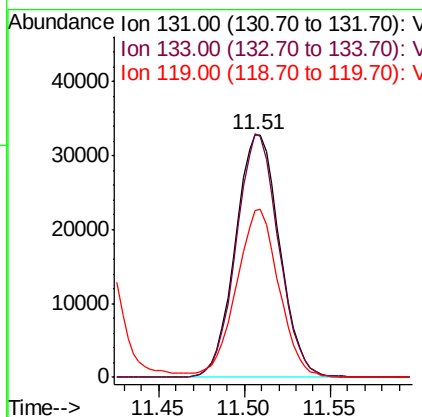
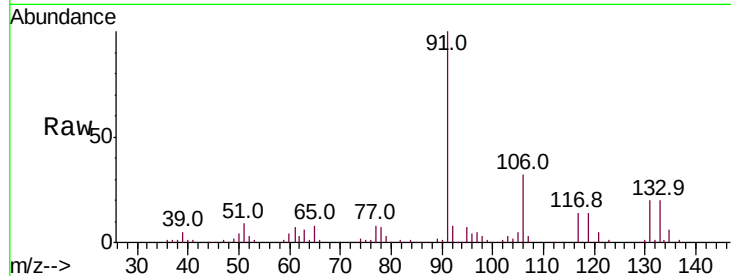
#65
1,1,1,2-Tetrachloroethane
Concen: 19.691 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
131	100	58682		
133	96.7	0.0	193.8	
119	67.2	0.0	134.4	

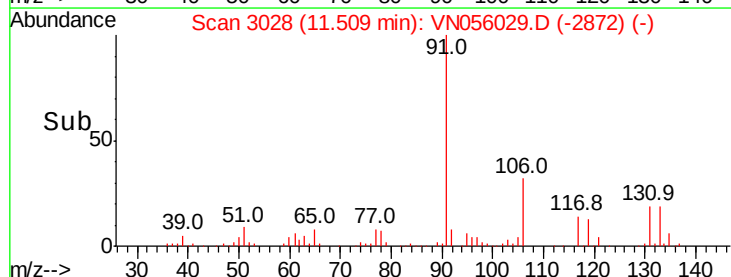
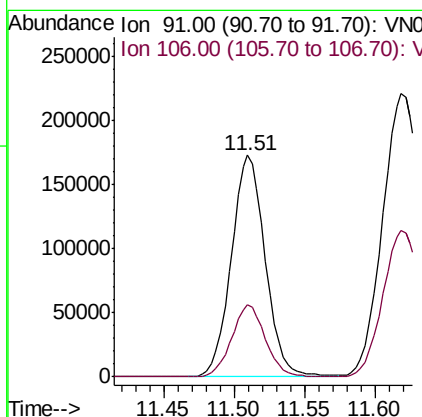
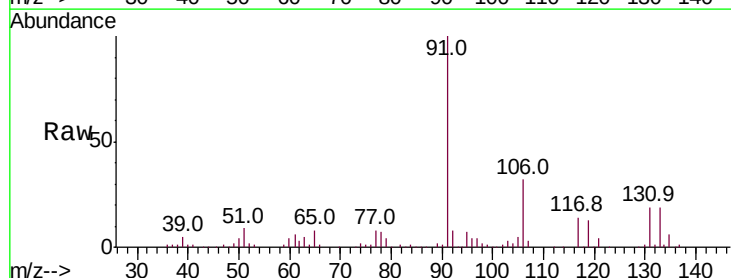
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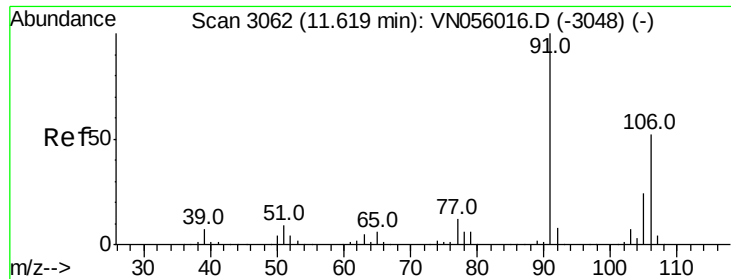
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#66
Ethyl Benzene
Concen: 20.083 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	291448		
106	32.4	25.7	38.5	





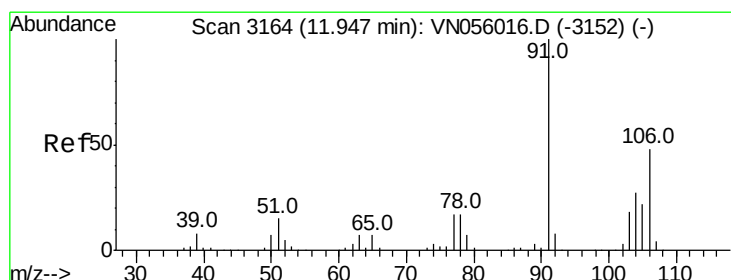
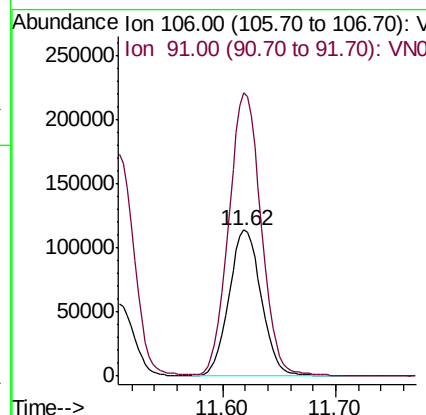
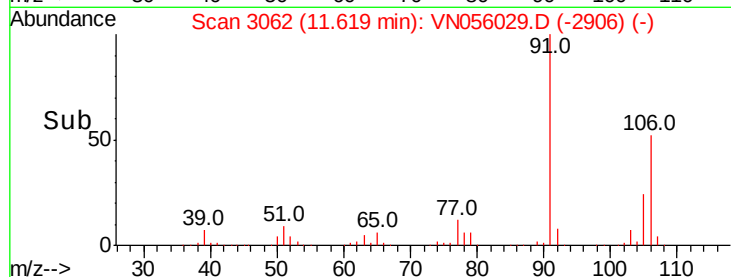
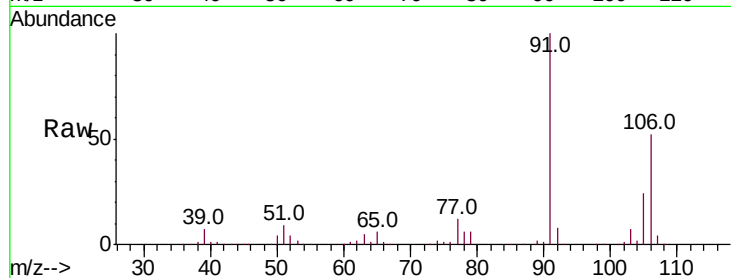
#67
m/p-Xylenes
Concen: 40.823 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 226762
Ion Ratio Lower Upper
106 100
91 194.9 155.7 233.5

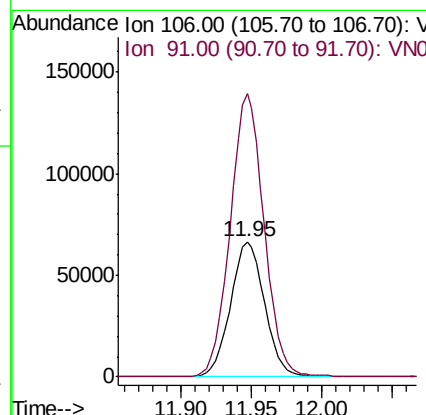
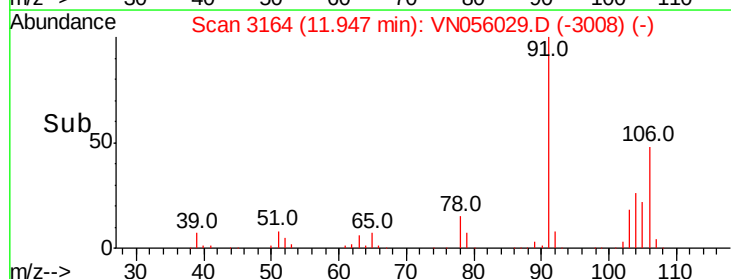
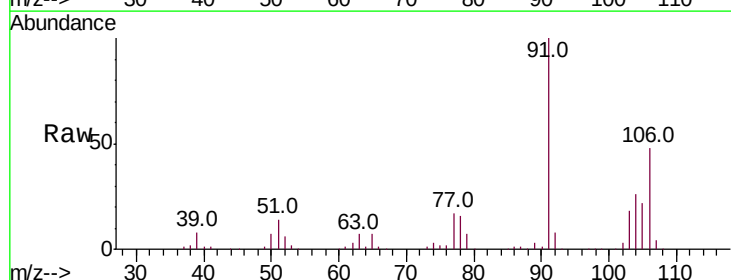
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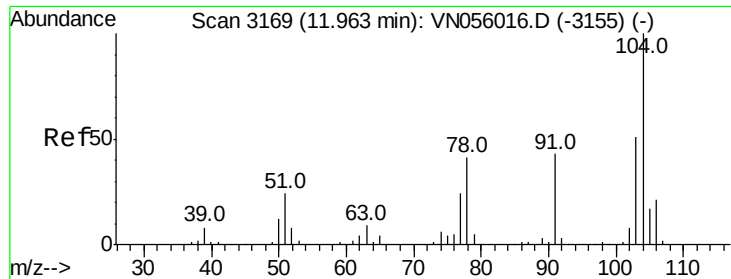
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#68
o-Xylene
Concen: 20.707 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion:106 Resp: 112605
Ion Ratio Lower Upper
106 100
91 207.3 103.9 311.7





