

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056801.D
 Acq On : 18 Jul 2019 9:22
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 11:31:31 PM

Quant Time: Jul 19 05:39:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53414	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	294544	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	256530	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	104300	28.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.10%
60) 4-Bromofluorobenzene	12.40	95	116361	29.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.80%
63) Toluene-d8	10.09	98	359165	30.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	65738	21.659	ug/l 96
3) Chloromethane	2.06	50	84968	20.932	ug/l 98
4) Vinyl Chloride	2.18	62	82694	20.712	ug/l 99
5) Bromomethane	2.55	94	49750	19.769	ug/l 99
6) Chloroethane	2.70	64	46363	20.323	ug/l 94
7) Trichlorofluoromethane	3.01	101	108147	21.119	ug/l 96
8) Diethyl Ether	3.41	74	41551	19.841	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67672	21.192	ug/l 99
10) 1,1-Dichloroethene	3.73	96	64134	20.358	ug/l 99
11) Methyl Iodide	3.95	142	78067	18.647	ug/l 98
12) Methyl Acetate	4.32	43	76033	18.030	ug/l 97
13) Acrolein	3.60	56	28788	96.828	ug/l 98
14) Acrylonitrile	4.99	53	178417	96.044	ug/l 98
15) Acetone	3.81	58	70927	110.609	ug/l 99
16) Carbon Disulfide	4.05	76	164721	19.825	ug/l 99
17) Allyl chloride	4.32	41	108584	19.704	ug/l 97
18) Methylene Chloride	4.55	84	74771	20.216	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	68547	20.325	ug/l 94
20) Diisopropyl ether	5.95	45	224219	20.420	ug/l 99
21) 1,1-Dichloroethane	5.85	63	127744	20.361	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	78801	19.982	ug/l 98
23) tert-Butyl Alcohol	4.78	59	62626	96.643	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	201590	20.063	ug/l 99
25) Chloroform	7.37	83	125480	20.529	ug/l 95
26) Cyclohexane	7.65	56	119720	20.529	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	95620	20.423	ug/l 99
30) 2-Butanone	6.83	43	264176	97.454	ug/l 98
31) 2,2-Dichloropropane	6.82	77	94988	20.963	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	103269	20.692	ug/l 99
33) Carbon Tetrachloride	7.77	117	89035	20.731	ug/l 94
34) Benzene	8.04	78	296366	20.601	ug/l 100
35) Methacrylonitrile	7.18	41	41047m	19.821	ug/l
36) 1,2-Dichloroethane	8.12	62	93701	20.277	ug/l 99
37) Trichloroethene	8.84	130	79472	20.341	ug/l 94
38) Methylcyclohexane	9.08	83	124273	21.011	ug/l 97
39) 1,2-Dichloropropane	9.12	63	78138	20.236	ug/l 99
40) Dibromomethane	9.21	93	49958	20.312	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	93140	20.548	ug/l	97
42) Vinyl Acetate	5.89	43	911884	101.075	ug/l	99
43) Ethyl Acetate	6.93	43	93917	19.172	ug/l	97
44) Isopropyl Acetate	8.16	43	148110	19.385	ug/l #	79
45) 1,4-Dioxane	9.20	88	30511	394.734	ug/l	98
46) Methyl methacrylate	9.20	41	70997	19.343	ug/l	97
47) n-amyl Acetate	12.07	43	115707	18.518	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	98948	19.845	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	112830	20.060	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	72055	20.109	ug/l	99
51) Ethyl methacrylate	10.43	69	107049	19.423	ug/l	98
52) 1,3-Dichloropropane	10.71	76	121886	20.329	ug/l	99
53) Dibromochloromethane	10.90	129	73841	20.390	ug/l	98
54) 1,2-Dibromoethane	11.00	107	76179	20.456	ug/l	95
55) 2-Chloroethyl vinyl ether	9.69	63	243070	91.200	ug/l	99
56) Bromoform	12.13	173	52783	19.689	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	478037	99.008	ug/l	100
59) 2-Hexanone	10.75	43	359949	98.212	ug/l	99
61) Tetrachloroethene	10.63	164	79381	21.535	ug/l	99
62) Toluene	10.15	91	314572	20.878	ug/l	98
64) Chlorobenzene	11.43	112	190554	20.736	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	69957	20.764	ug/l	98
66) Ethyl Benzene	11.51	91	333770	20.494	ug/l	99
67) m/p-Xylenes	11.62	106	253728	41.281	ug/l	99
68) o-Xylene	11.95	106	124154	20.710	ug/l	97
69) Styrene	11.96	104	201170	20.251	ug/l	99
70) Isopropylbenzene	12.25	105	324091	20.624	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	100095	19.625	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	88799m	20.370	ug/l	
73) Bromobenzene	12.53	156	83353	20.298	ug/l	100
74) n-propylbenzene	12.59	91	364207	20.543	ug/l	99
75) 2-Chlorotoluene	12.67	91	220384	20.640	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	279570	20.858	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	27054	18.670	ug/l	96
78) 4-Chlorotoluene	12.77	91	207664	20.056	ug/l	100
79) tert-butylbenzene	12.99	119	235890	20.688	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	273868	20.603	ug/l	100
81) sec-Butylbenzene	13.17	105	308194	20.420	ug/l	100
82) p-Isopropyltoluene	13.29	119	283915	20.685	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	135007	19.726	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	127272	19.400	ug/l	99
85) n-Butylbenzene	13.61	91	221442	19.559	ug/l	99
86) Hexachloroethane	13.87	117	44957	20.875	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	138627	20.155	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16966	19.280	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	62420	16.872	ug/l	100
90) Hexachlorobutadiene	15.01	225	51367	21.355	ug/l	98
91) Naphthalene	15.13	128	153884	15.465	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	67638	17.436	ug/l	99

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

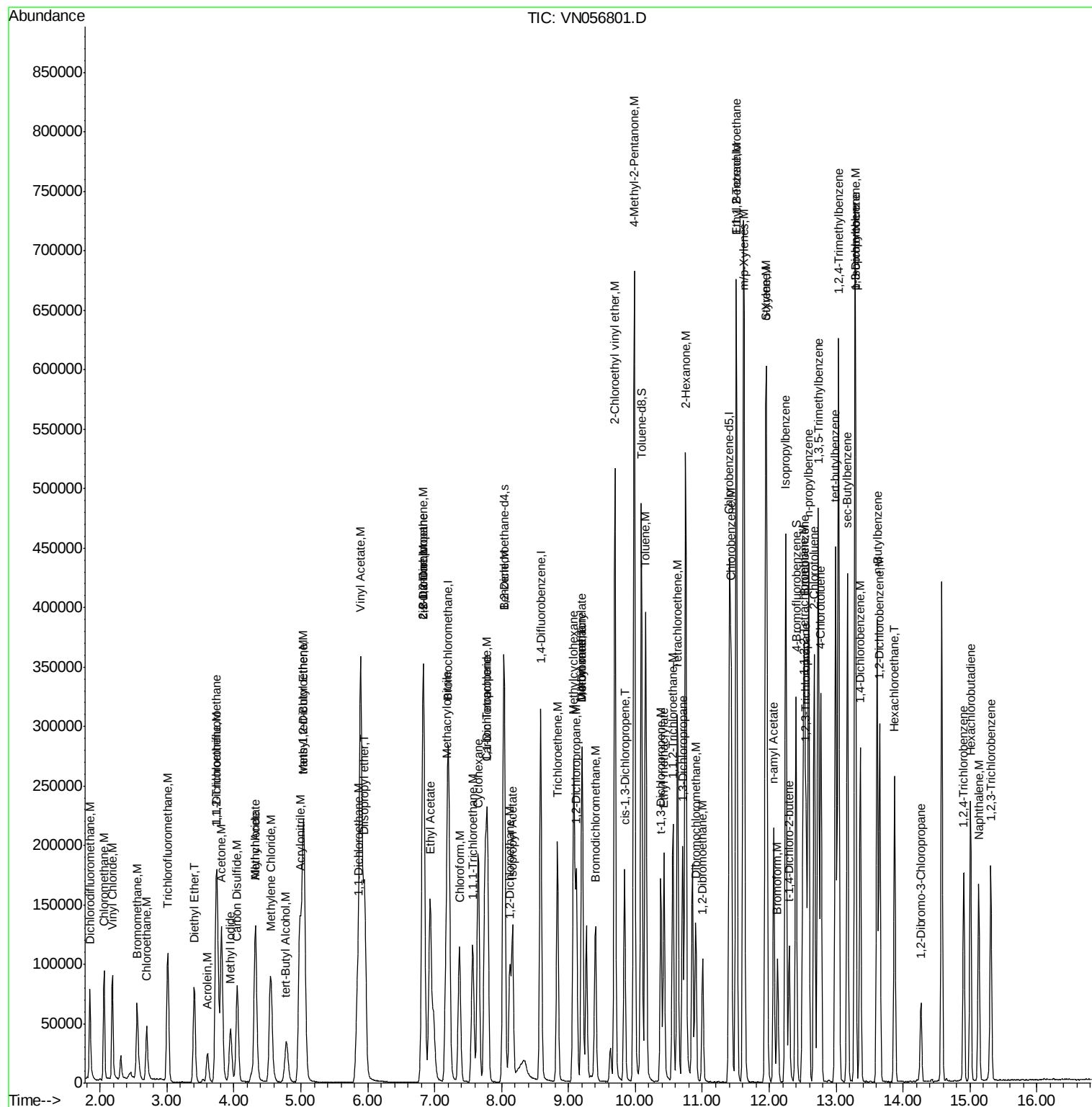
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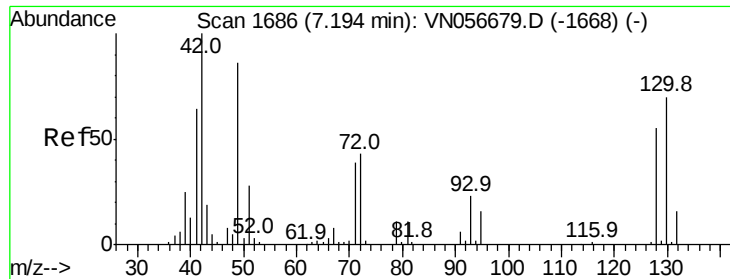
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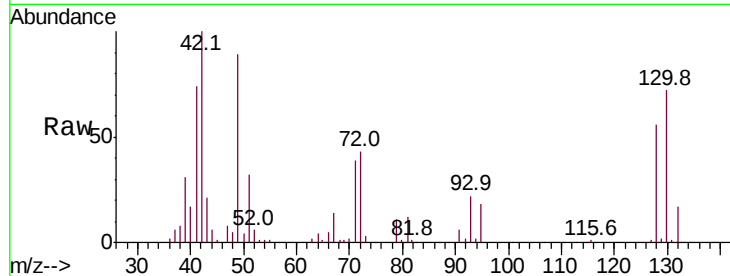
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	154.7	0.0	390.5
130	128.0	0.0	316.5

Manual Integrations
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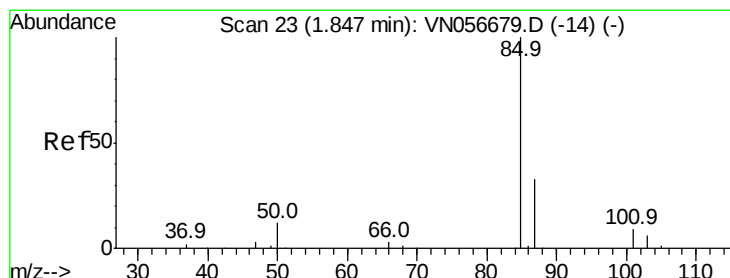
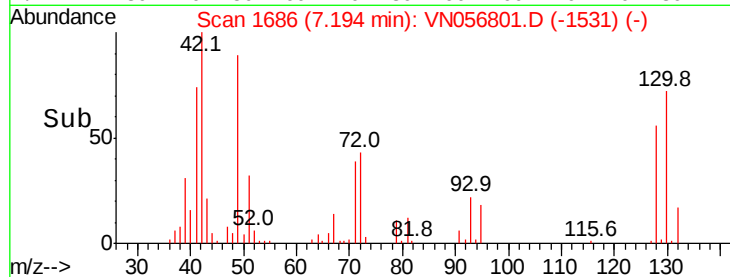
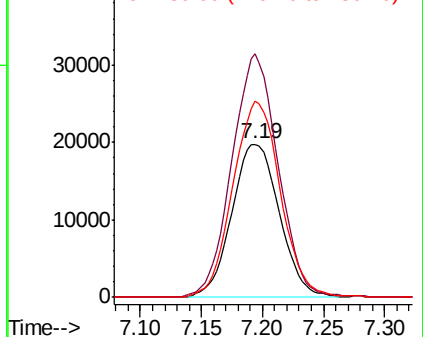


Abundance

Ion 128.00 (127.70 to 128.70): V

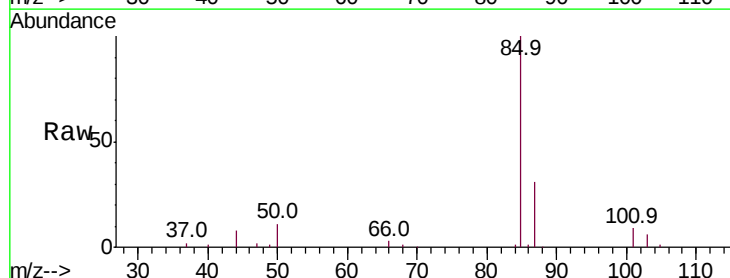
Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2
Dichlorodifluoromethane
Concen: 21.659 ug/l
RT: 1.85 min Scan# 23
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

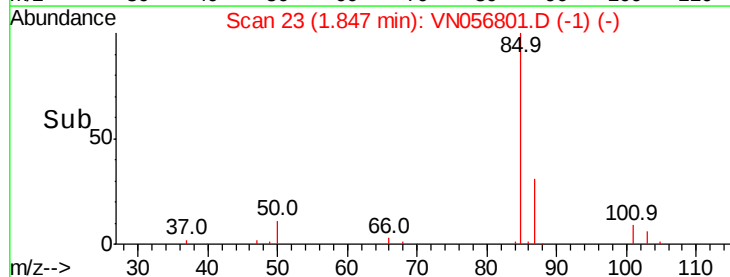
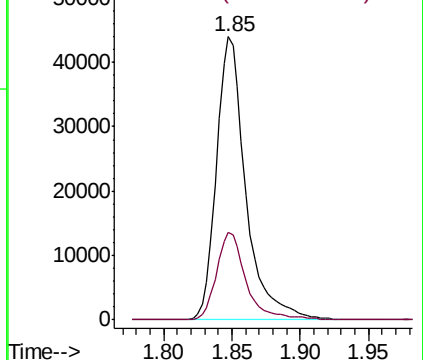
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.8	50.3

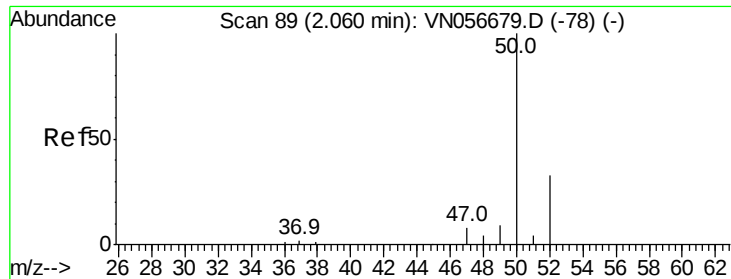


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.932 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 84968

Ion Ratio Lower Upper

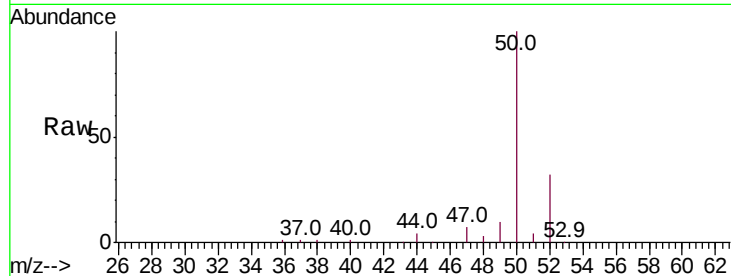
50 100

52 31.8 26.5 39.7

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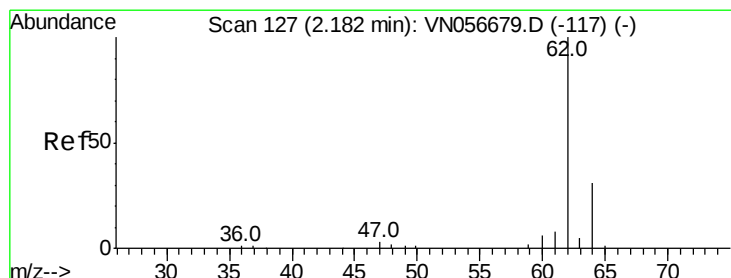
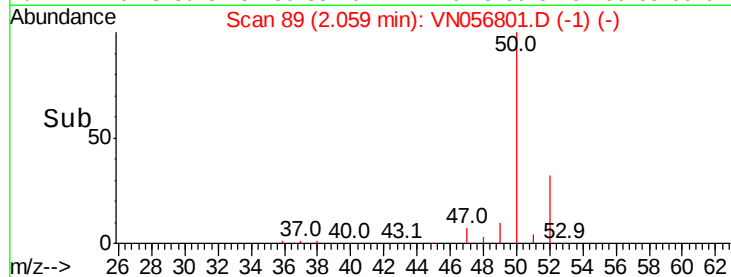
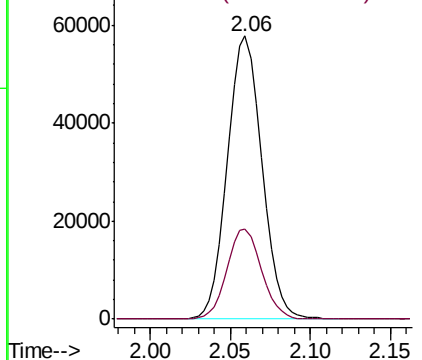
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.712 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056801.D

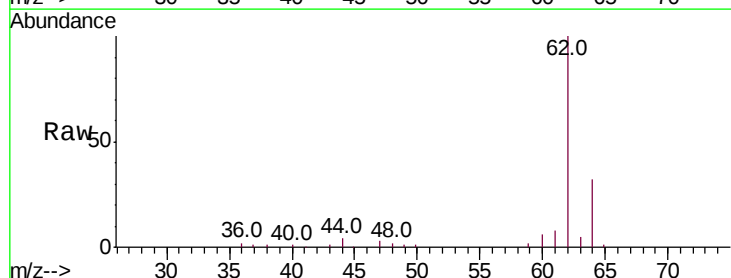
Acq: 18 Jul 2019 9:22

Tgt Ion: 62 Resp: 82694

Ion Ratio Lower Upper

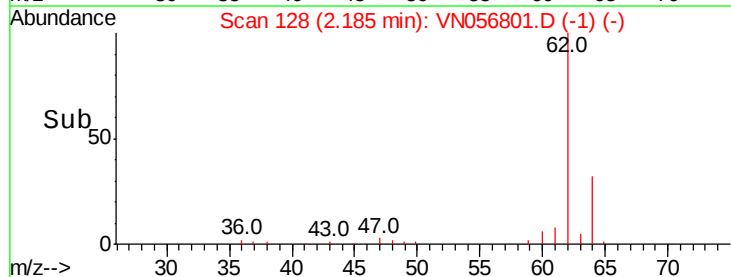
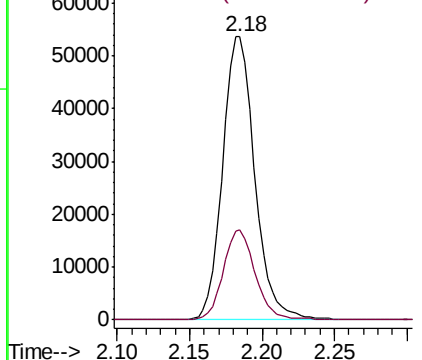
62 100

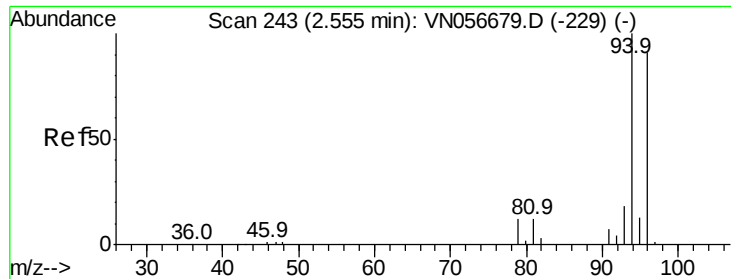
64 31.8 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





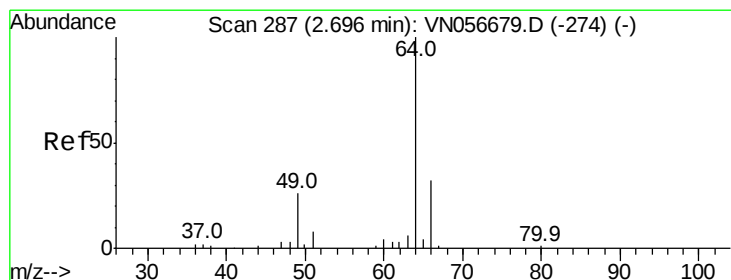
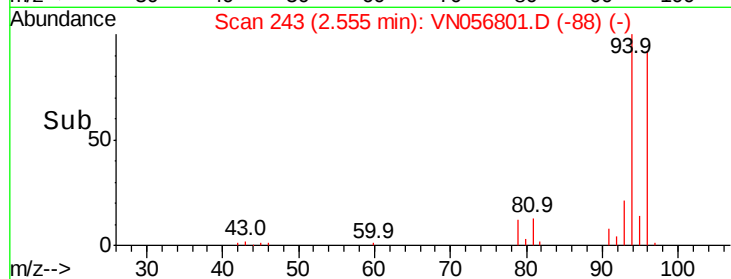
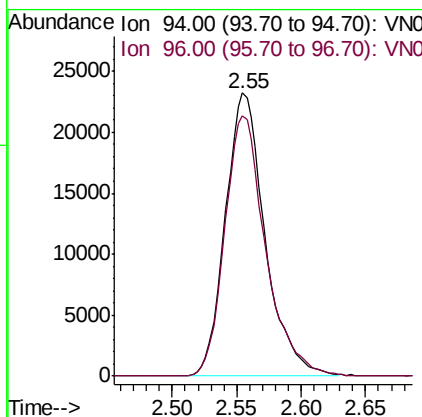
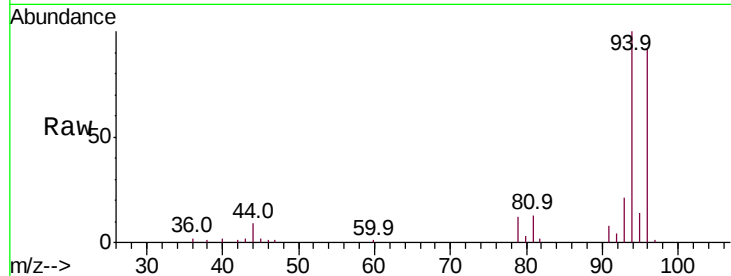
#5
Bromomethane
Concen: 19.769 ug/l
RT: 2.55 min Scan# 243
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
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ClientSampleId :
VSTDCCC020

Tot Ion: 94 Resp: 49750
Ion Ratio Lower Upper
94 100
96 92.1 72.8 109.2

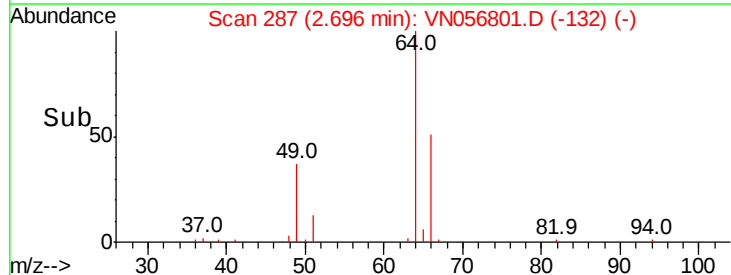
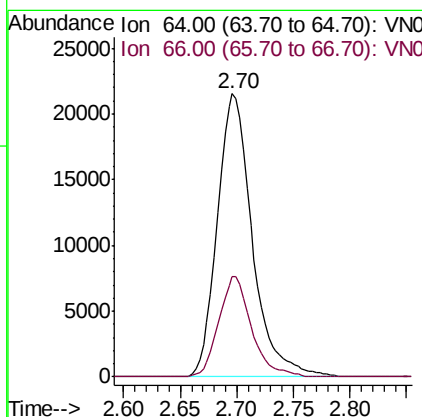
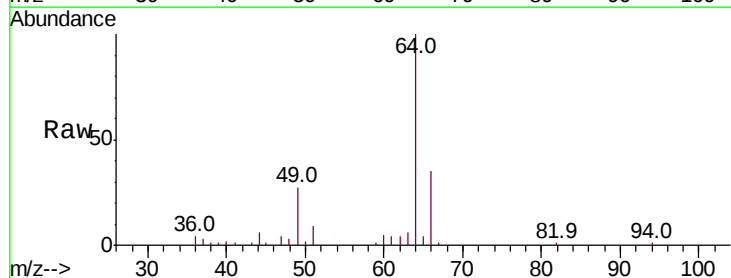
Manual Integrations
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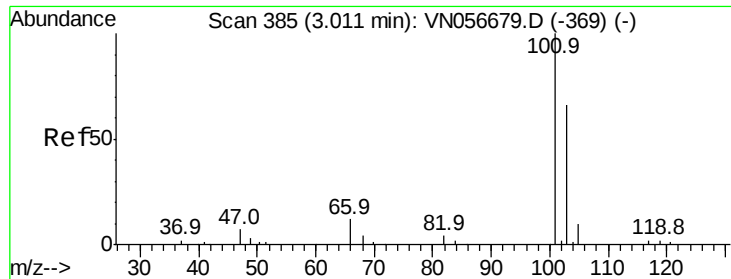
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#6
Chloroethane
Concen: 20.323 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 64 Resp: 46363
Ion Ratio Lower Upper
64 100
66 35.3 25.7 38.5





#7

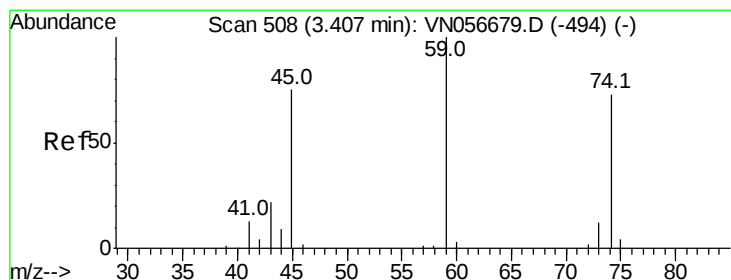
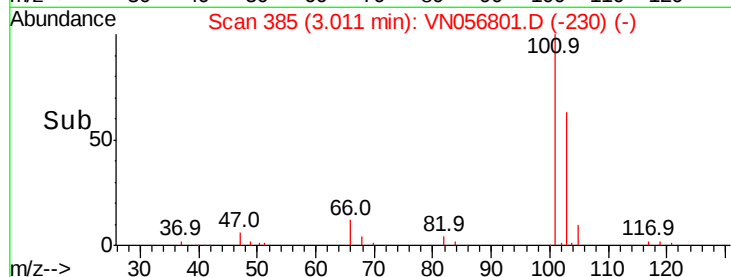
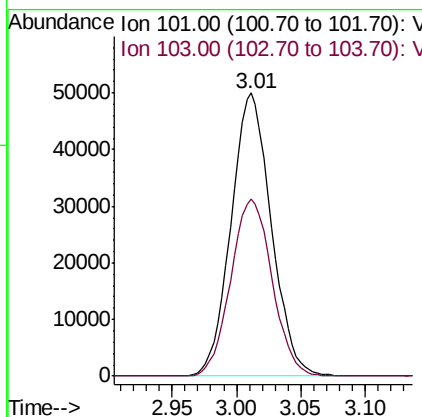
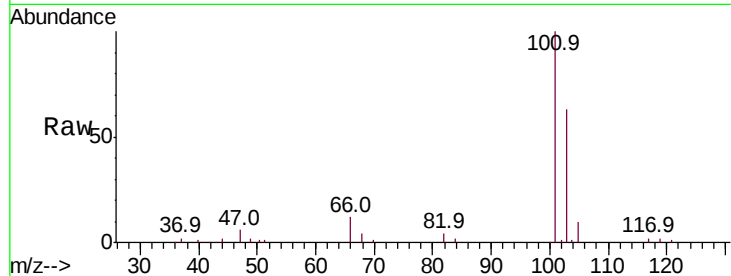
Trichlorofluoromethane
 Concen: 21.119 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.8	79.2

Manual Integrations
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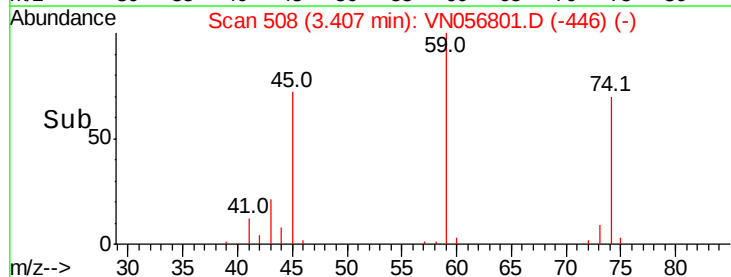
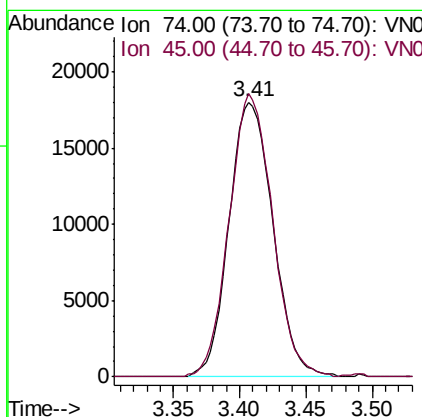
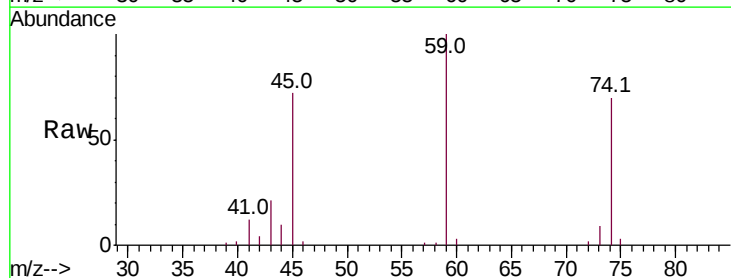
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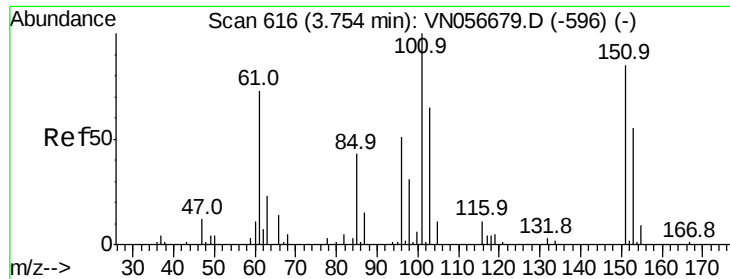


#8

Diethyl Ether
 Concen: 19.841 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	19.9	179.5





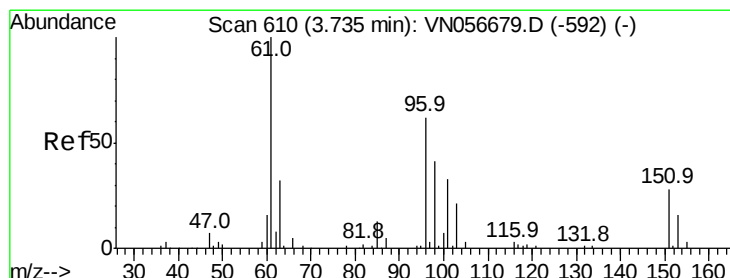
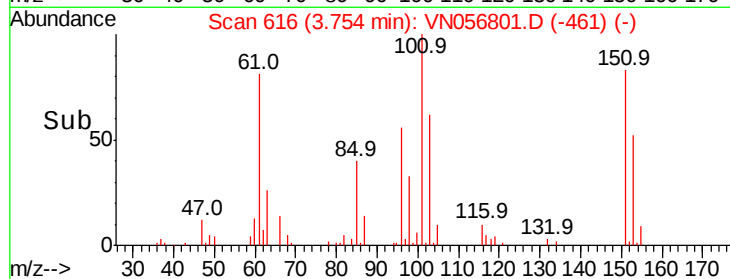
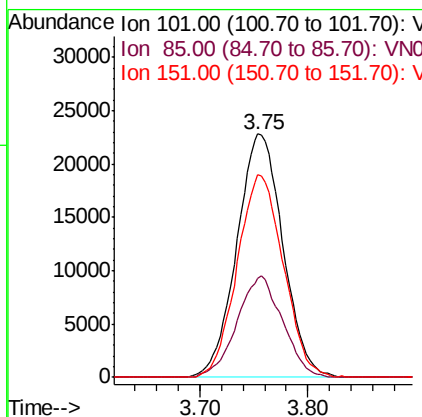
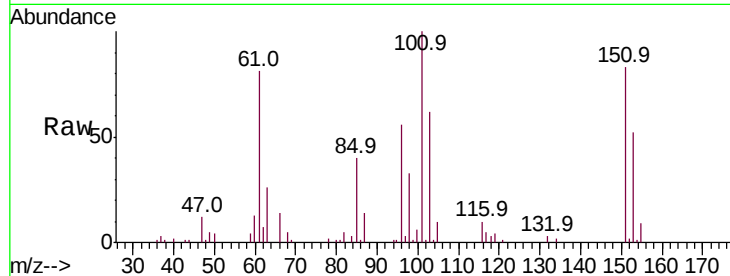
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.192 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	101	Resp:	67672
Ion Ratio	Lower	Upper	
101	100		
85	41.0	0.0	84.2
151	83.1	0.0	167.6