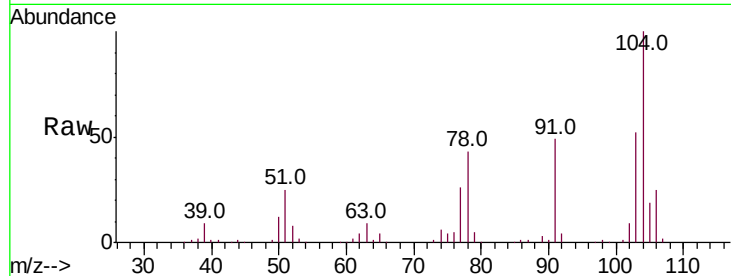
#69
Stvrene
Concen: 19.901 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

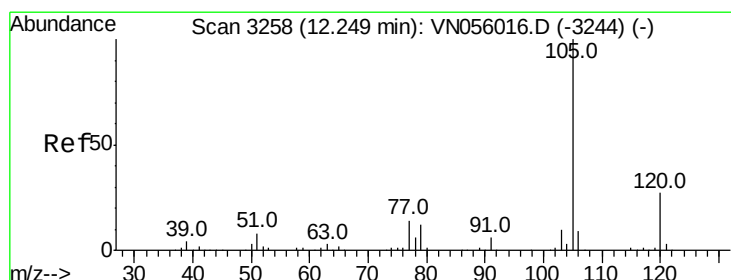
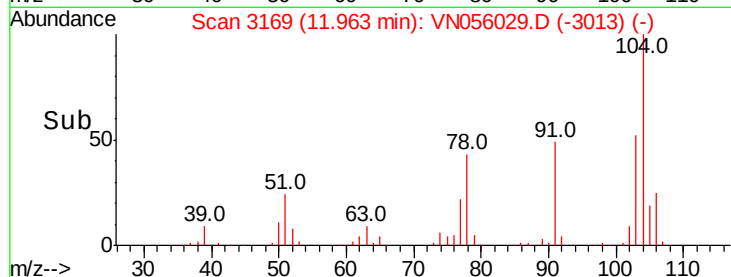
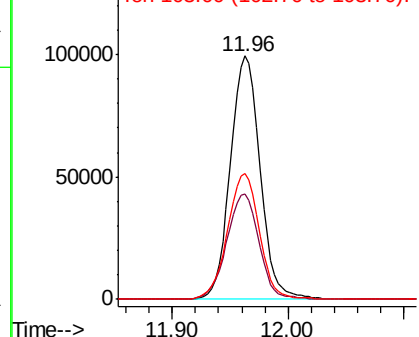
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.1	37.0	55.6
103	55.6	44.4	66.6

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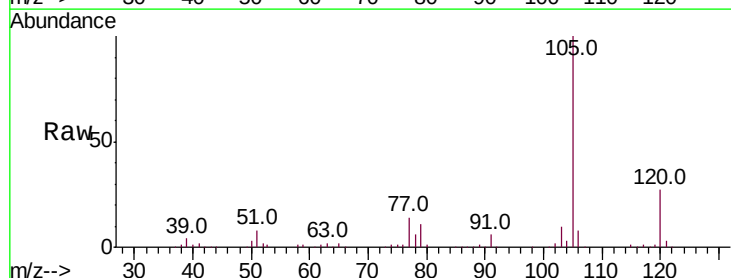


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

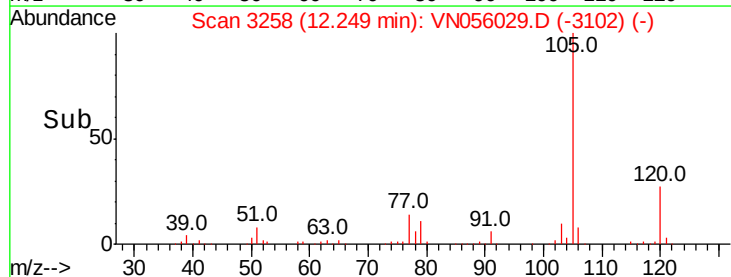
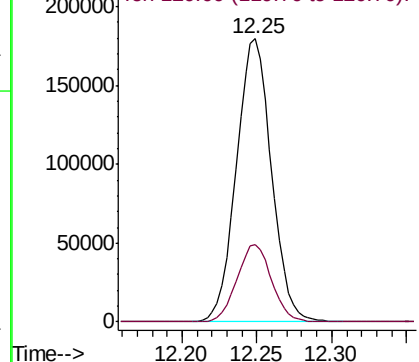


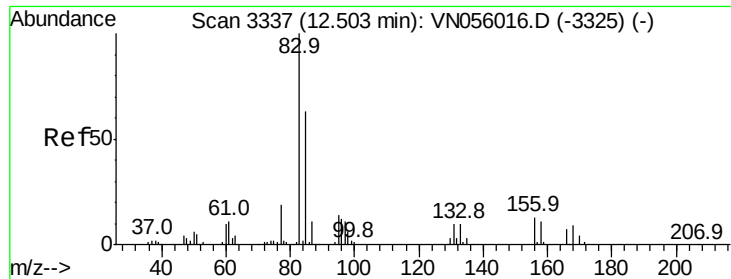
#70
Isopropylbenzene
Concen: 20.602 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.3	35.8



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





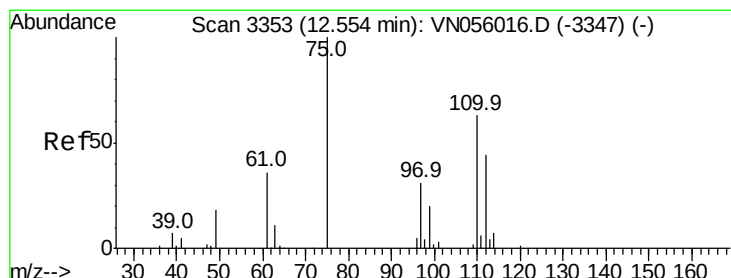
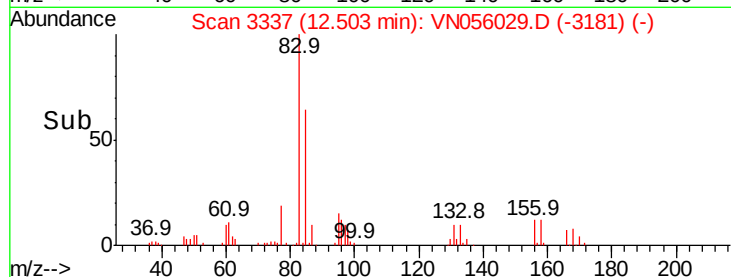
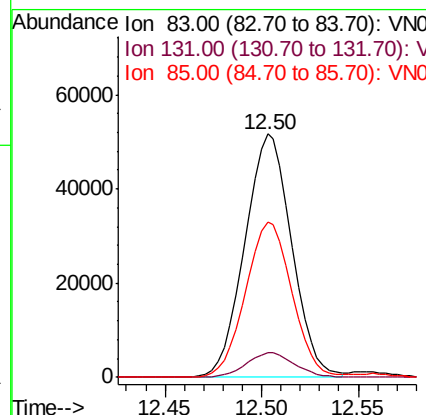
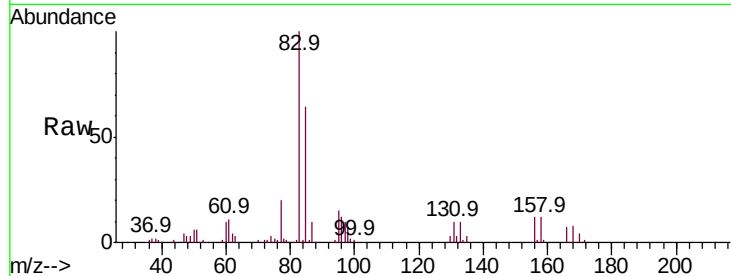
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.293 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	63.3	31.6	94.7