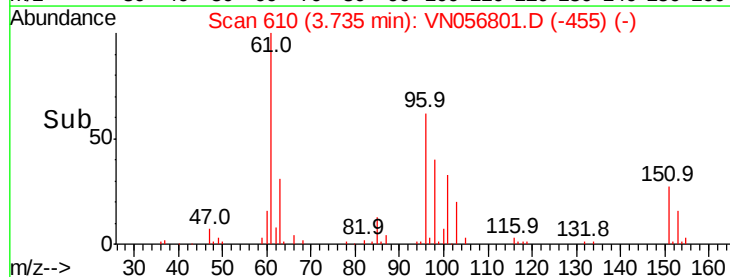
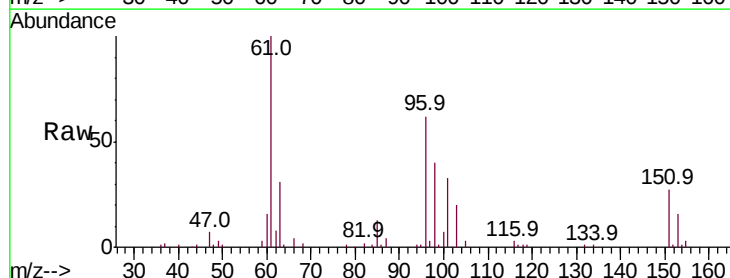
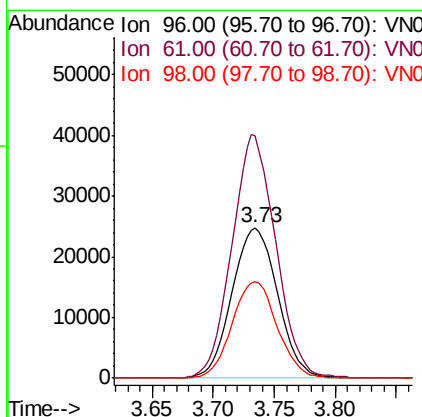
Manual Integrations
 APPROVED

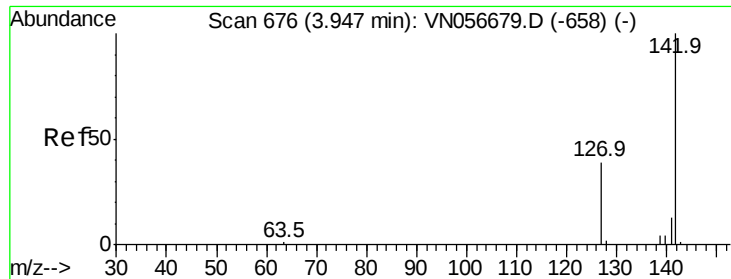
MMDadoda
 7/19/2019 11:31:31 PM



#10
 1,1-Dichloroethene
 Concen: 20.358 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion:	96	Resp:	64134
Ion Ratio	Lower	Upper	
96	100		
61	159.7	129.0	193.4
98	64.3	52.5	78.7





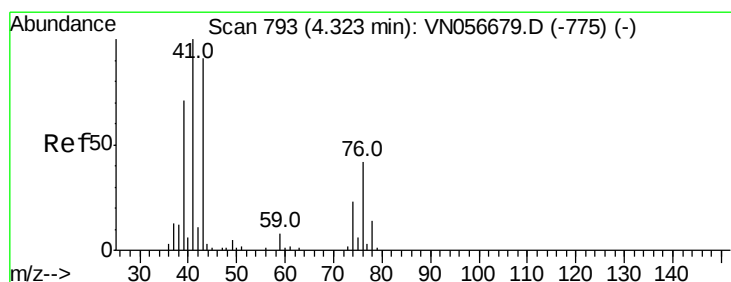
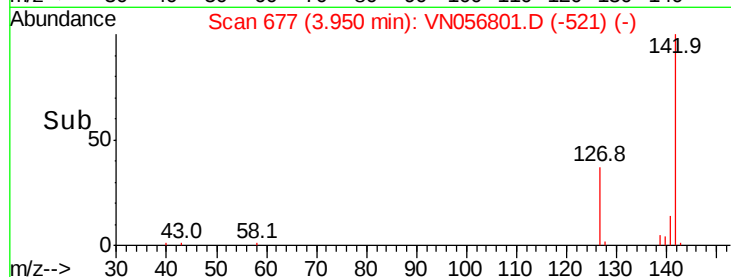
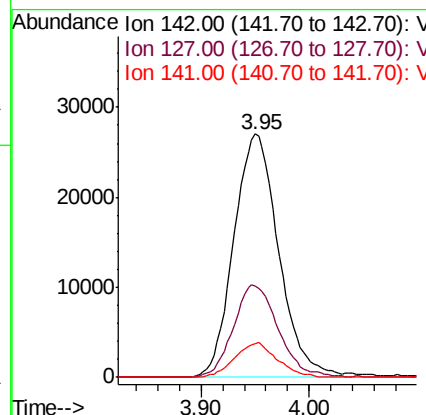
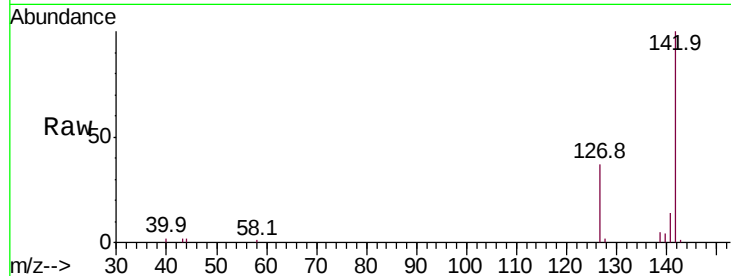
#11
Methvl Iodide
Concen: 18.647 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.4	19.5	58.5
141	14.1	6.8	20.3

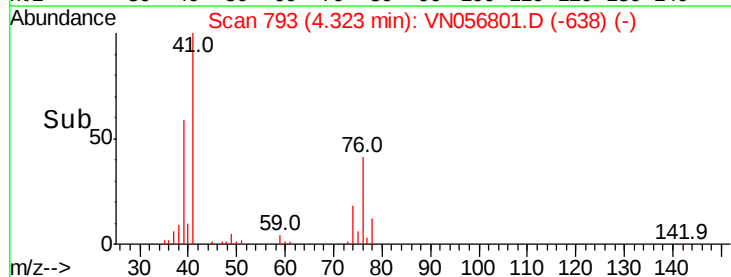
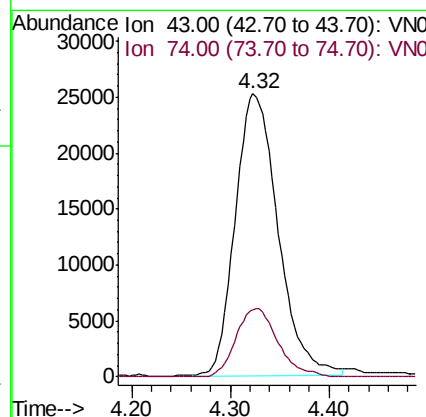
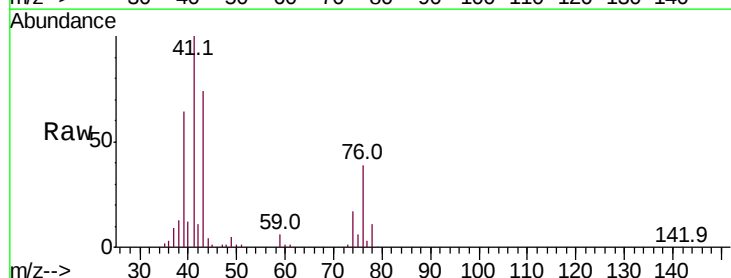
Manual Integrations
APPROVED

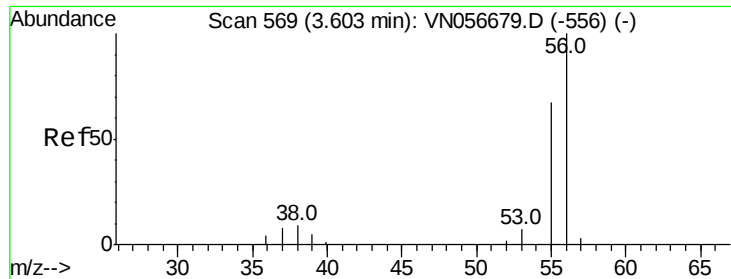
MMDadoda
7/19/2019 11:31:31 PM



#12
Methyl Acetate
Concen: 18.030 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	20.2	30.4





#13

Acrolein

Concen: 96.828 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 28788

Ion Ratio Lower Upper

56 100

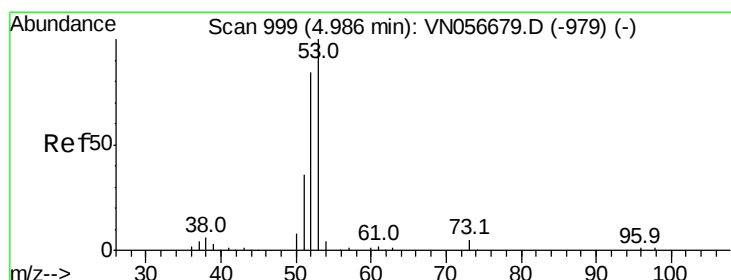
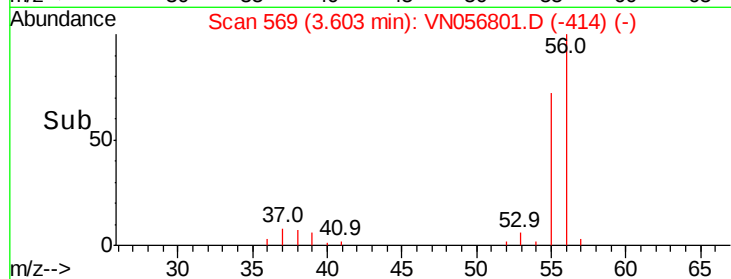
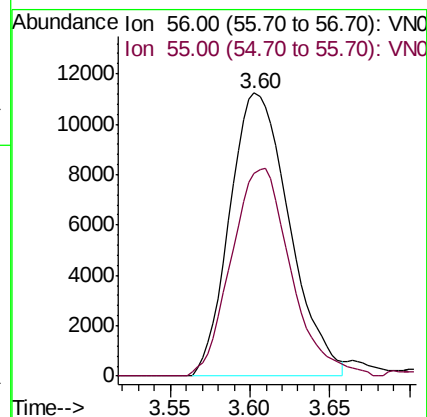
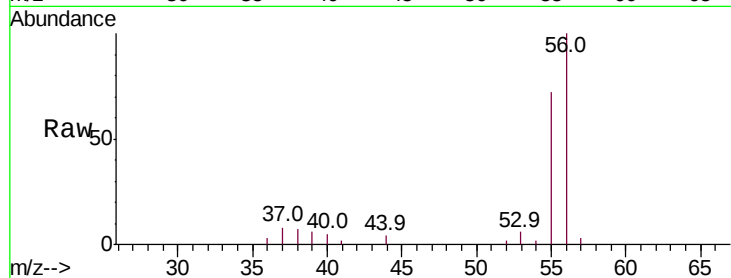
55 73.0 56.9 85.3

Manual Integrations

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#14

Acrylonitrile

Concen: 96.044 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

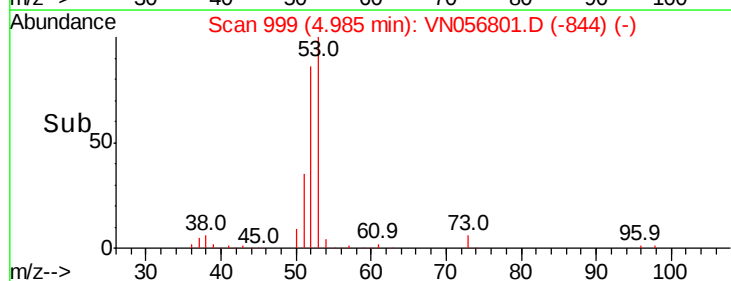
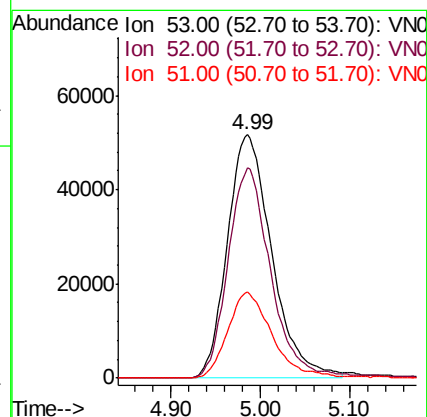
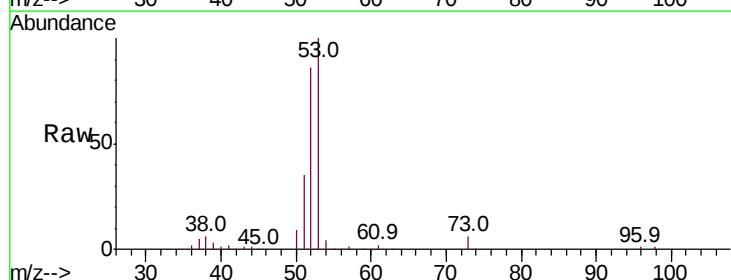
Tgt Ion: 53 Resp: 178417

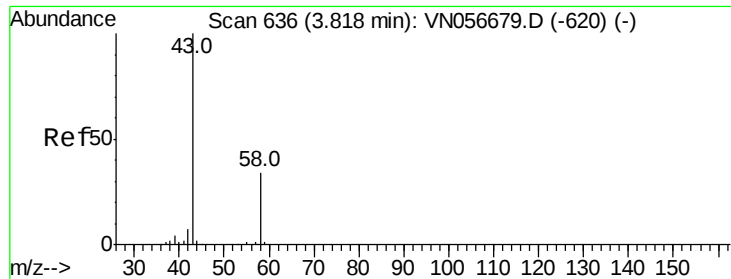
Ion Ratio Lower Upper

53 100

52 81.3 41.3 123.7

51 34.1 17.7 53.1





#15

Acetone

Concen: 110.609 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 70927

Ion Ratio Lower Upper

58 100

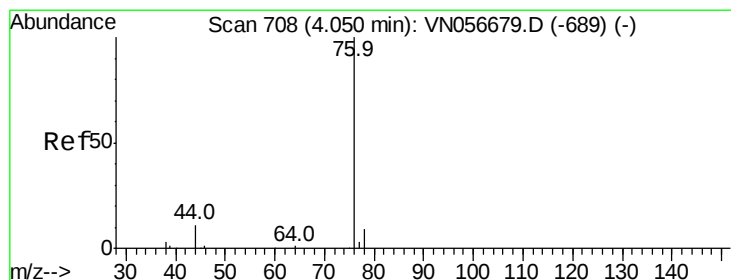
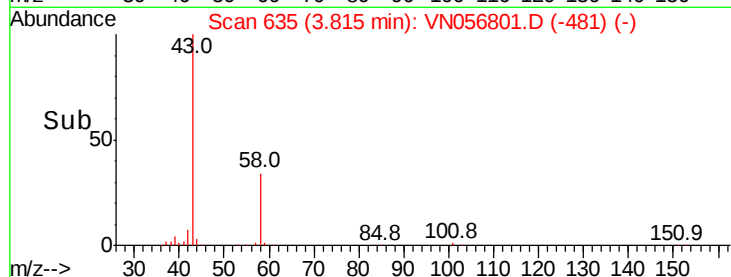
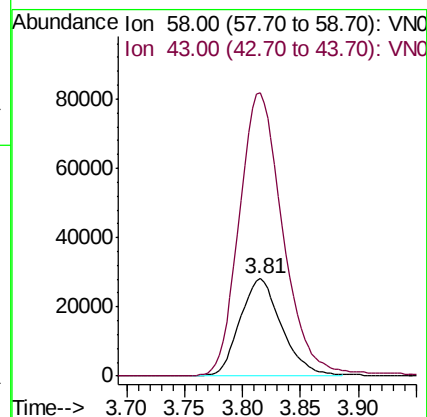
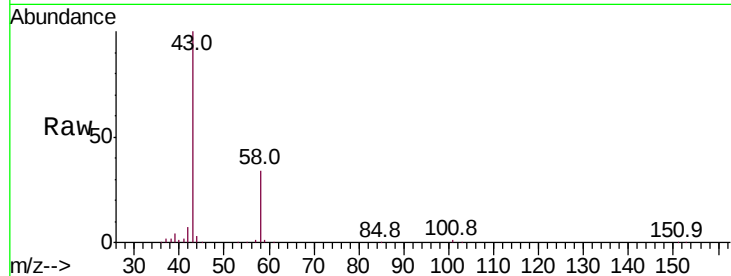
43 290.1 233.9 350.9

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.825 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056801.D

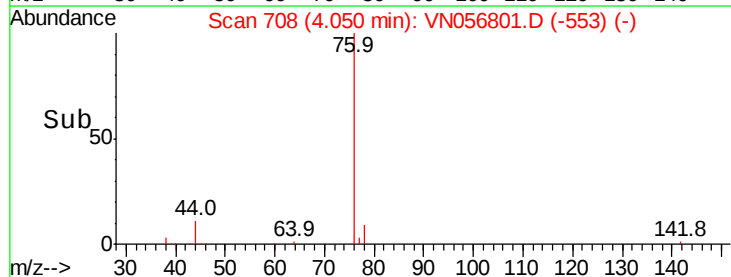
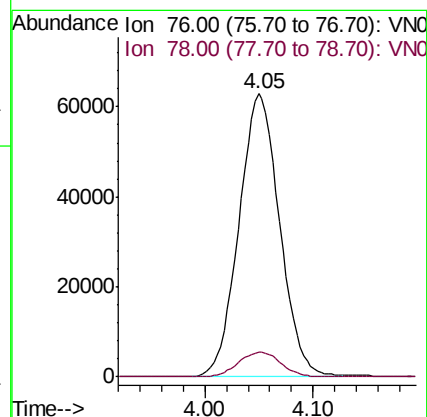
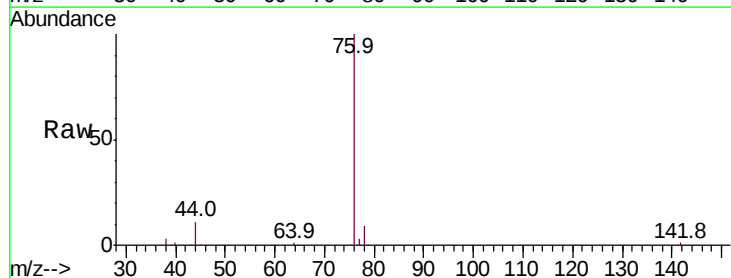
Acq: 18 Jul 2019 9:22

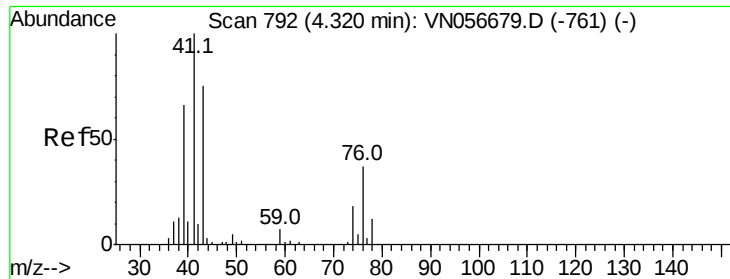
Tgt Ion: 76 Resp: 164721

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





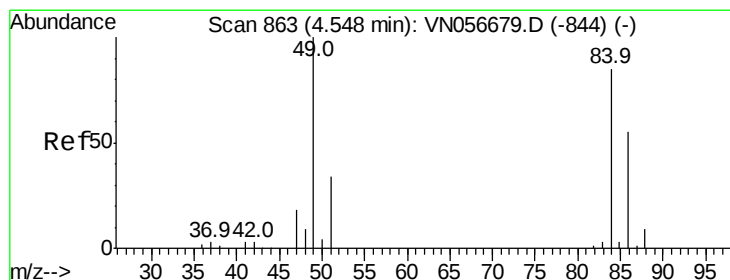
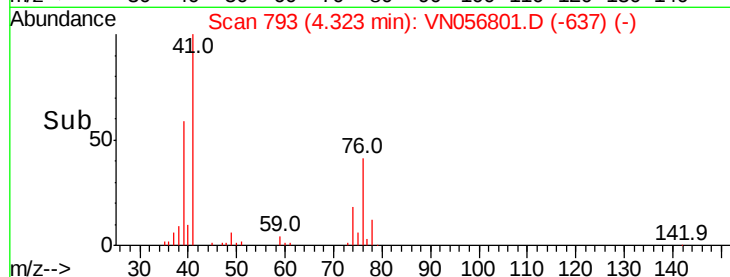
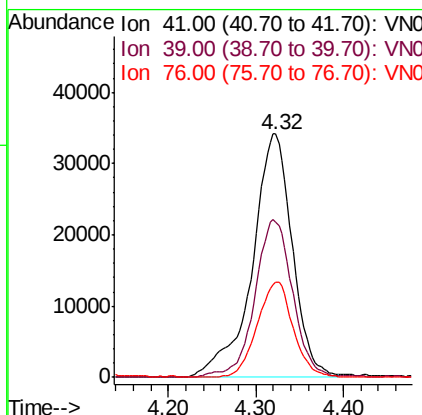
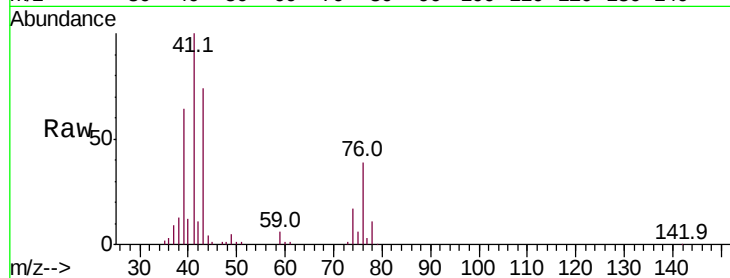
#17
Allvl chloride
Concen: 19.704 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	63.8	32.8	98.4	
76	39.0	18.5	55.5	

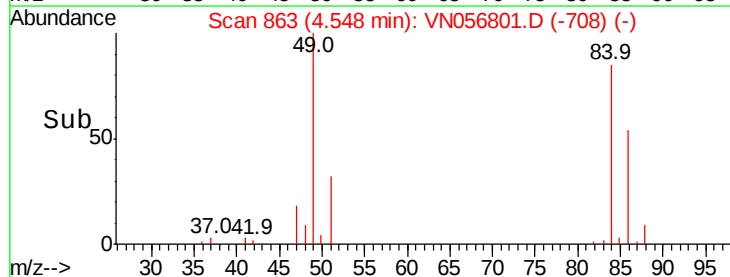
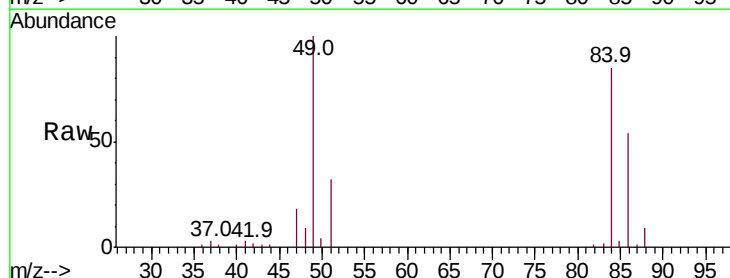
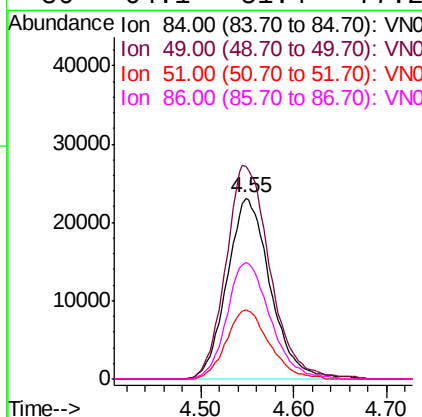
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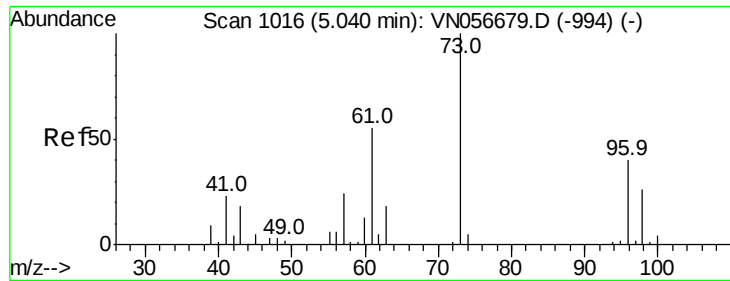
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#18
Methylene Chloride
Concen: 20.216 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
84	100			
49	117.0	93.9	140.9	
51	38.0	31.7	47.5	
86	64.1	51.4	77.2	





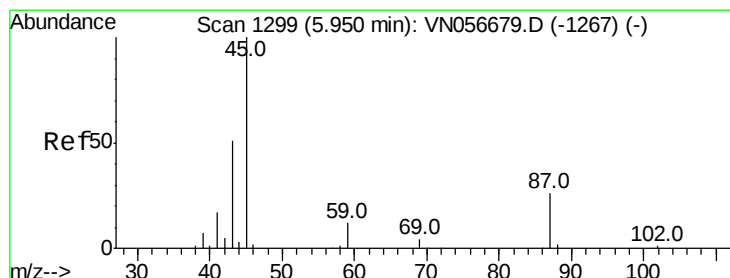
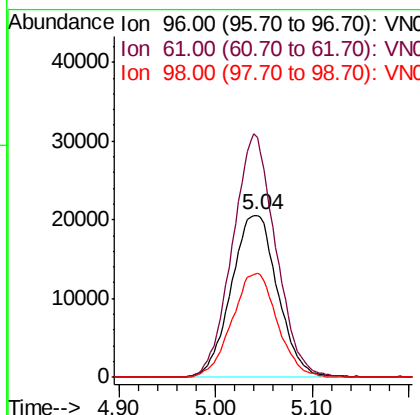
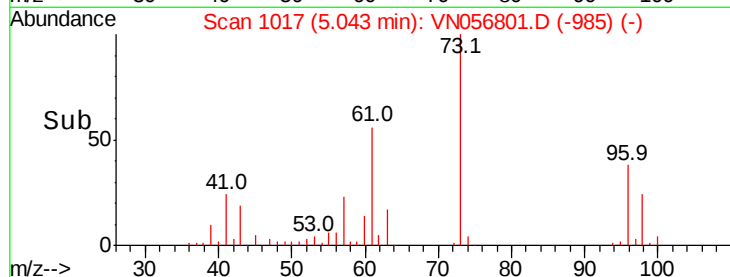
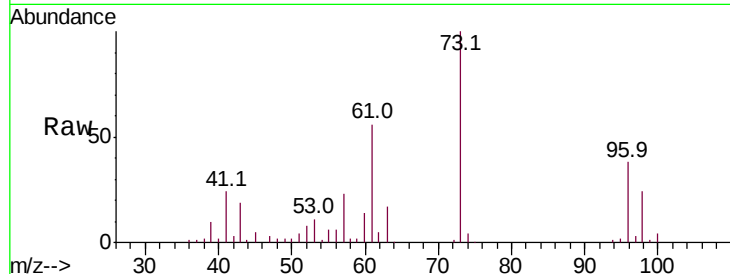
#19
trans-1,2-Dichloroethene
Concen: 20.325 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	109.6	164.4
98	64.5	51.4	77.2

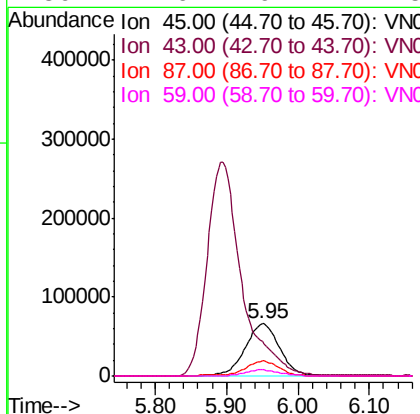
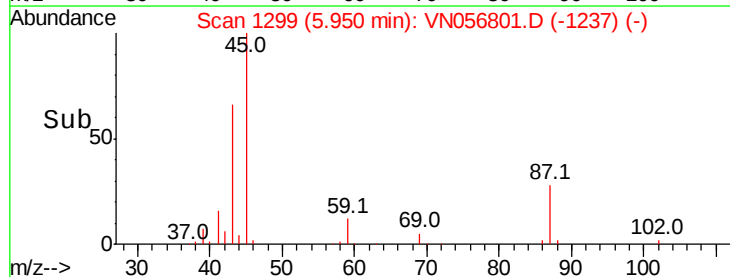
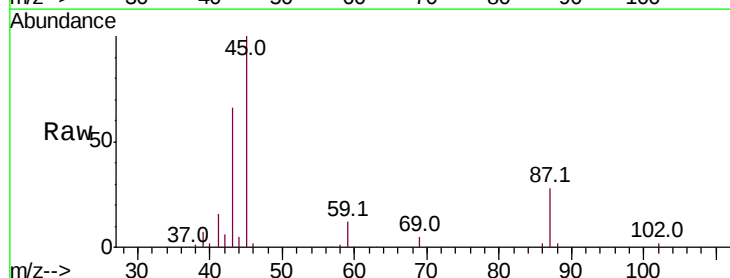
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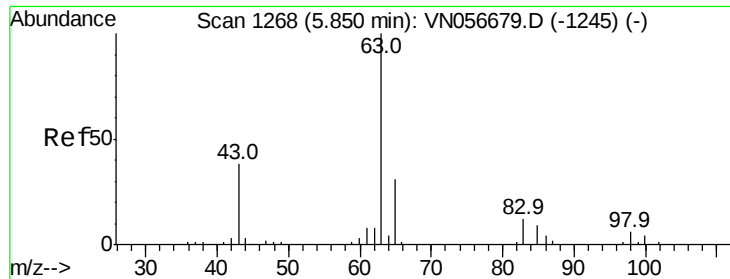
MMDadoda
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#20
Diisopropyl ether
Concen: 20.420 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	50.3	75.5
87	28.2	21.4	32.0
59	11.6	9.7	14.5





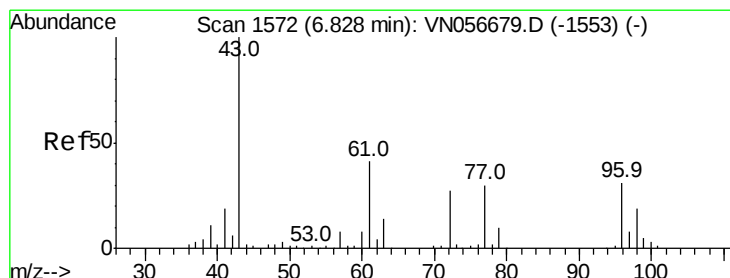
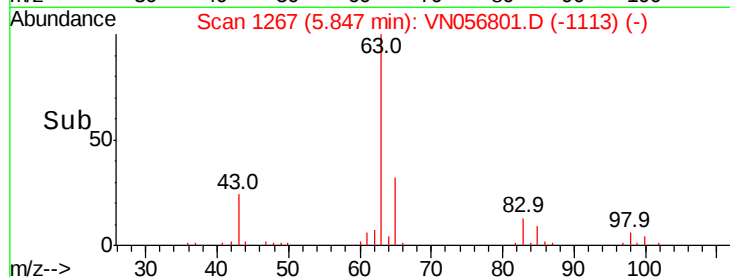
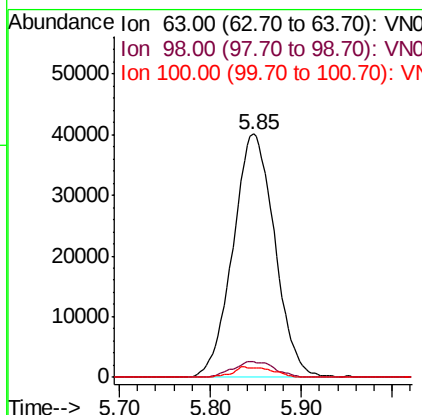
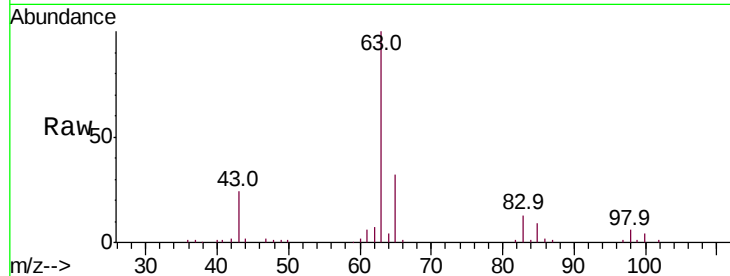
#21
 1,1-Dichloroethane
 Concen: 20.361 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	127744		
98	6.4	3.3	9.8	
100	3.6	2.1	6.3	

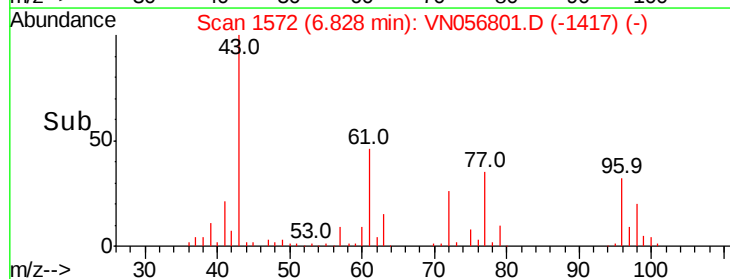
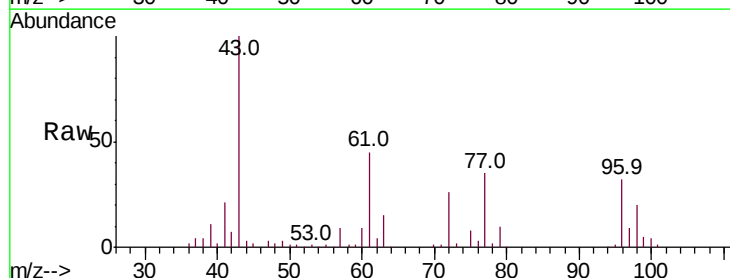
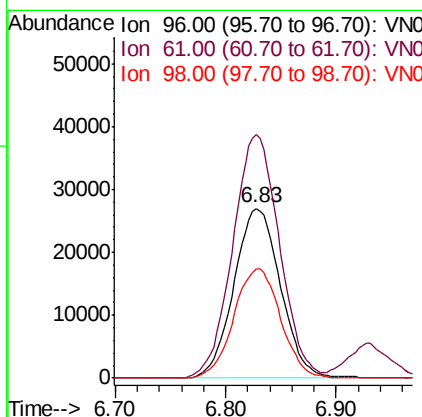
Manual Integrations
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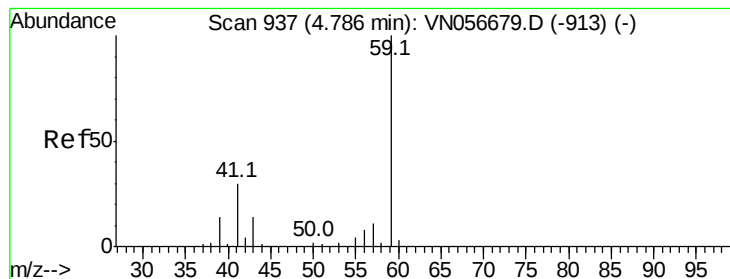
MMDadoda
 7/19/2019 11:31:31 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.982 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	78801		
61	144.1	112.1	168.1	
98	64.8	52.2	78.2	





#23

tert-Butyl Alcohol

Concen: 96.643 ug/l

RT: 4.78 min Scan# 935

Delta R.T. -0.01 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 59 Resp: 62626