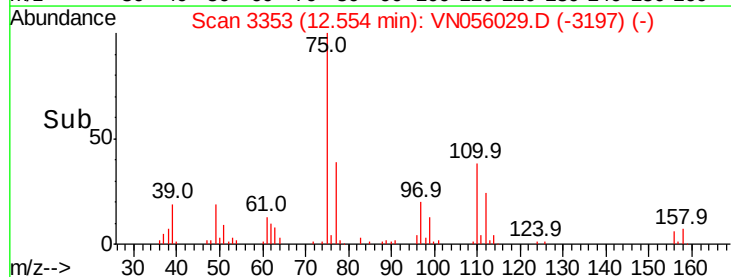
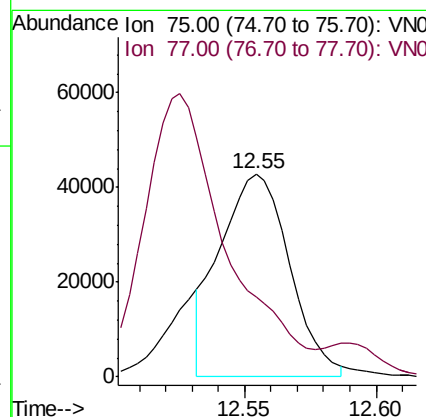
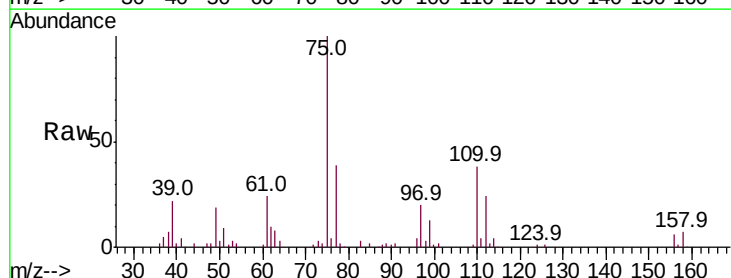
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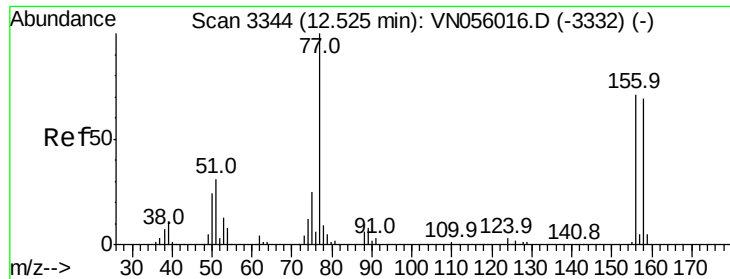
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#72
 1,2,3-Trichloropropane
 Concen: 21.155 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	167.0	0.0	350.0





#73

Bromobenzene

Concen: 20.163 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

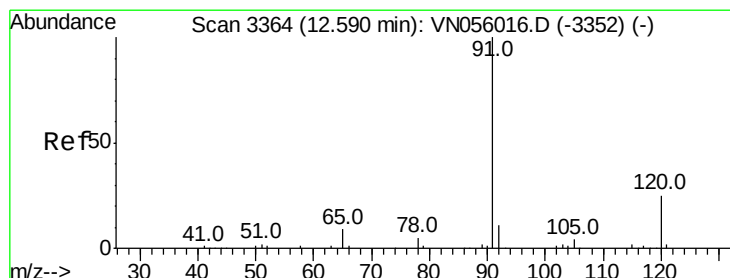
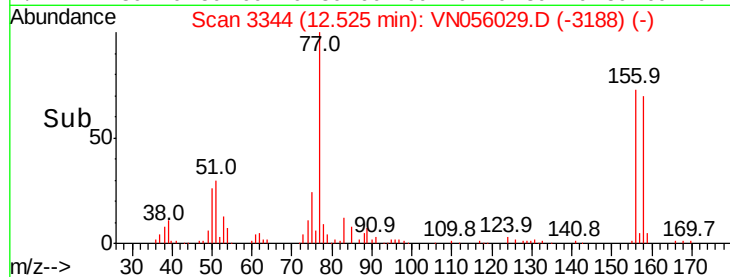
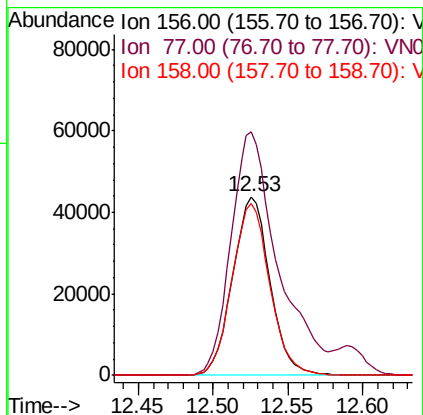
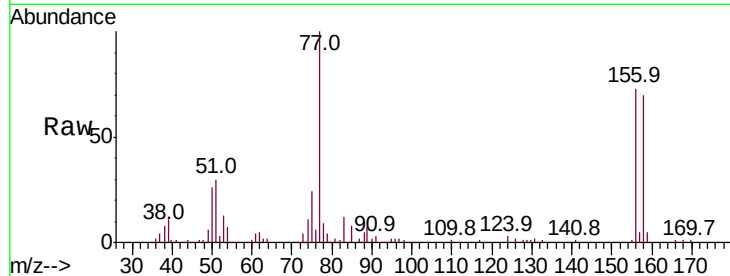
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	76044
Ion Ratio	Lower	Upper	
156	100		
77	172.3	0.0	350.8
158	97.6	0.0	193.2

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#74

n-propylbenzene

Concen: 19.990 ug/l

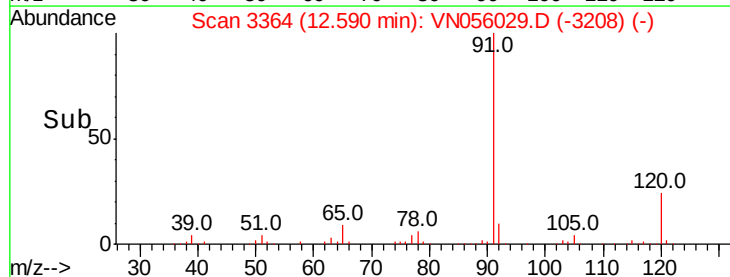
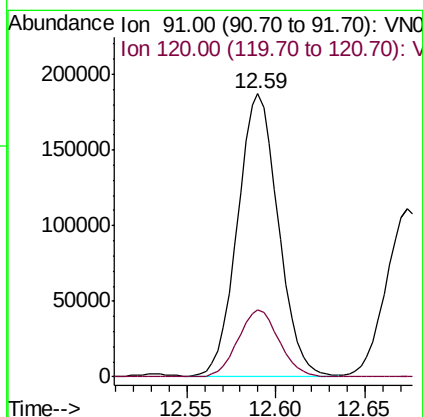
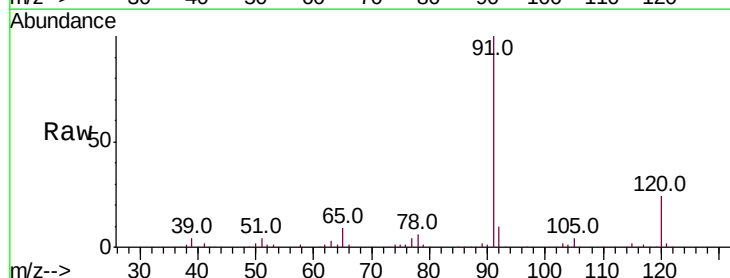
RT: 12.59 min Scan# 3364

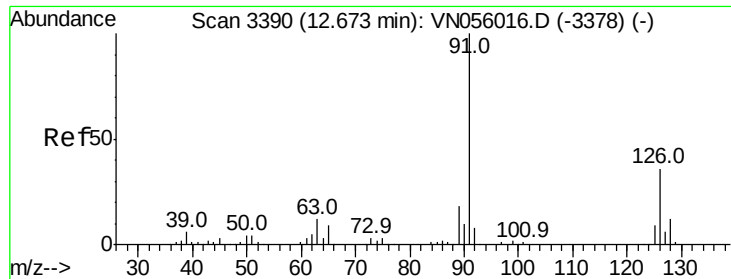
Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Tgt Ion:	91	Resp:	299732
Ion Ratio	Lower	Upper	
91	100		
120	23.8	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.211 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 187968

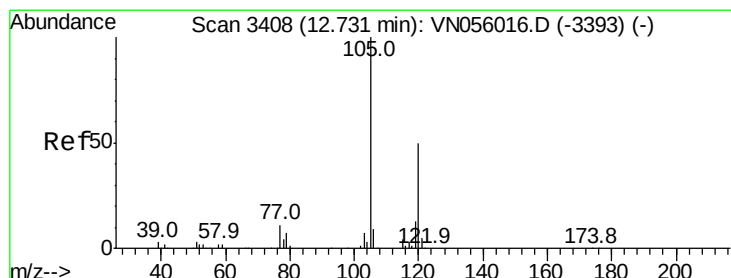
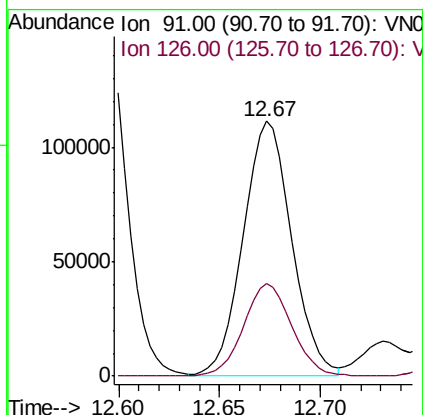
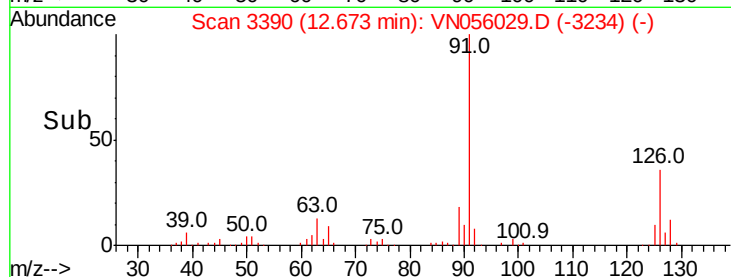
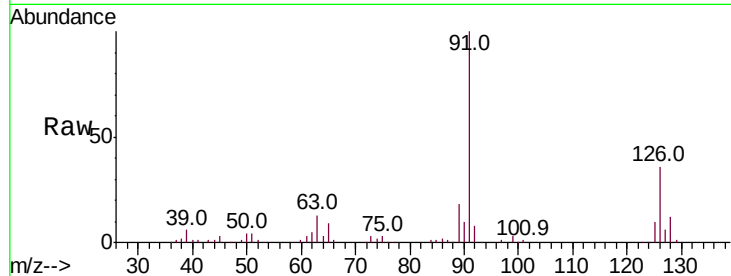
Ion Ratio Lower Upper