Ion Ratio Lower Upper

59 100

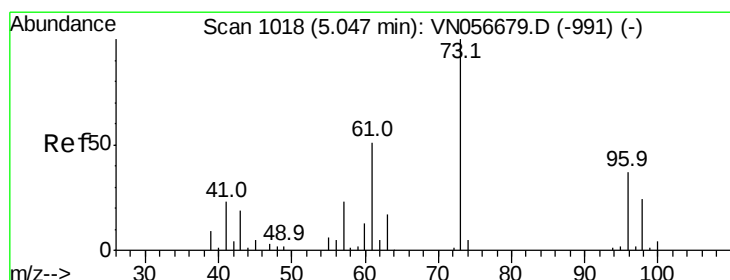
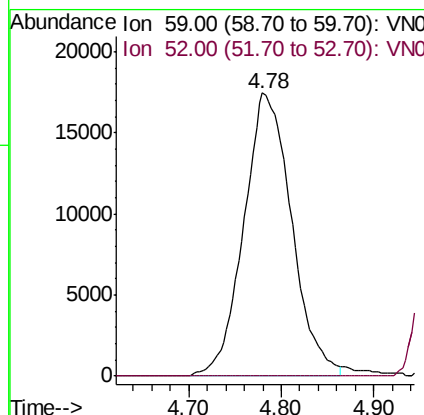
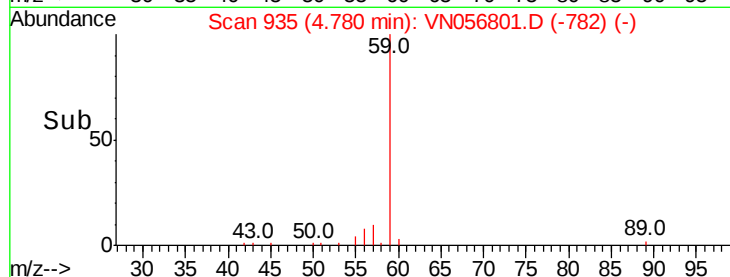
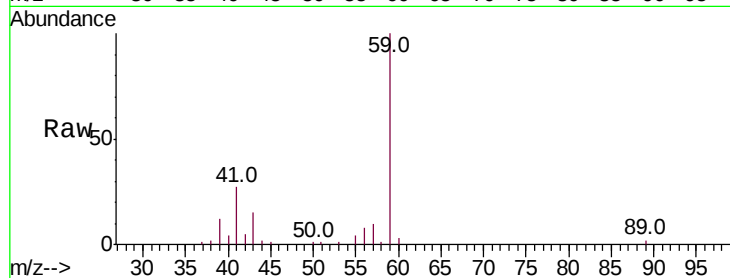
52 0.0 0.1 0.1#

Manual Integrations

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#24

Methyl tert-Butyl Ether

Concen: 20.063 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN056801.D

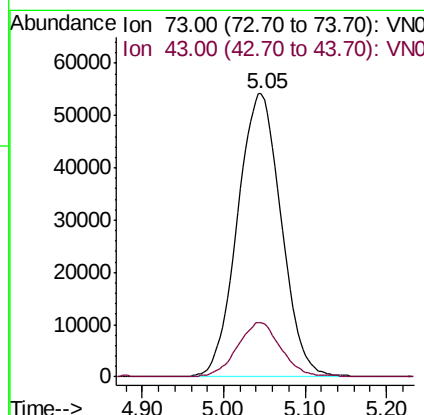
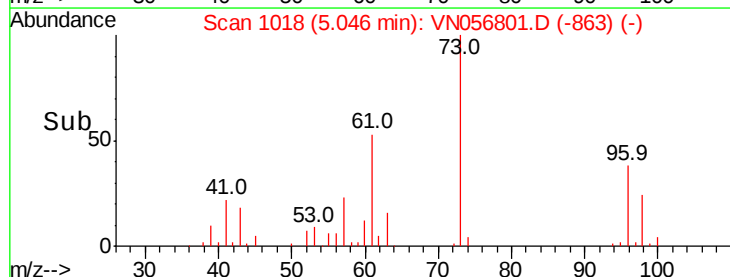
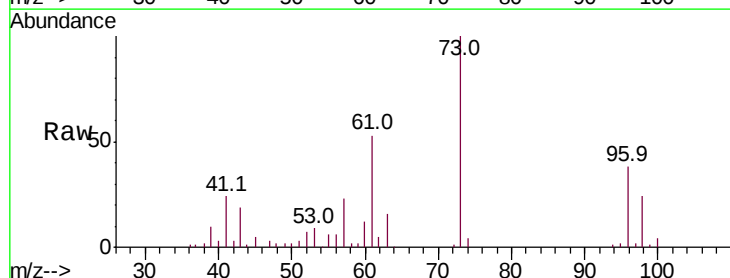
Acq: 18 Jul 2019 9:22

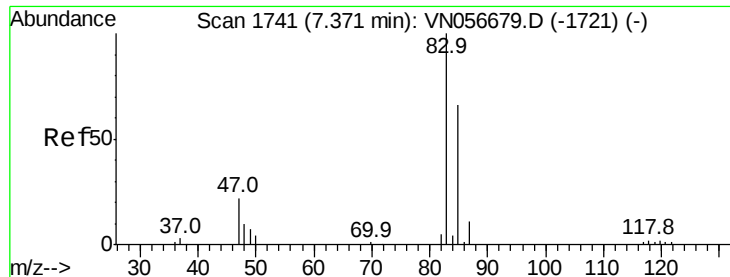
Tgt Ion: 73 Resp: 201590

Ion Ratio Lower Upper

73 100

43 18.6 15.1 22.7





#25

Chloroform

Concen: 20.529 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 125480

Ion Ratio Lower Upper

83 100

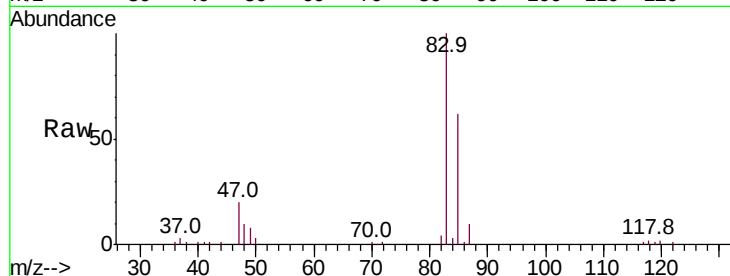
85 61.7 52.6 79.0

Manual Integrations

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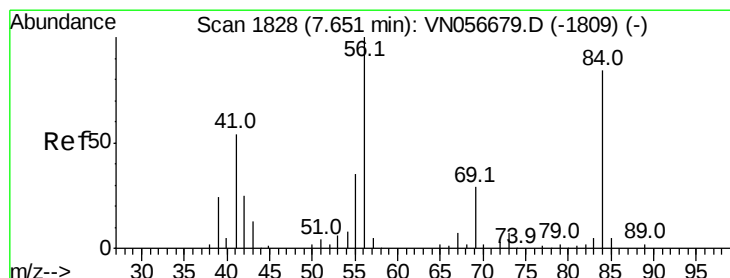
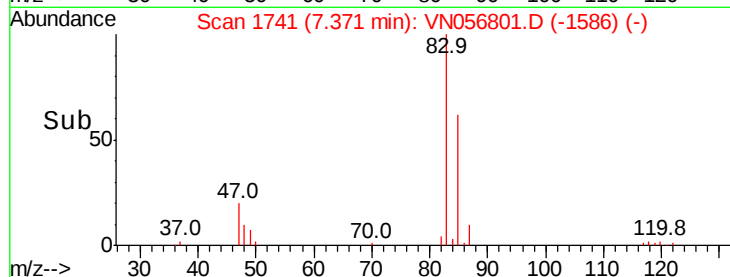
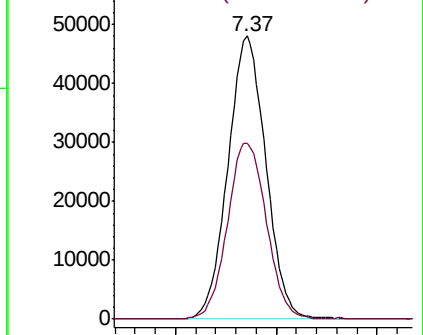
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 20.529 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

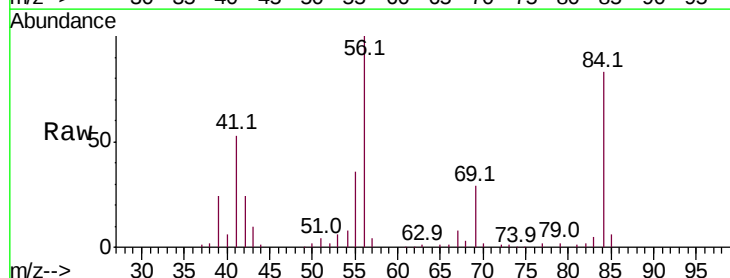
Tgt Ion: 56 Resp: 119720

Ion Ratio Lower Upper

56 100

89 0.0 1.4 2.2#

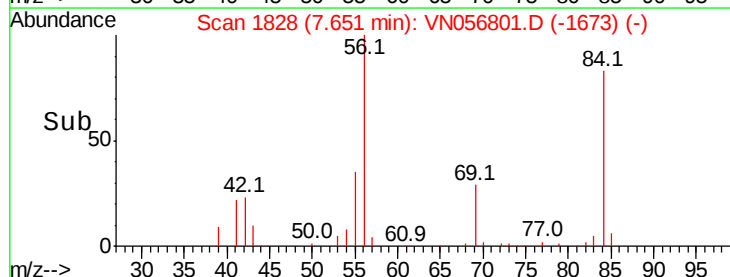
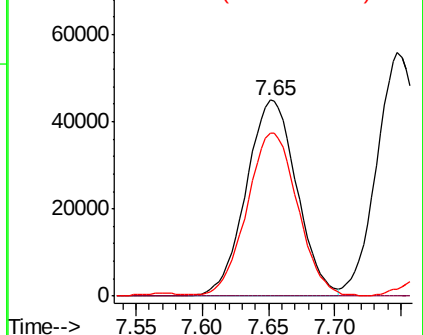
84 83.5 68.2 102.4

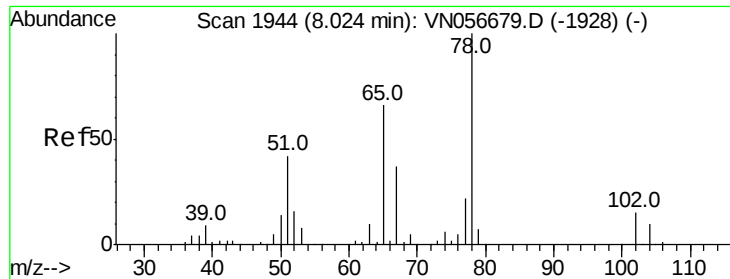


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





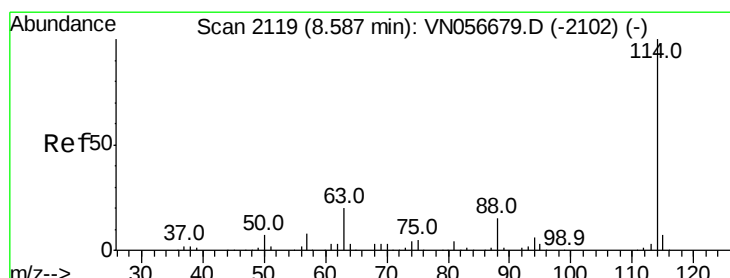
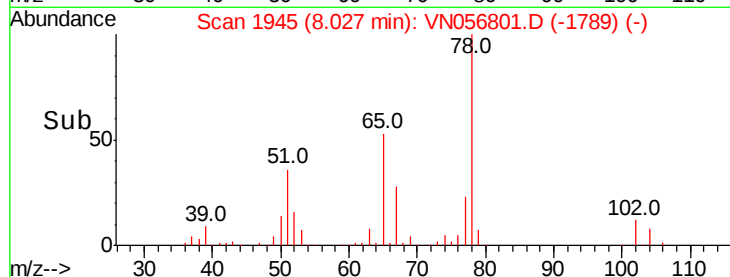
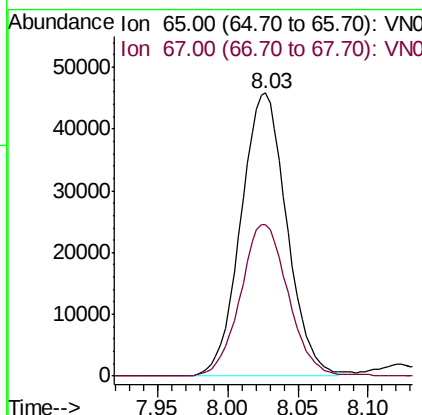
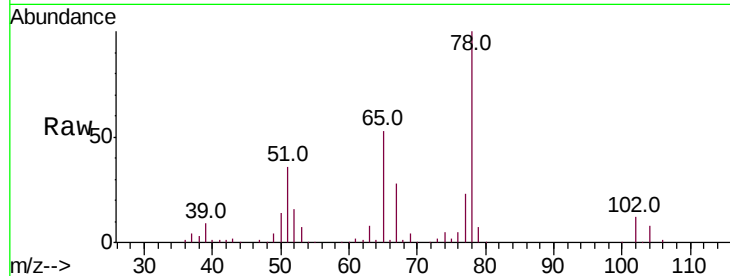
#27
 1,2-Dichloroethane-d4
 Concen: 28.827 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 104300
 Ion Ratio Lower Upper
 65 100
 67 55.6 43.4 65.0

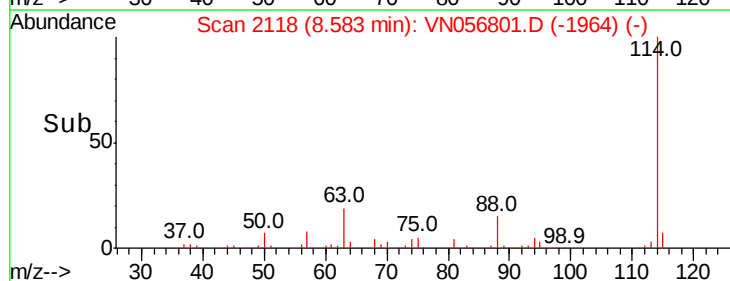
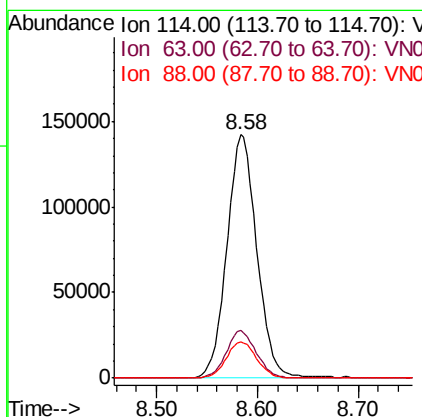
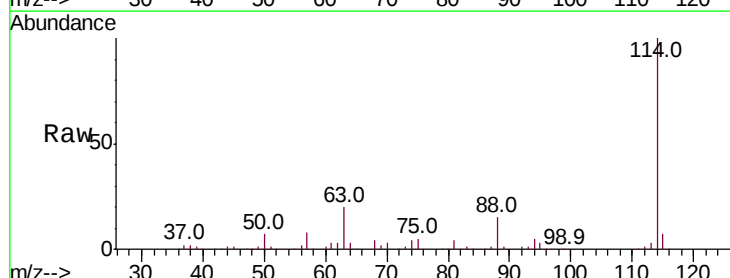
Manual Integrations
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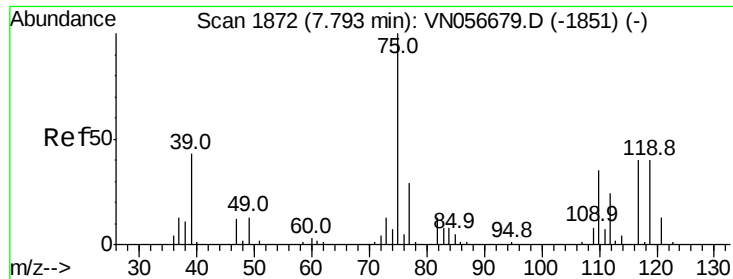
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 114 Resp: 294544
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 15.3 12.3 18.5





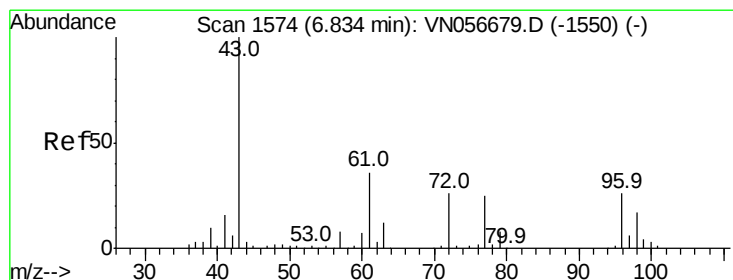
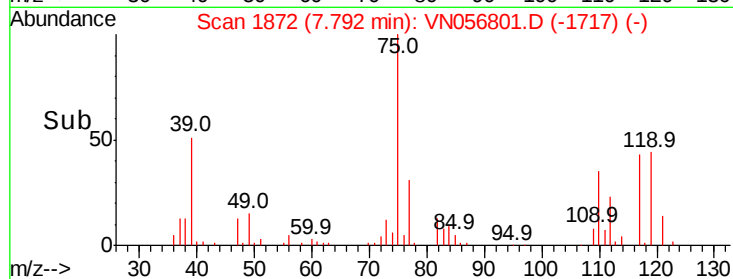
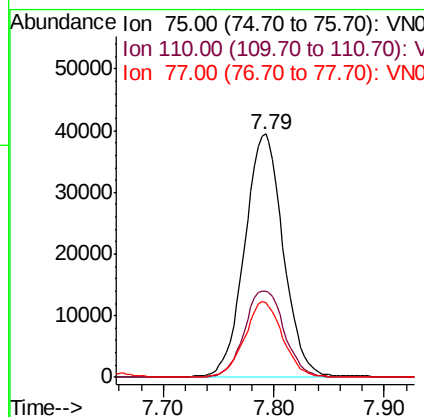
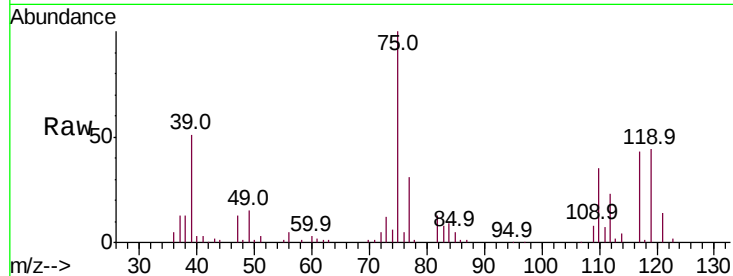
#29
 1,1-Dichloropropene
 Concen: 20.423 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.5	0.0	72.4
77	30.6	0.0	62.2

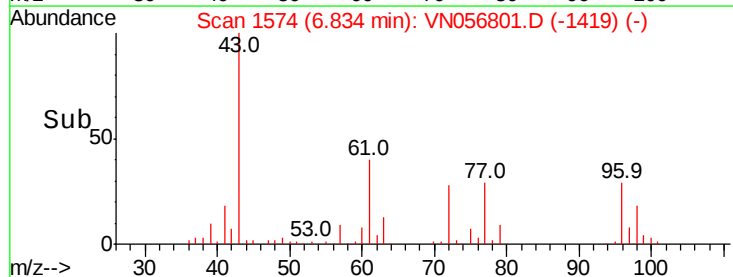
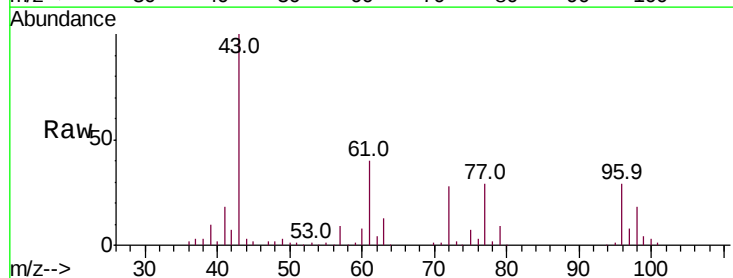
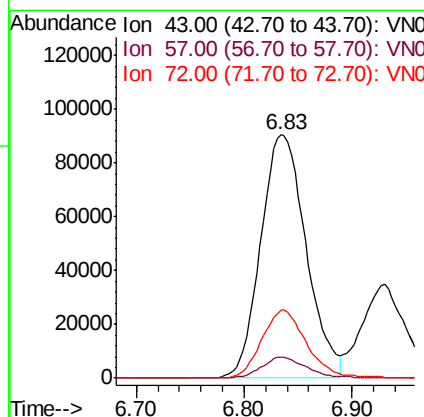
Manual Integrations
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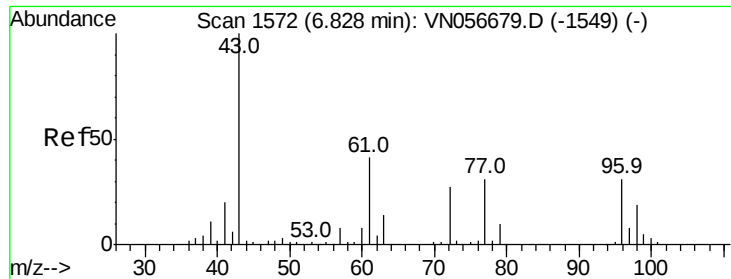
MMDadoda
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#30
 2-Butanone
 Concen: 97.454 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.6	10.0
72	27.7	21.3	31.9





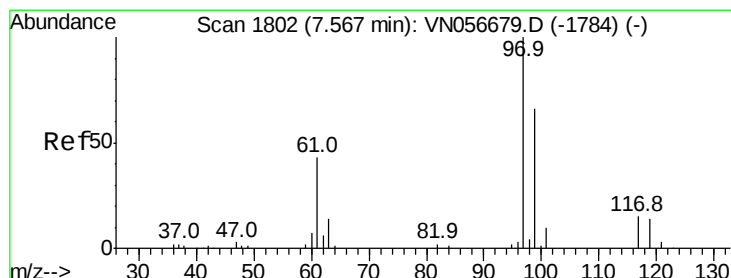
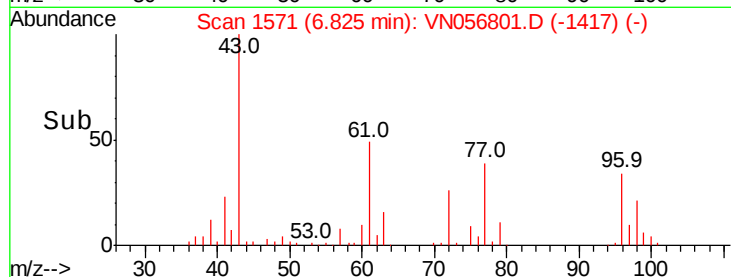
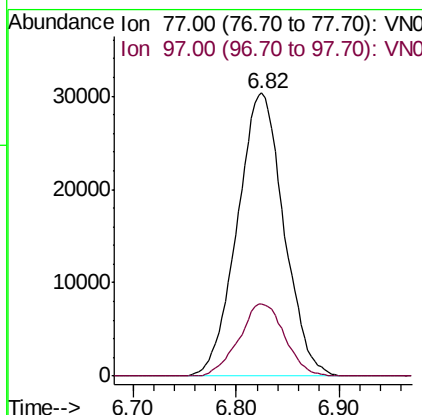
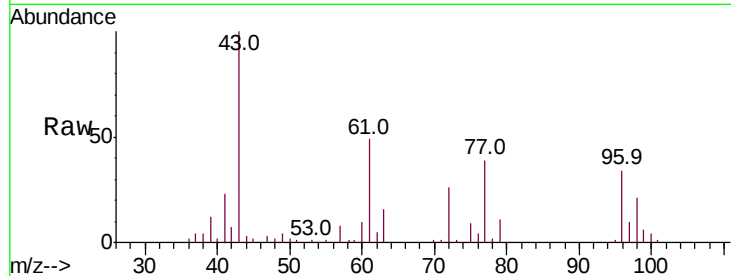
#31
 2,2-Dichloropropane
 Concen: 20.963 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 94988
 Ion Ratio Lower Upper
 77 100
 97 25.1 19.7 29.5

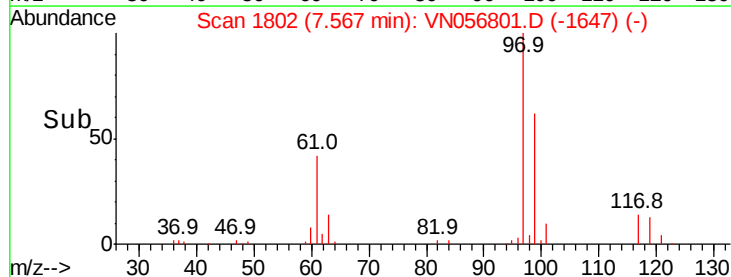
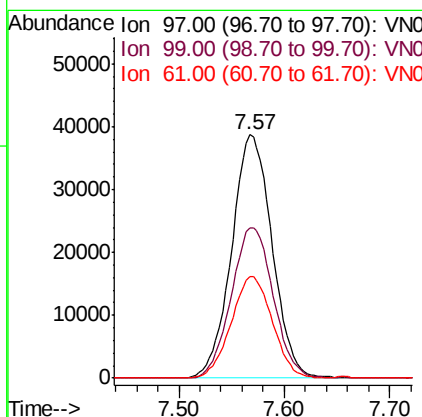
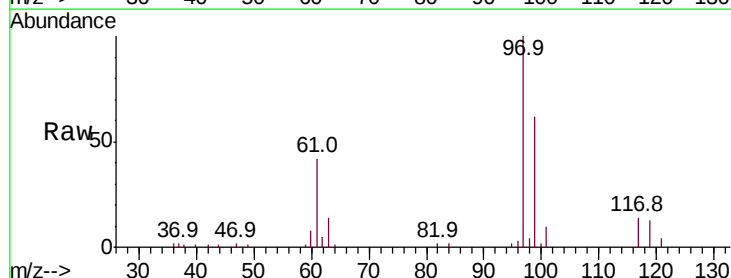
Manual Integrations
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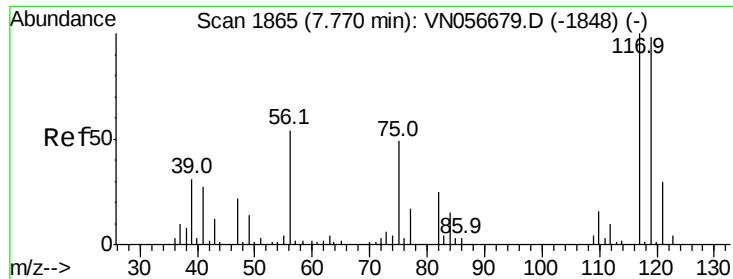
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 20.692 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 97 Resp: 103269
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.0 78.0
 61 42.5 34.4 51.6





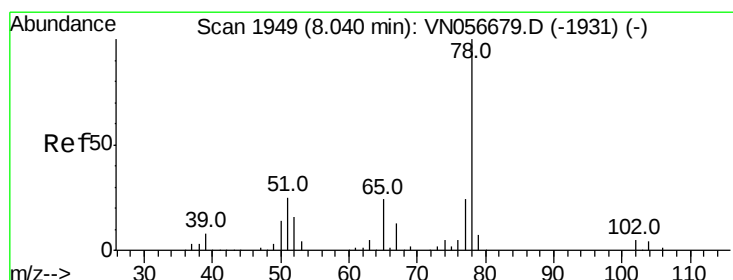
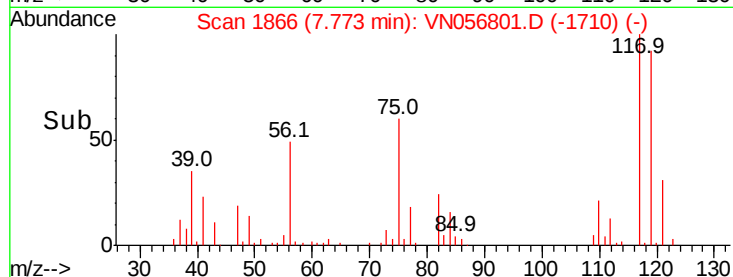
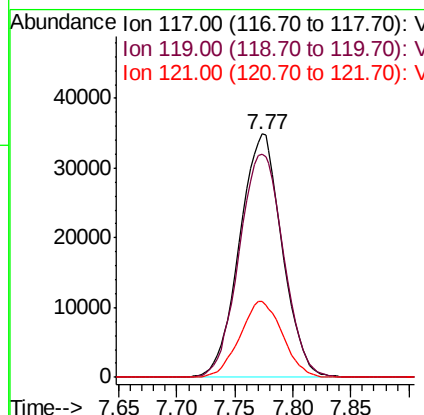
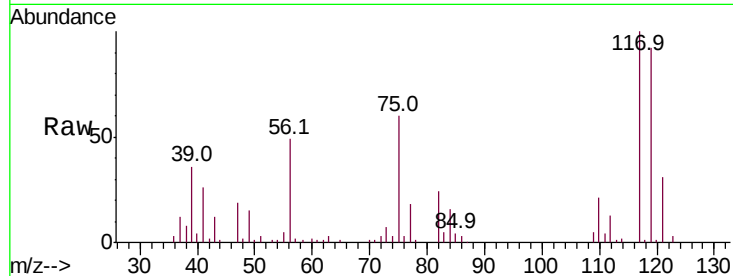
#33
Carbon Tetrachloride
Concen: 20.731 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 89035
Ion Ratio Lower Upper
117 100
119 91.8 78.7 118.1
121 31.0 24.0 36.0

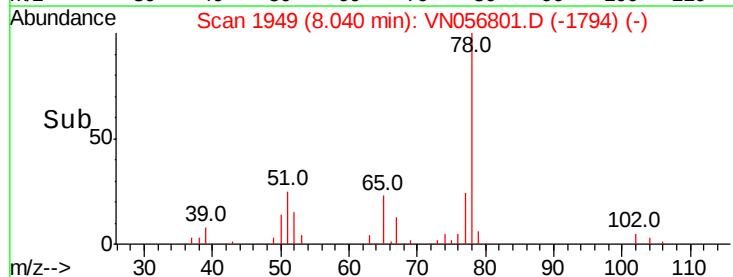
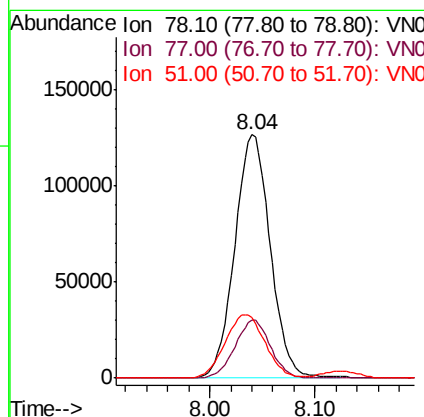
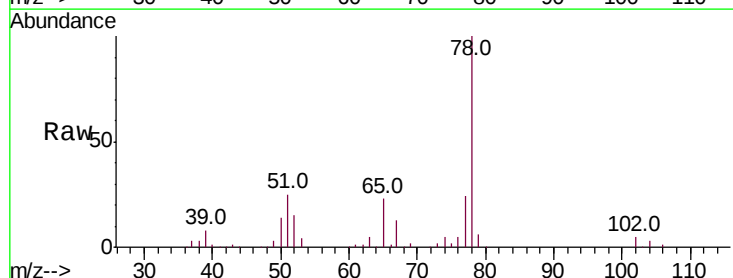
Manual Integrations
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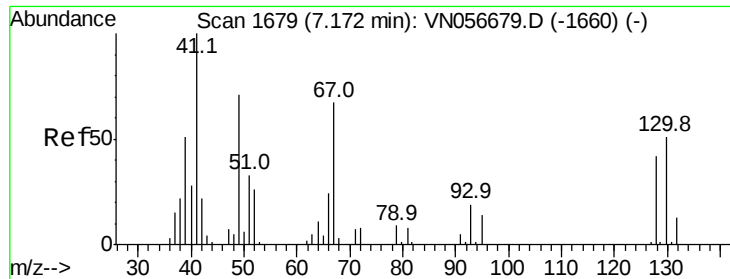
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#34
Benzene
Concen: 20.601 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 78 Resp: 296366
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4
51 24.6 19.7 29.5





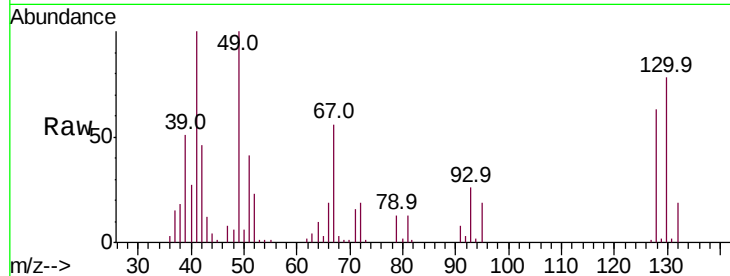
#35
Methacrylonitrile
Concen: 19.821 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

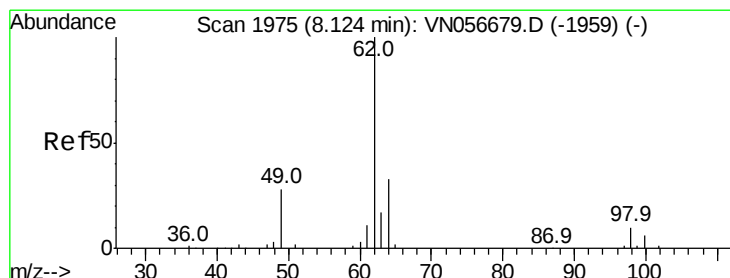
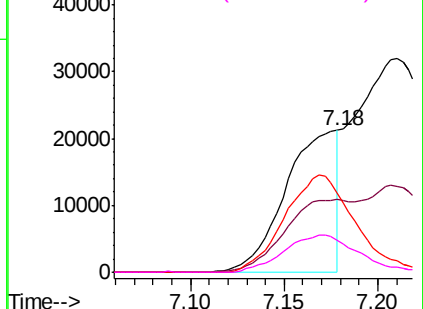
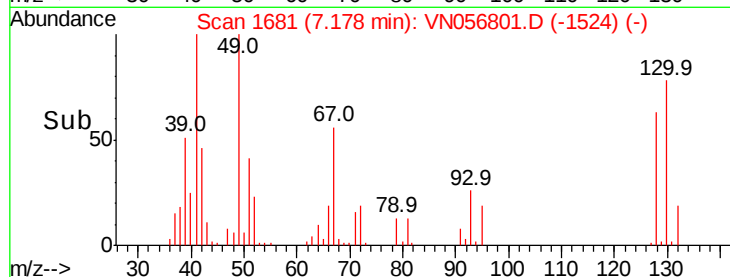
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	25.4	76.2	
67	56.2	33.6	100.8	
52	22.7	12.9	38.7	