91 100

126 36.0 0.0 72.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.254 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056029.D

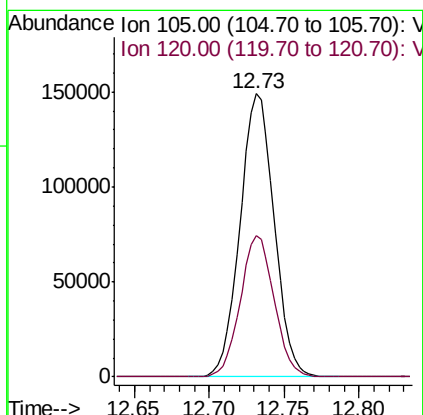
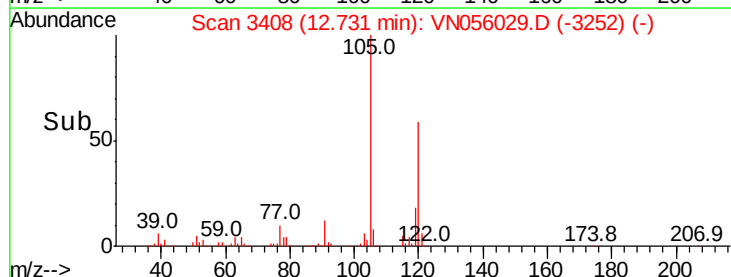
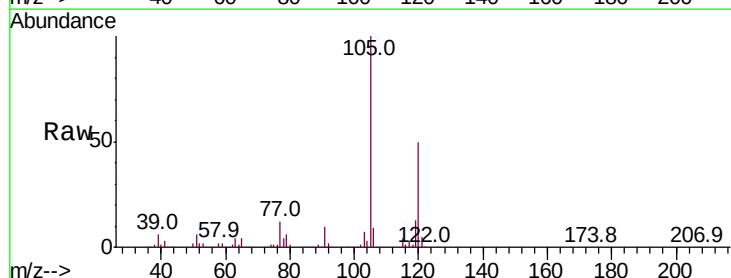
Acq: 6 Jun 2019 1:33

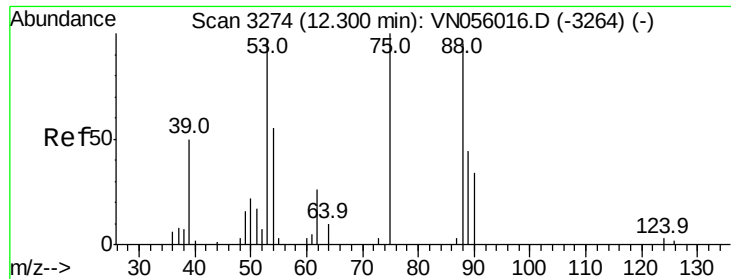
Tgt Ion: 105 Resp: 236711

Ion Ratio Lower Upper

105 100

120 49.6 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 15.868 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

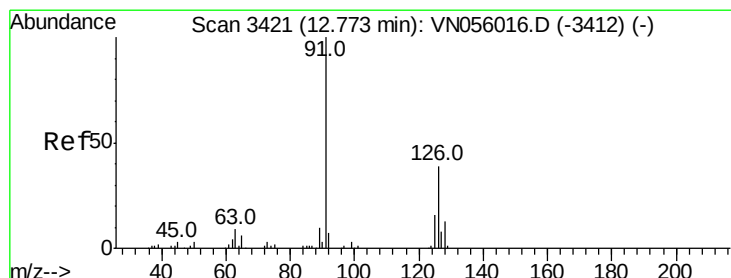
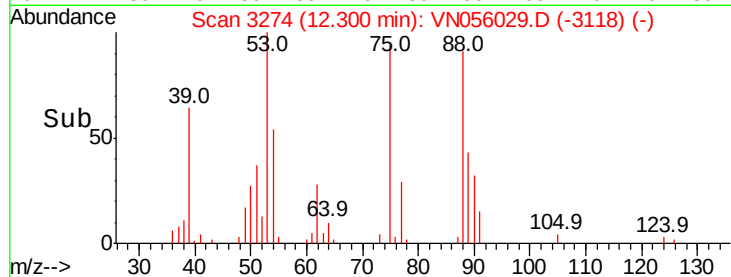
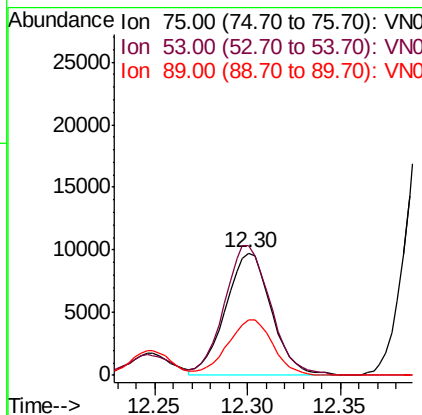
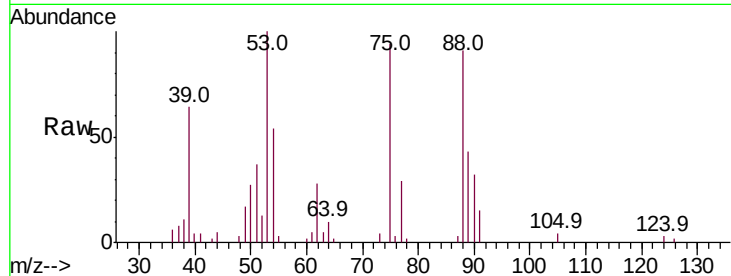
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	16791
Ion	Ratio	Lower	Upper
75	100		
53	106.1	48.0	144.0
89	45.7	22.5	67.5

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#78

4-Chlorotoluene

Concen: 19.805 ug/l

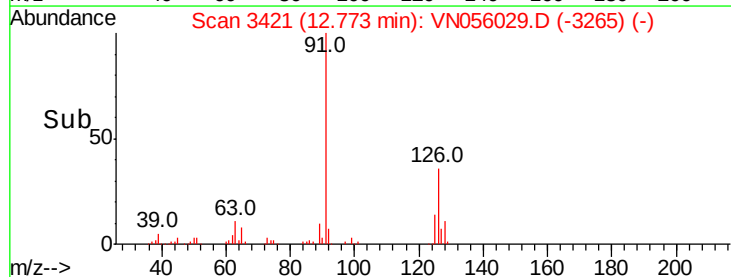
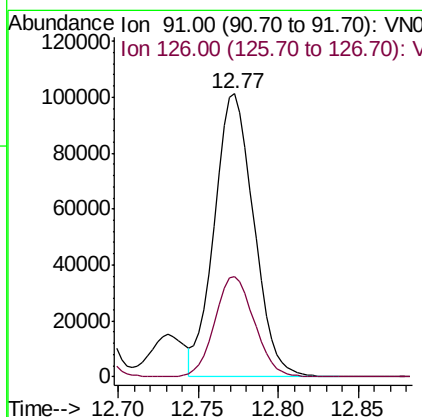
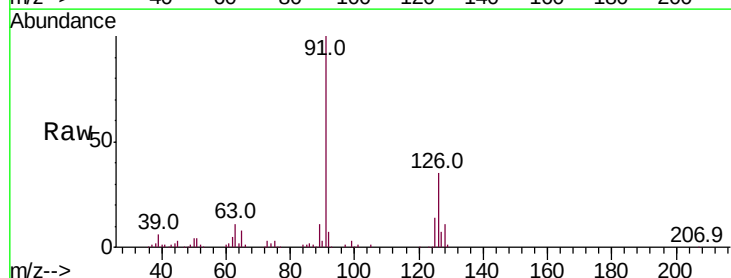
RT: 12.77 min Scan# 3421