Manual Integrations
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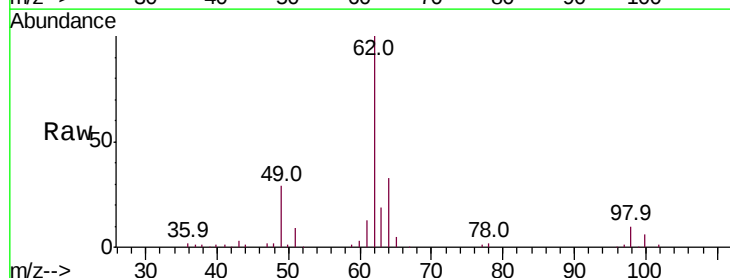


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

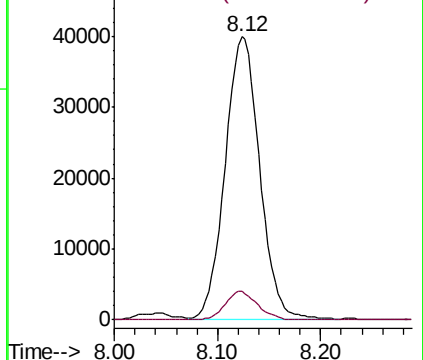
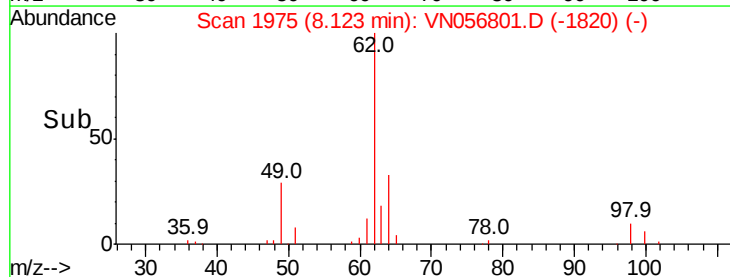


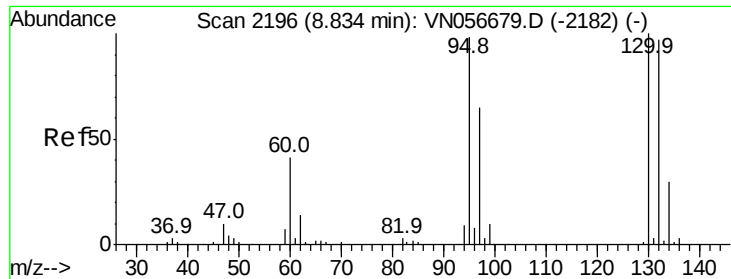
#36
1,2-Dichloroethane
Concen: 20.277 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	7.7	11.5	



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





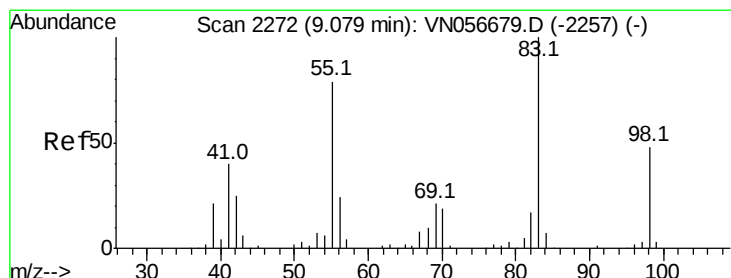
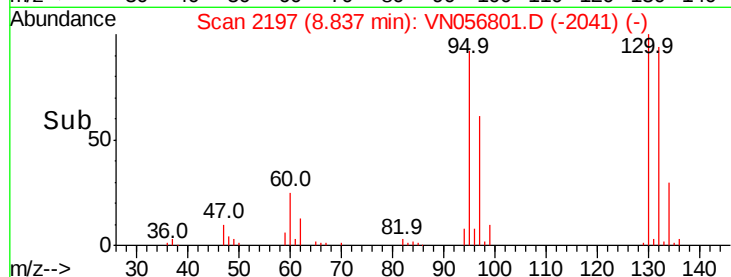
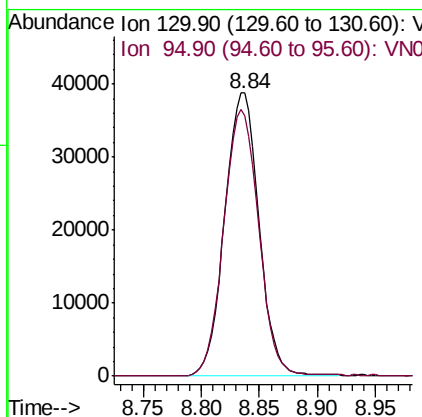
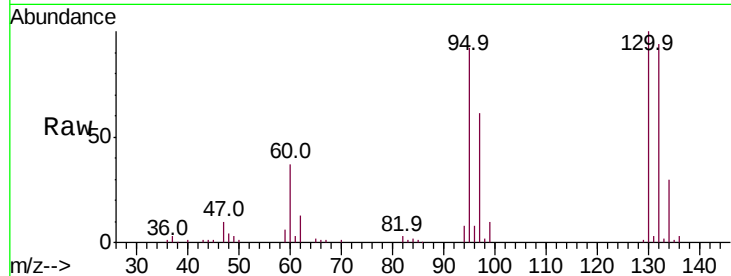
#37
 Trichloroethene
 Concen: 20.341 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 79472
 Ion Ratio Lower Upper
 130 100
 95 91.8 78.4 117.6

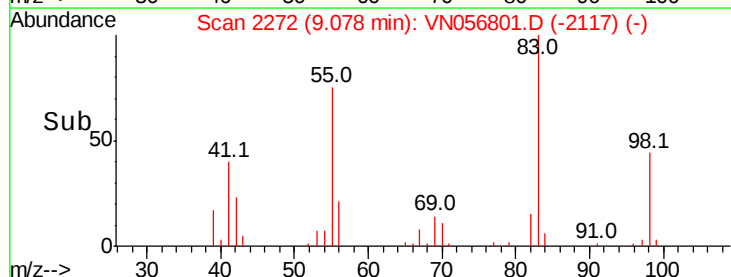
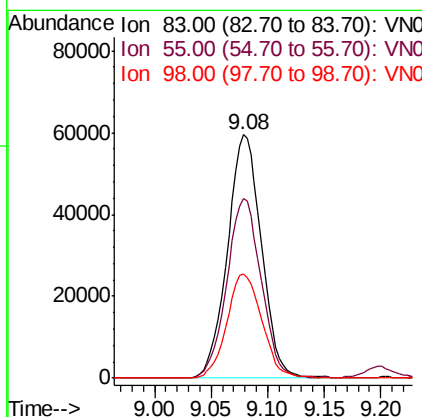
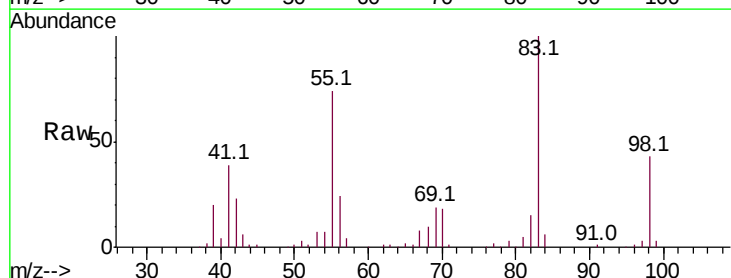
Manual Integrations
 APPROVED

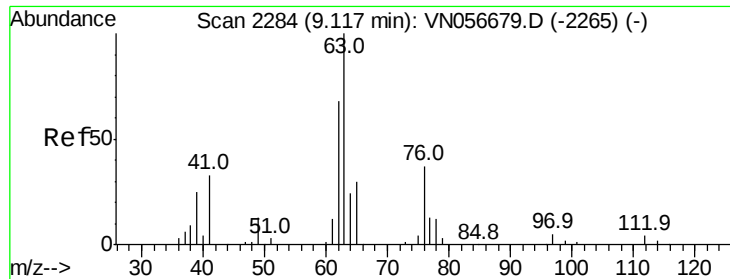
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 7/19/2019 11:31:31 PM



#38
 Methylcyclohexane
 Concen: 21.011 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 83 Resp: 124273
 Ion Ratio Lower Upper
 83 100
 55 74.5 38.4 115.2
 98 44.1 23.3 69.9





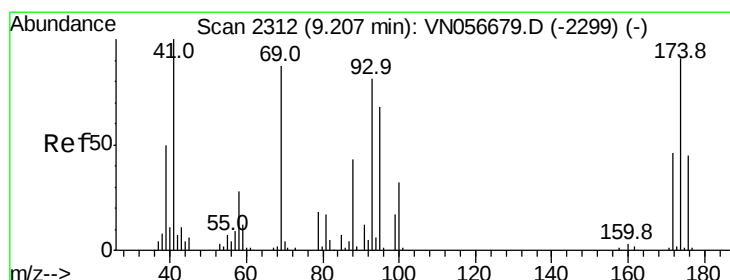
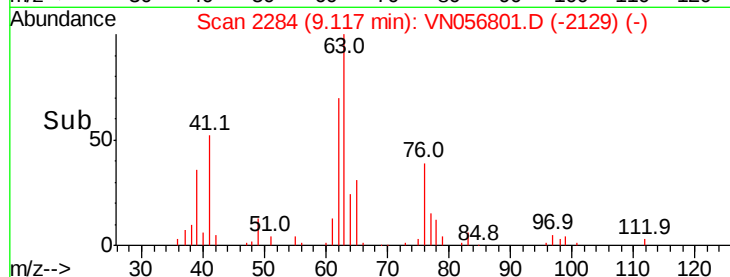
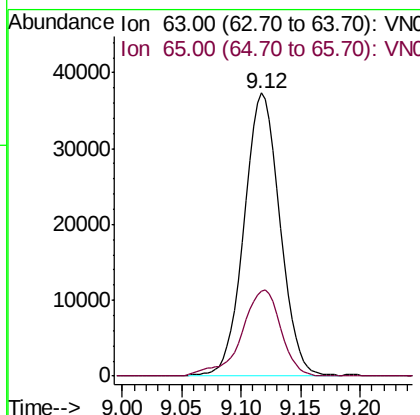
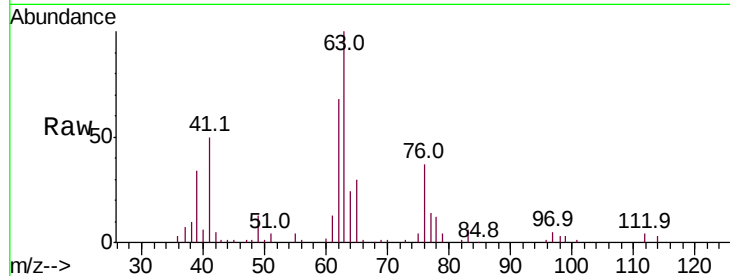
#39
 1,2-Dichloropropane
 Concen: 20.236 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	36.8

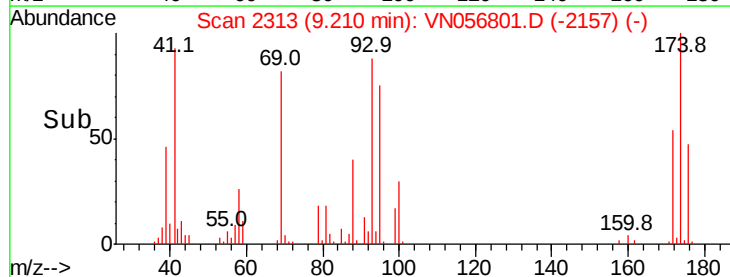
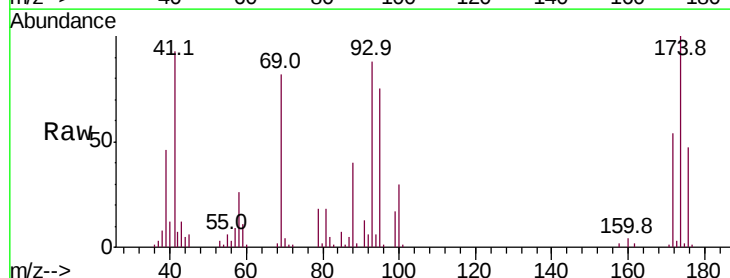
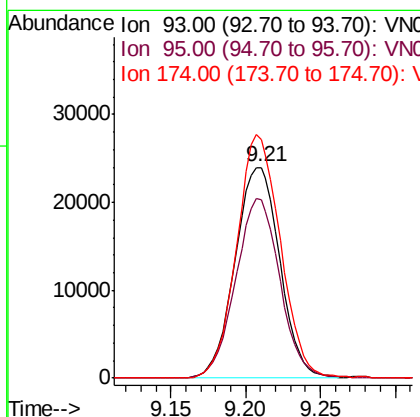
Manual Integrations
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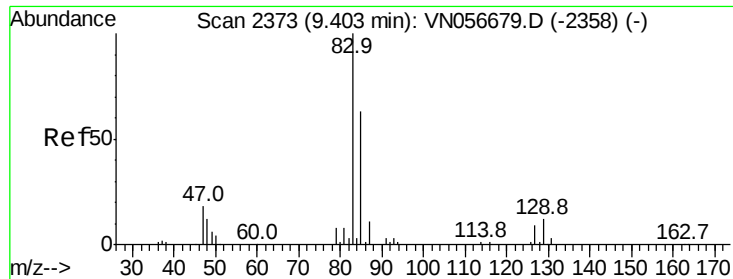
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#40
 Dibromomethane
 Concen: 20.312 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	0.0	167.0
174	112.7	0.0	224.2





#41

Bromodichloromethane

Concen: 20.548 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

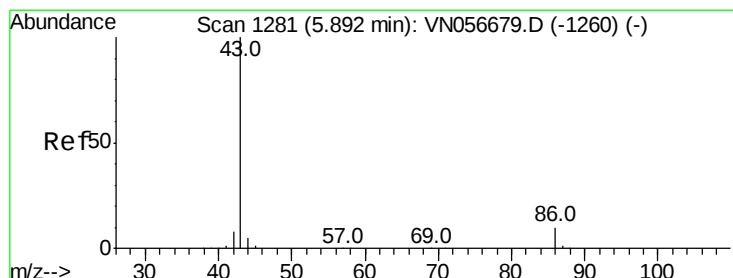
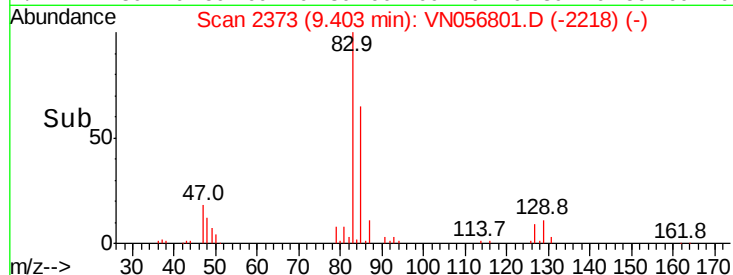
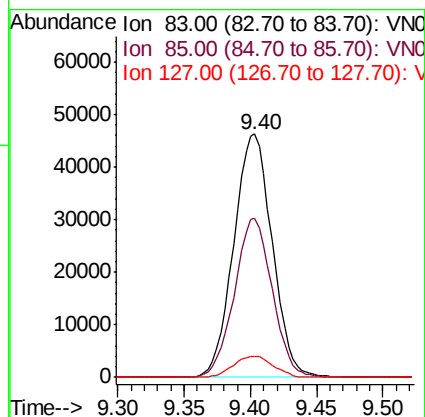
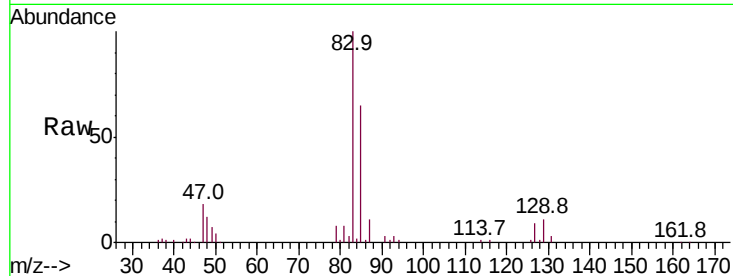
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	93140
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.1	75.1
127	8.7	7.0	10.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 101.075 ug/l

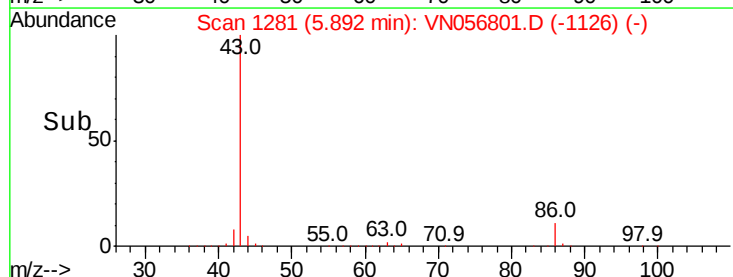
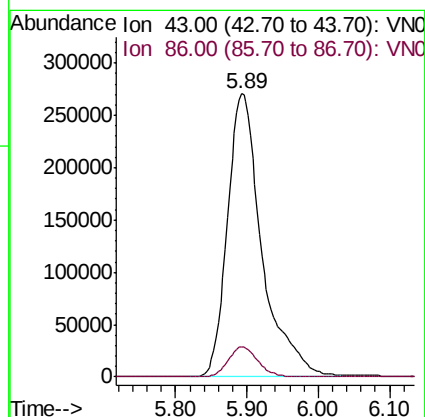
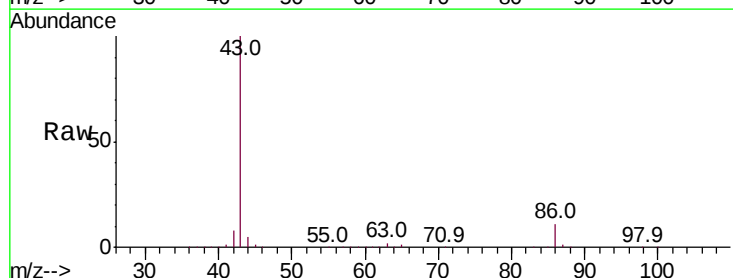
RT: 5.89 min Scan# 1281