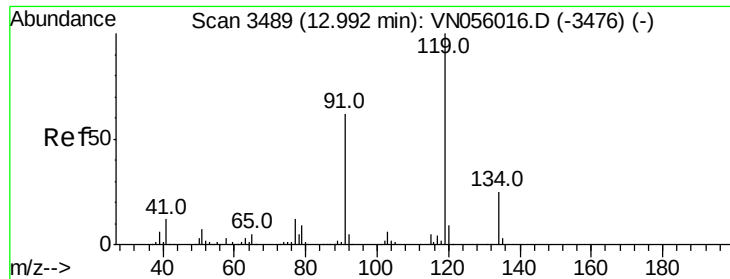
Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Tgt Ion:	91	Resp:	172022
Ion	Ratio	Lower	Upper
91	100		
126	35.5	0.0	71.8





#79

tert-butylbenzene

Concen: 20.479 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

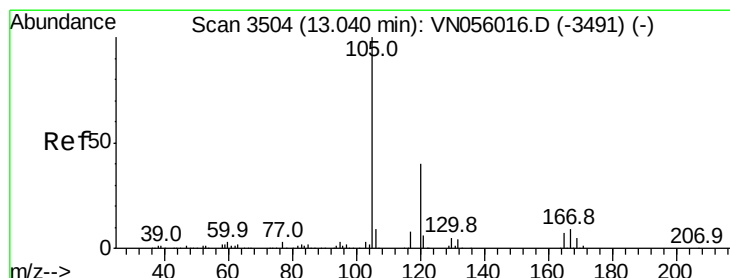
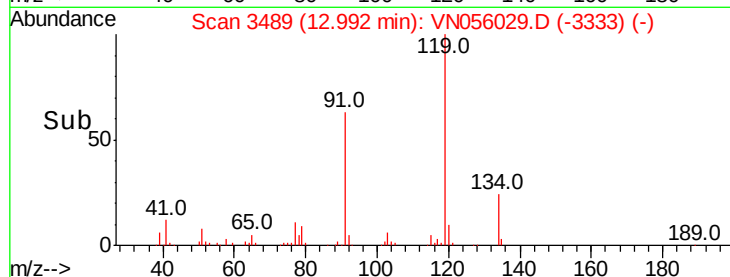
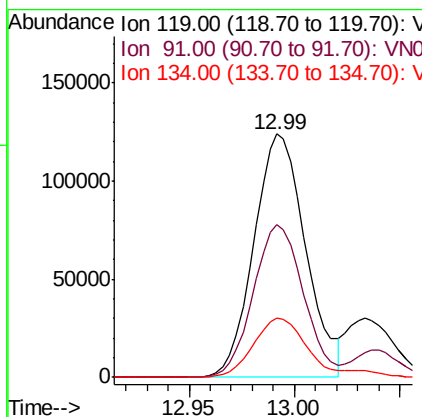
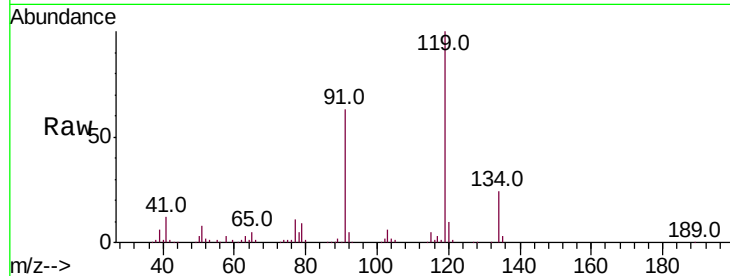
ClientSampleId :

VSTDCCC020EC

Tot Ion:	119	Resp:	212056
Ion Ratio	Lower	Upper	
119	100		
91	60.9	0.0	122.8
134	24.6	0.0	50.2

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#80

1,2,4-Trimethylbenzene

Concen: 20.004 ug/l

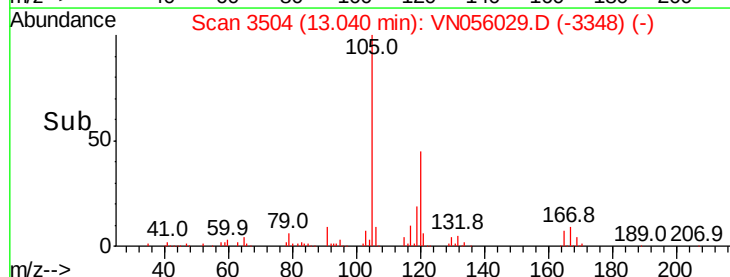
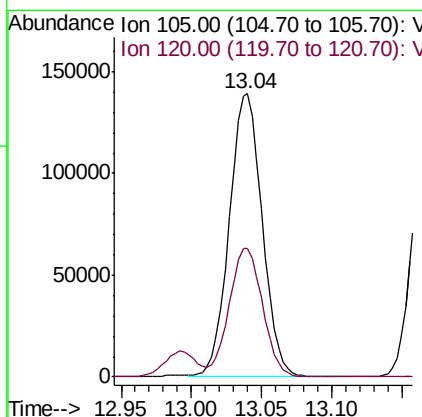
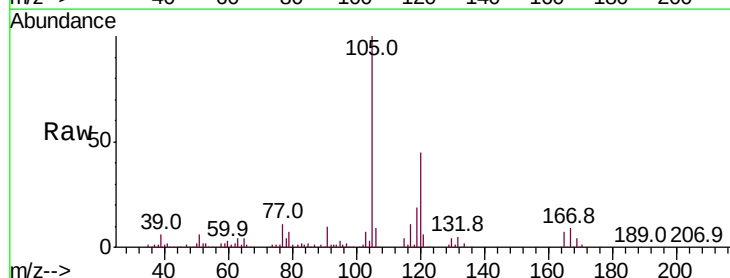
RT: 13.04 min Scan# 3504

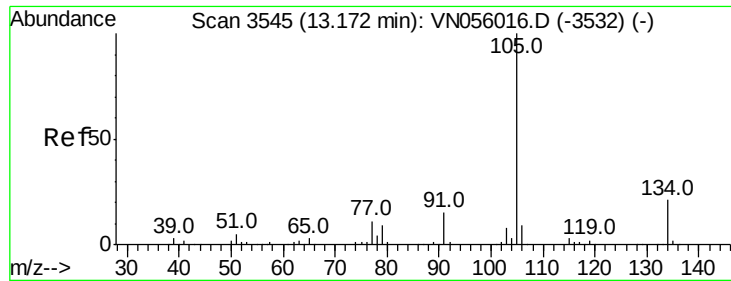
Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Tgt Ion:	105	Resp:	227436
Ion Ratio	Lower	Upper	
105	100		
120	46.0	0.0	93.4





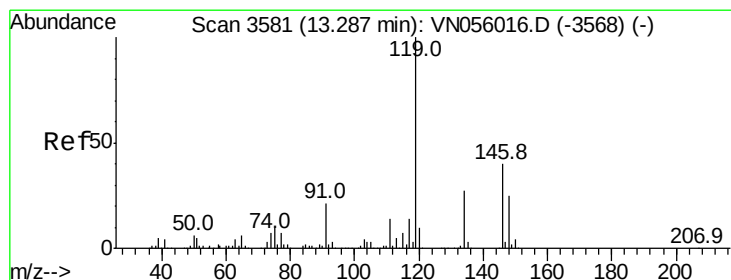
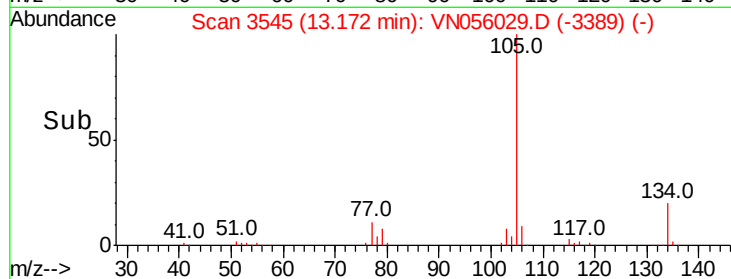
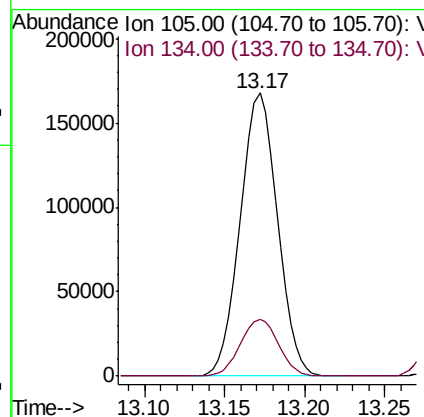
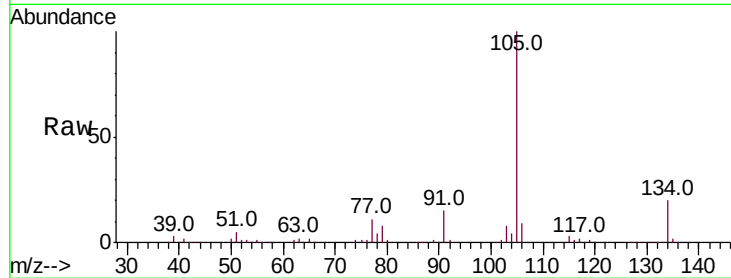
#81
 sec-Butylbenzene
 Concen: 20.323 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	266208		
134	20.5	0.0	41.8	

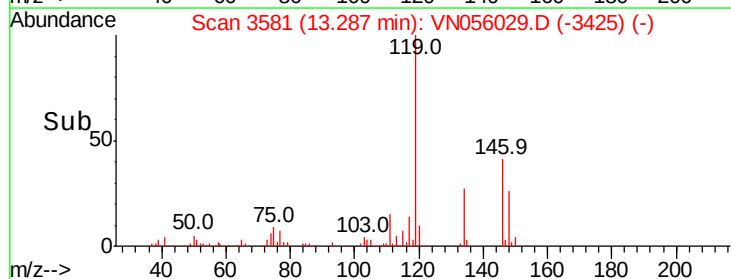
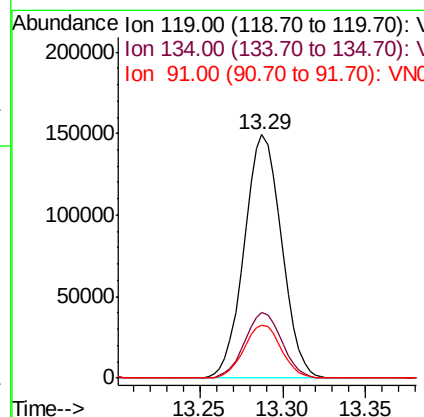
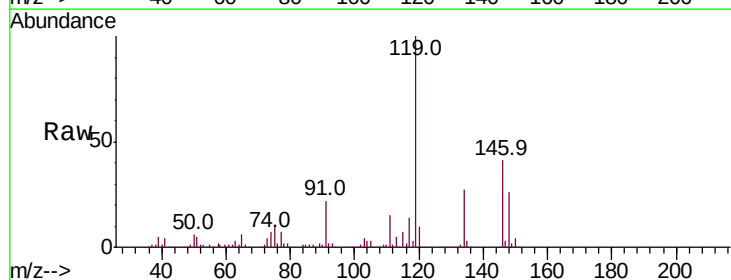
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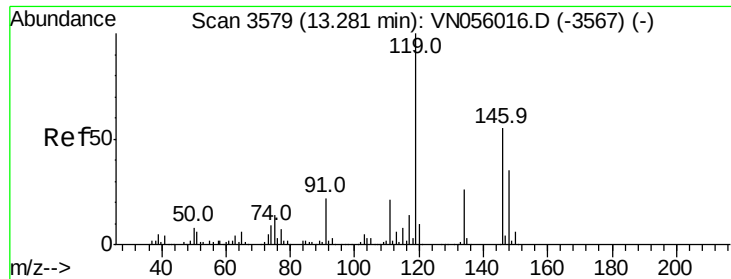
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#82
 p-Isopropyltoluene
 Concen: 19.809 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	234597		
134	26.8	0.0	53.4	
91	21.7	0.0	43.0	





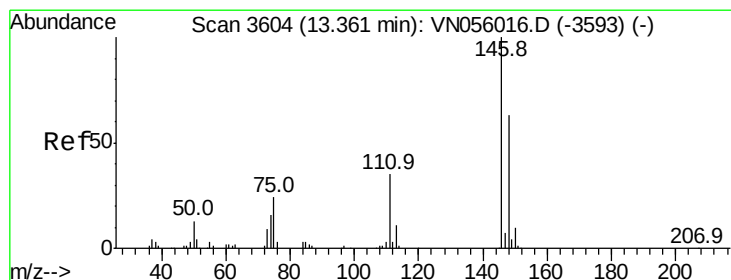
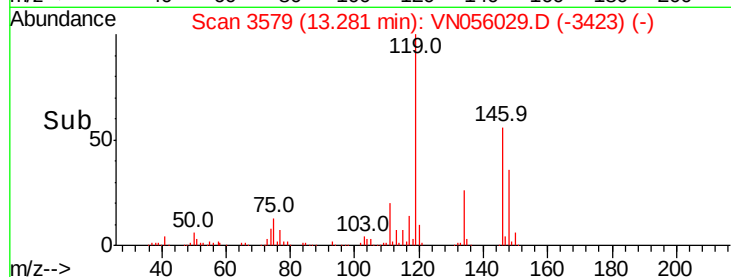
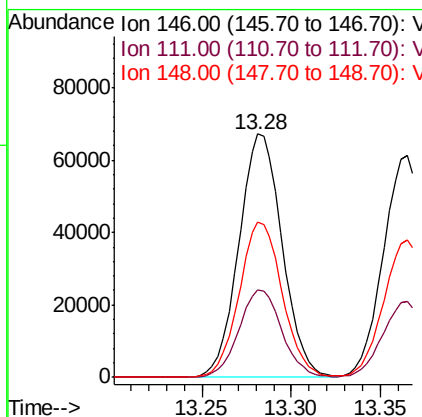
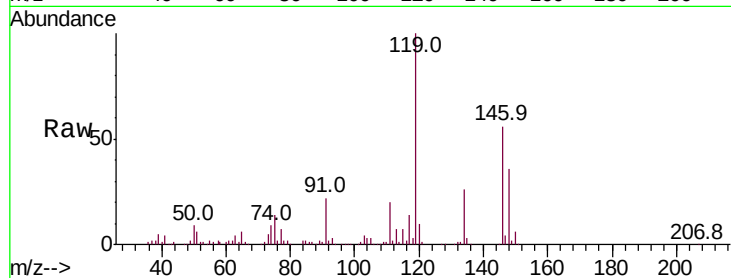
#83
1,3-Dichlorobenzene
Concen: 19.323 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.2	54.6
148	63.4	31.9	95.9

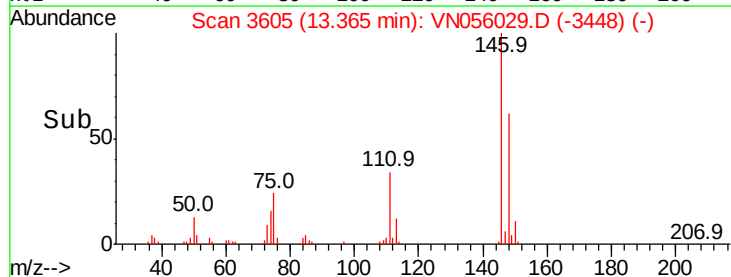
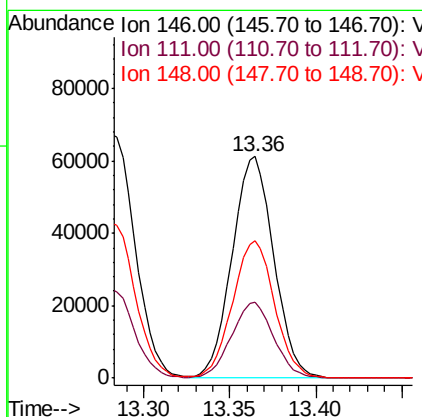
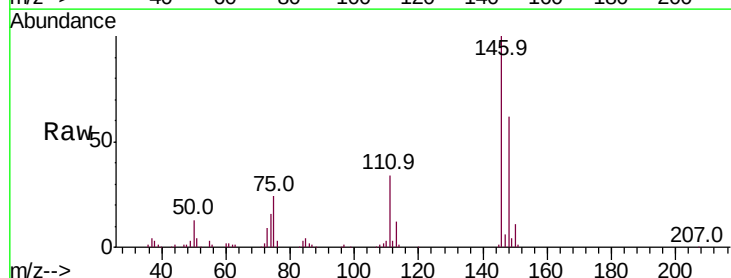
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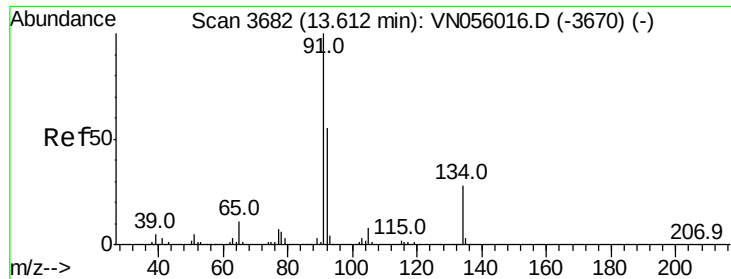
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#84
1,4-Dichlorobenzene
Concen: 18.426 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	17.6	52.9
148	62.5	32.1	96.3





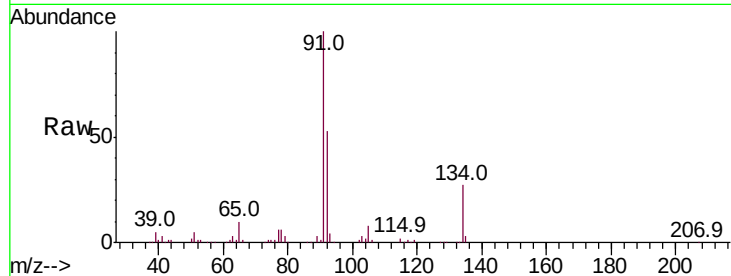
#85
n-Butylbenzene
Concen: 17.924 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

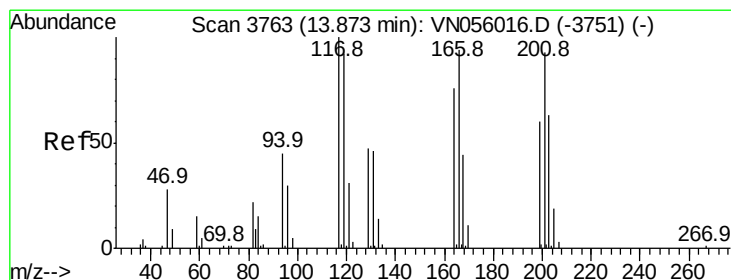
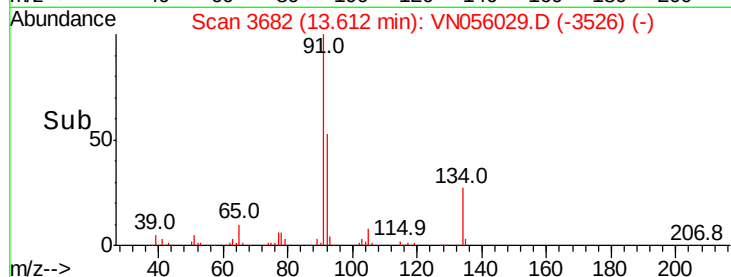
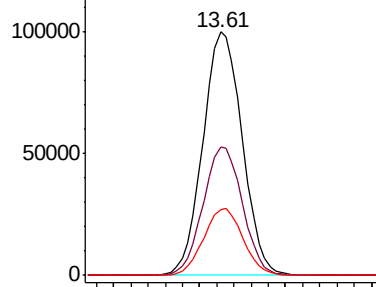
Tot Ion	Ratio	Resp	Lower	Upper
91	100	158426		
92	52.7	0.0	107.2	
134	27.4	0.0	55.8	

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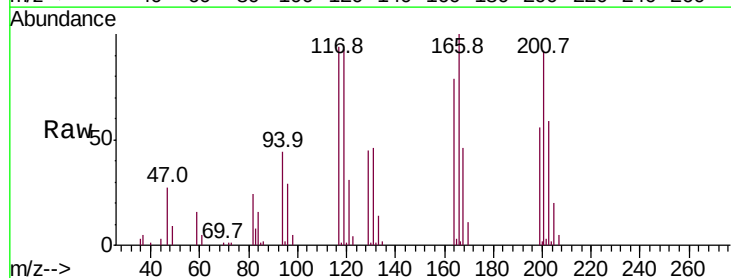


Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3670) (-)

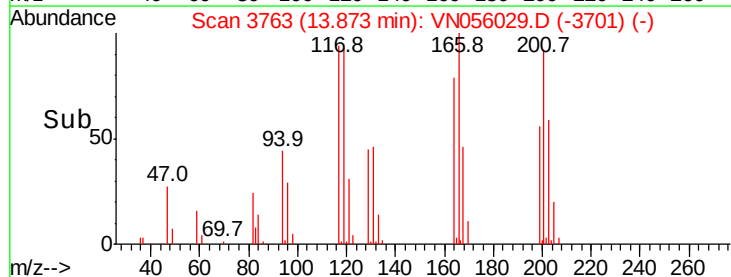
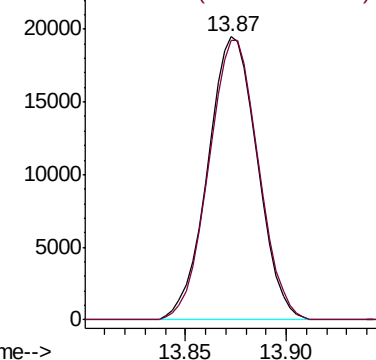


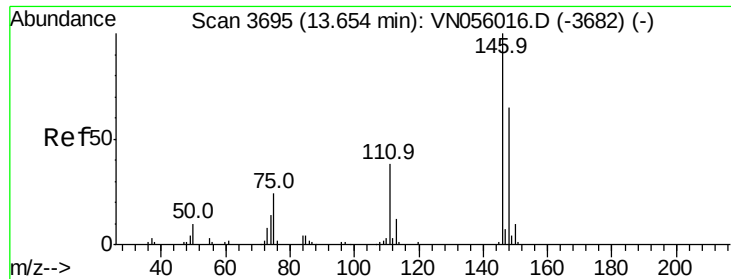
#86
Hexachloroethane
Concen: 18.173 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33552		
201	98.9	48.1	144.4	



Abundance Ion 117.00 (116.70 to 117.70): VN056016.D (-3751) (-)





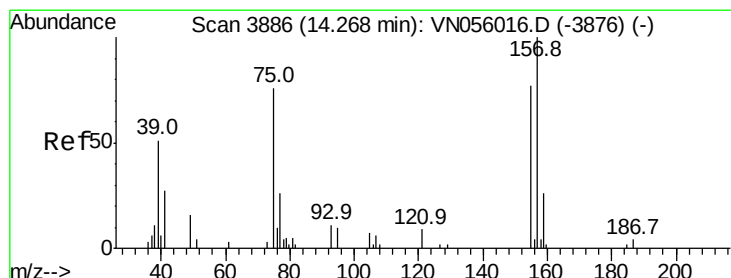
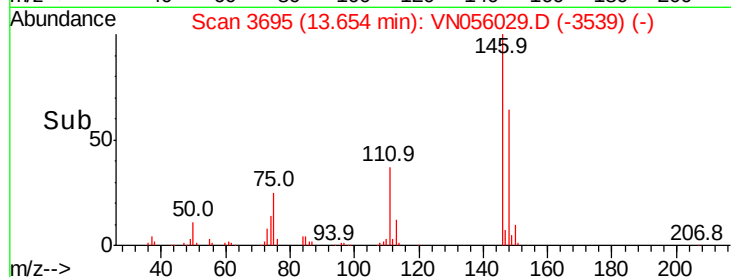
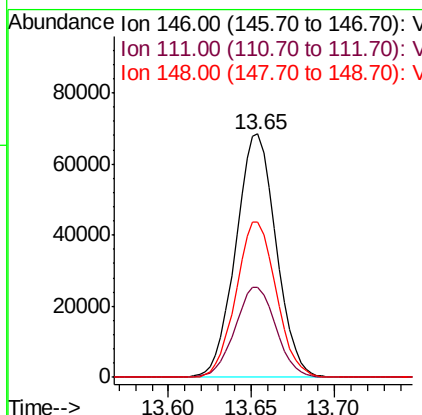
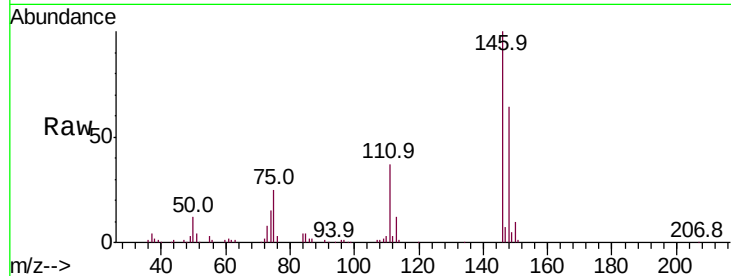
#87
 1,2-Dichlorobenzene
 Concen: 19.371 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.3	57.9
148	63.8	32.6	97.8

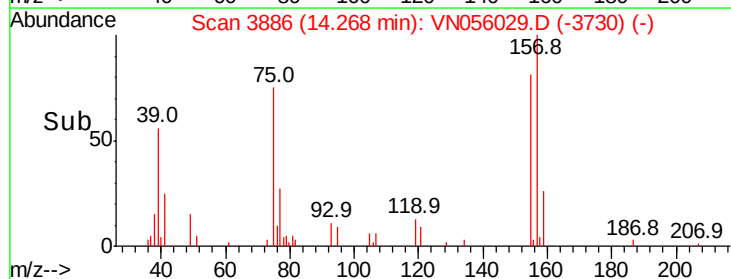
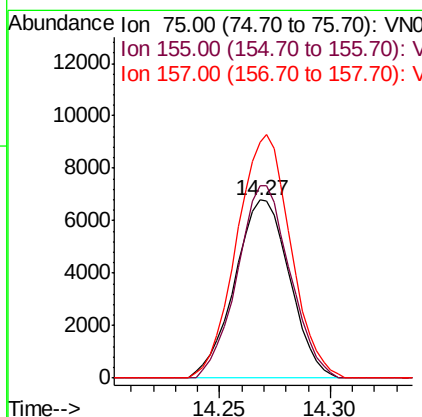
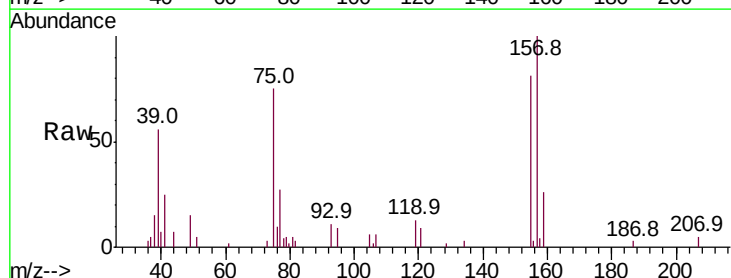
Manual Integrations
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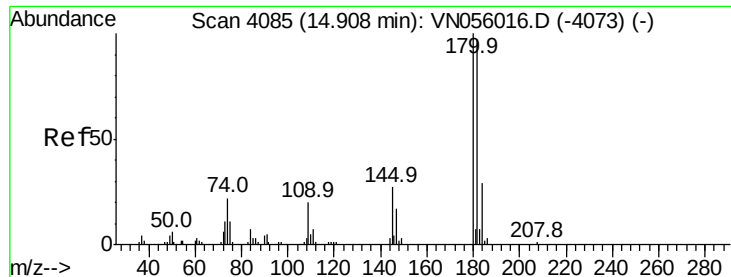
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.450 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	82.5	123.7
157	134.1	105.1	157.7





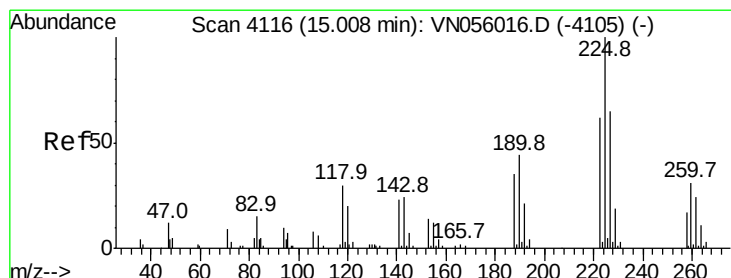
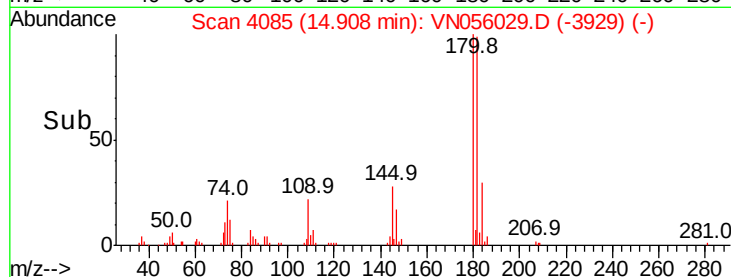
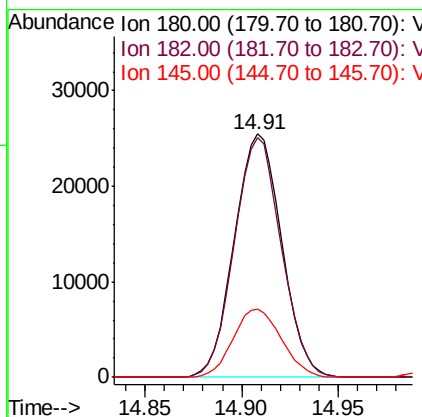
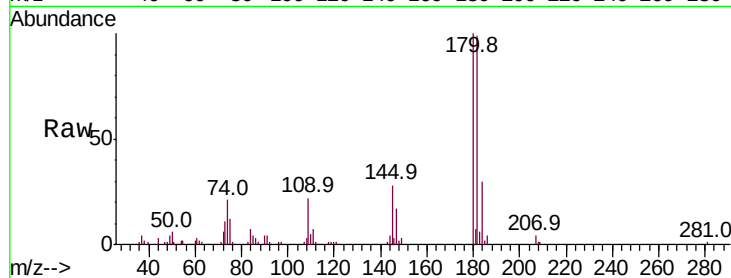
#89
 1,2,4-Trichlorobenzene
 Concen: 18.919 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.0	112.6
145	28.6	22.1	33.1

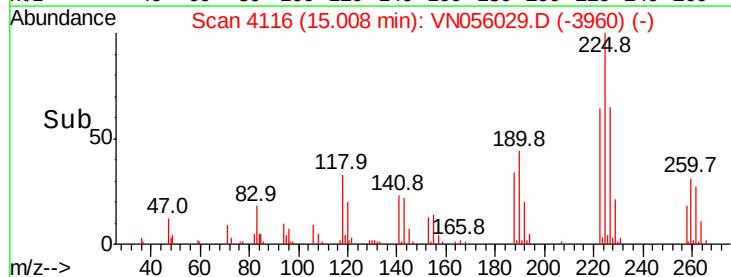
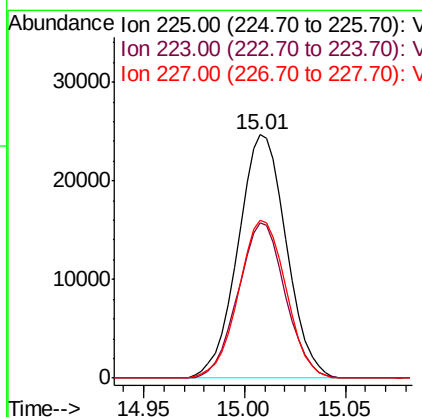
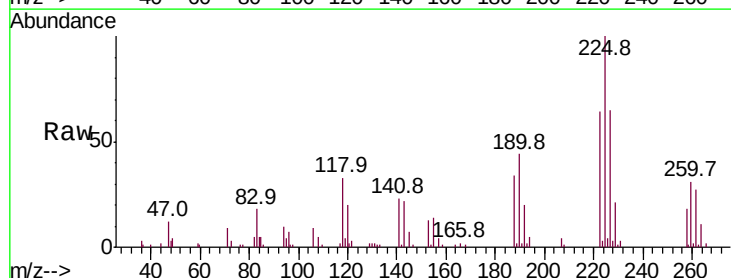
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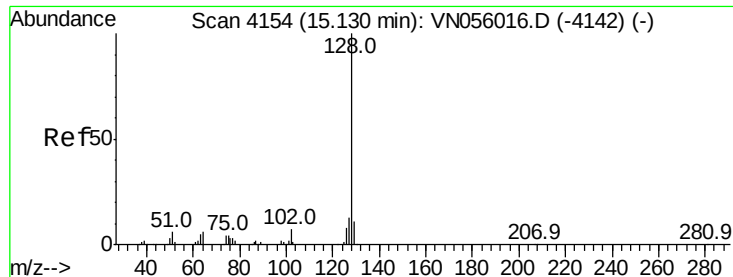
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#90
 Hexachlorobutadiene
 Concen: 18.993 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	125.6
227	63.7	0.0	128.6





#91

Naphthalene

Concen: 15.886 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

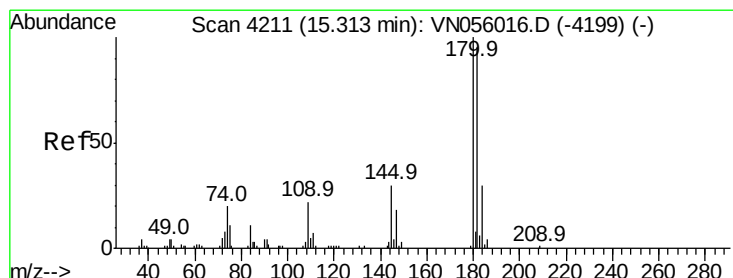
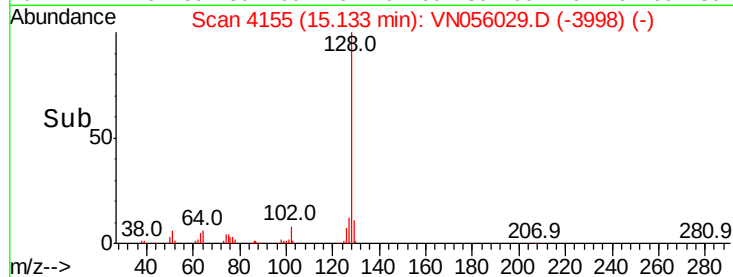
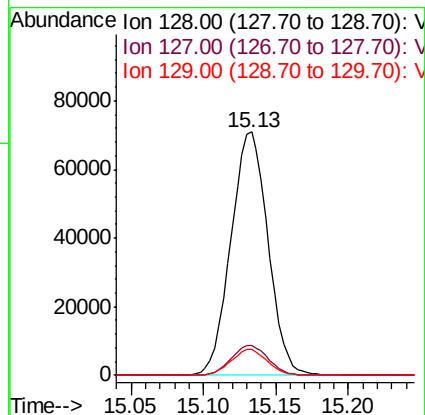
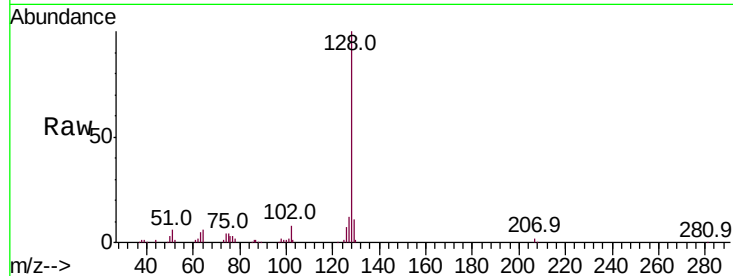
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	126044
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.4	15.6
129	10.4	8.7	13.1

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#92

1,2,3-Trichlorobenzene

Concen: 16.868 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Tgt Ion:	180	Resp:	52751
Ion Ratio	Lower	Upper	
180	100		
182	96.2	0.0	193.4
145	29.5	0.0	59.8