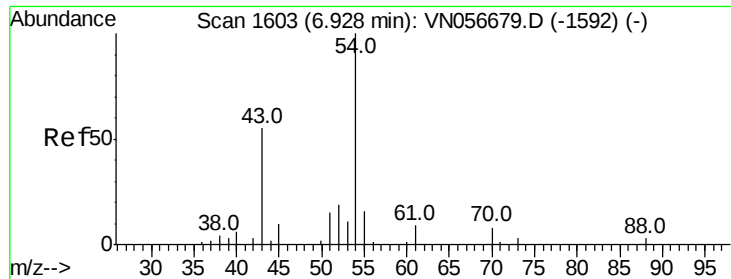
Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Tgt Ion:	43	Resp:	911884
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.4	11.2





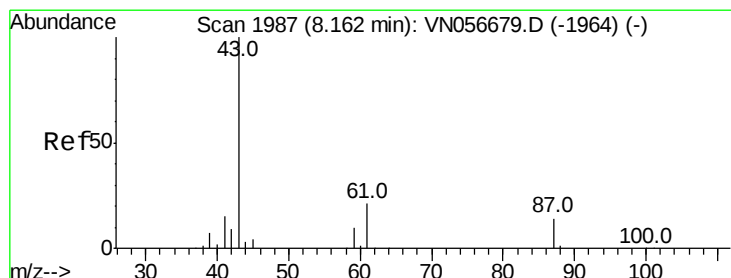
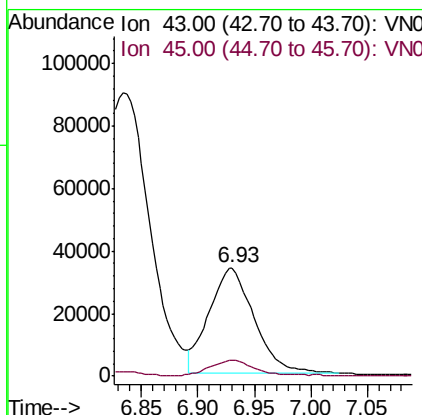
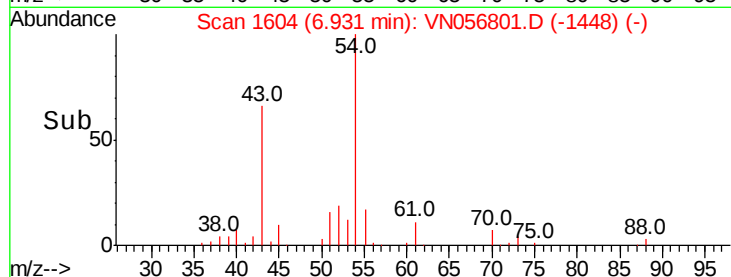
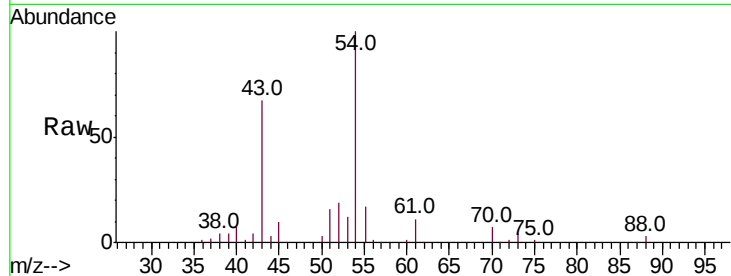
#43
Ethyl Acetate
Concen: 19.172 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 43 Resp: 93917
Ion Ratio Lower Upper
43 100
45 15.2 11.2 16.8

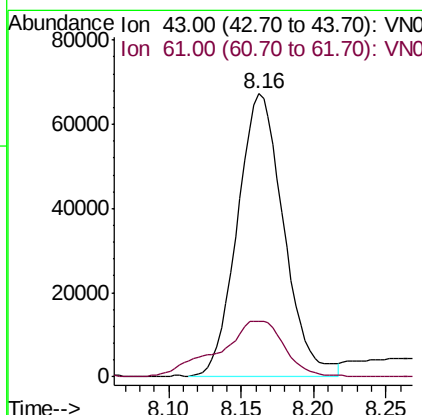
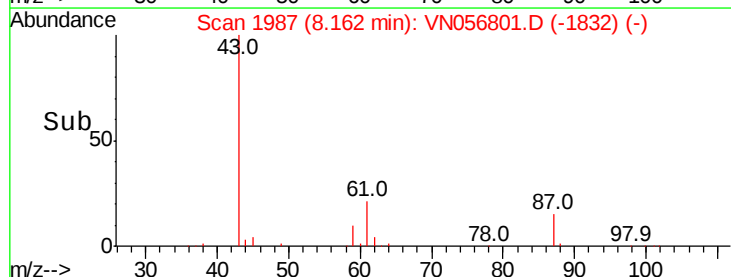
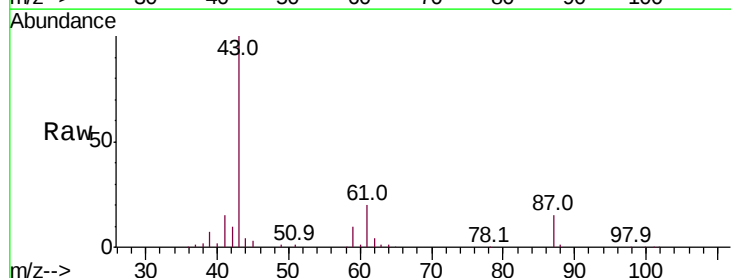
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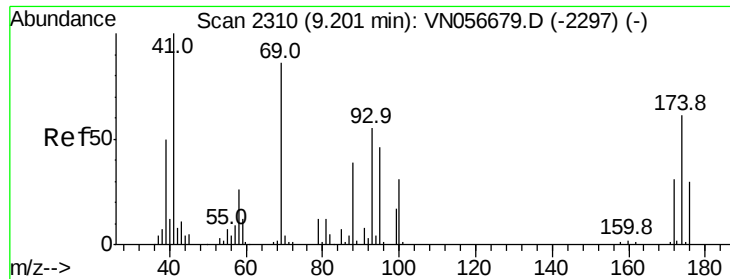
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#44
Isopropyl Acetate
Concen: 19.385 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 43 Resp: 148110
Ion Ratio Lower Upper
43 100
61 17.4 22.6 33.8#





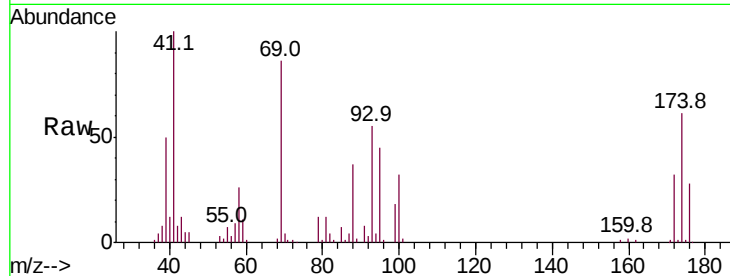
#45
1,4-Dioxane
Concen: 394.734 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

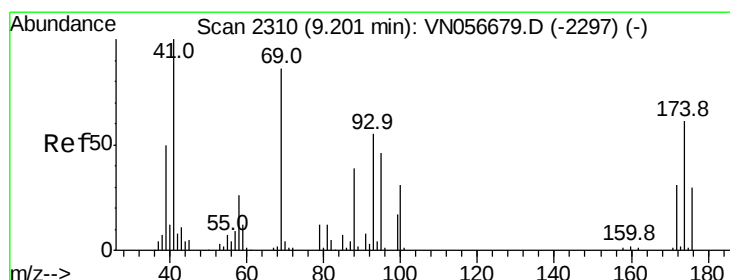
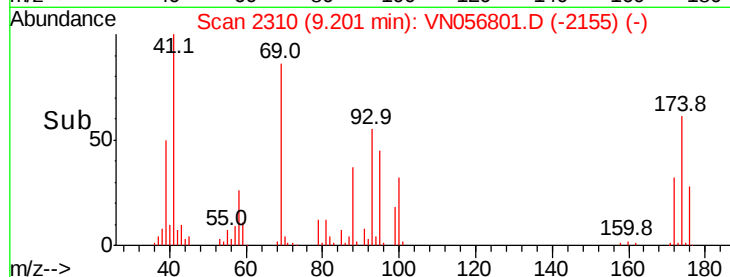
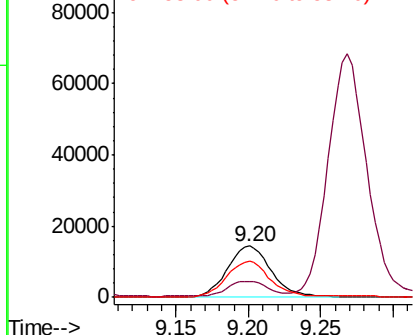
Tot Ion	Ratio	Lower	Upper
88	100		
43	27.2	23.0	34.6
58	69.5	54.6	81.8

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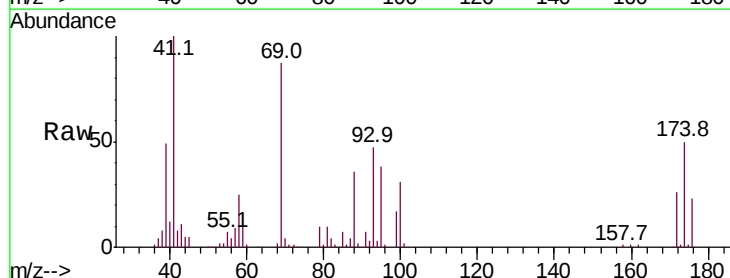


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

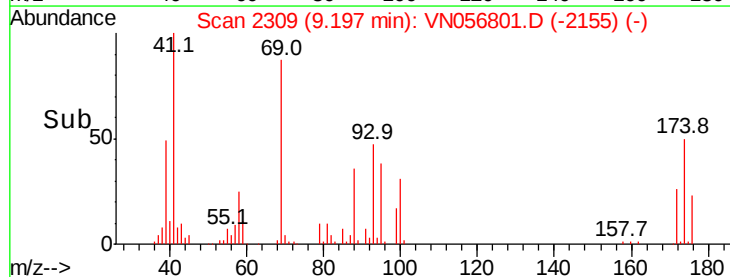
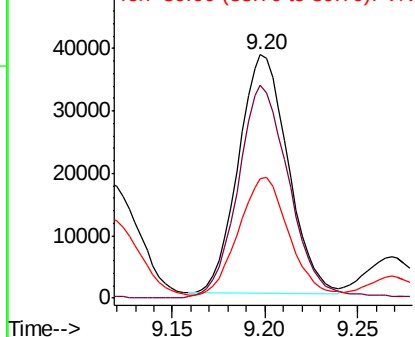


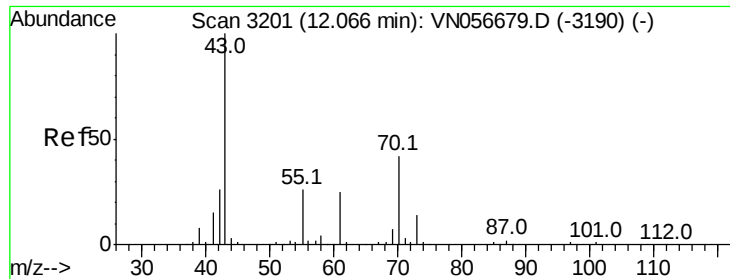
#46
Methyl methacrylate
Concen: 19.343 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.8	43.0	129.0
39	49.0	25.1	75.4



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





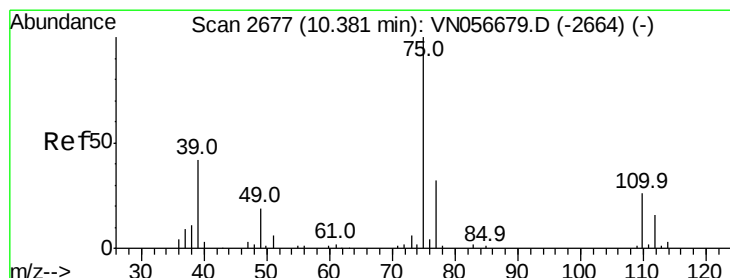
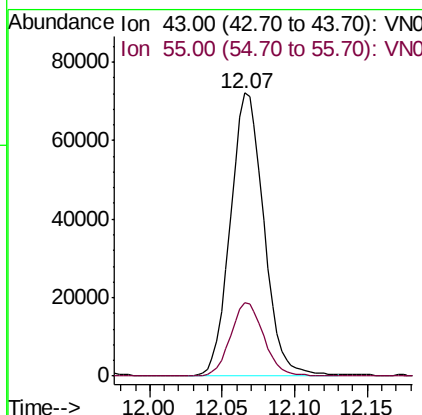
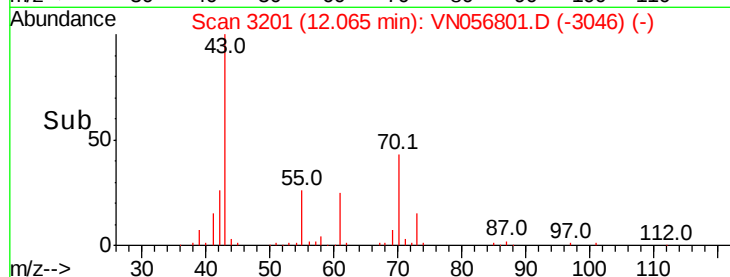
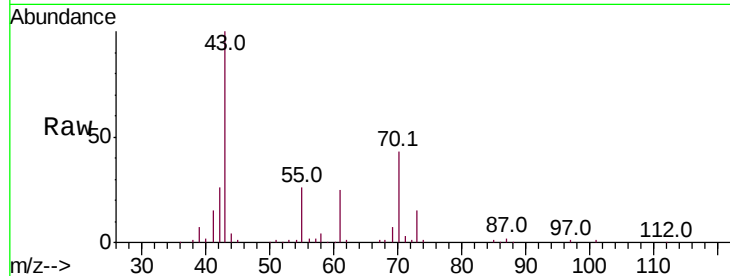
#47
n-amvl Acetate
Concen: 18.518 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 43 Resp: 115707
Ion Ratio Lower Upper
43 100
55 25.7 20.7 31.1

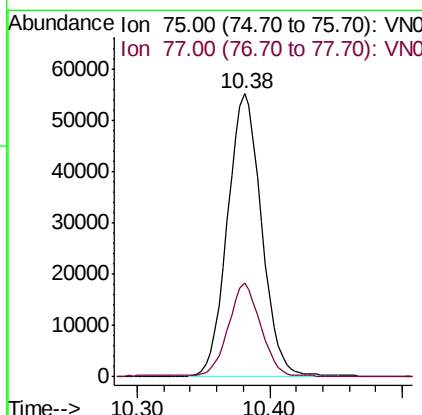
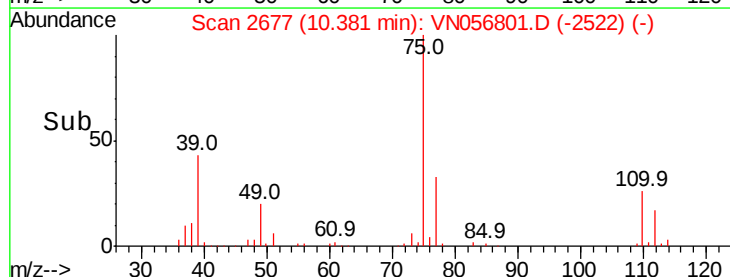
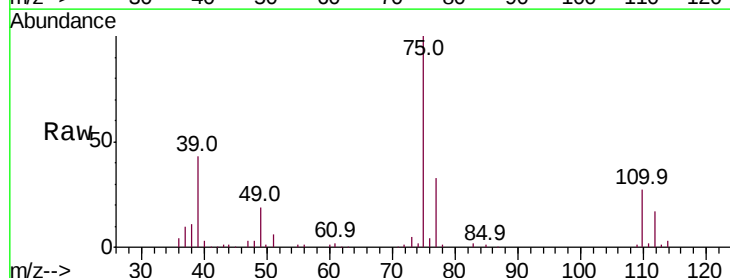
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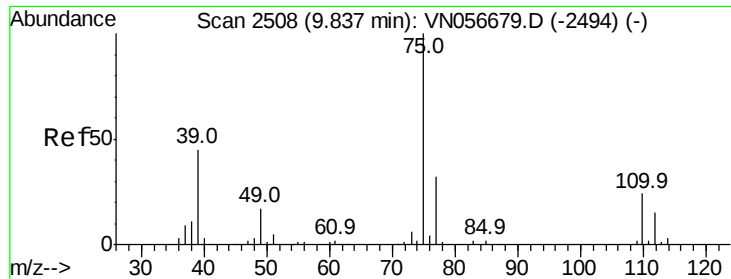
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#48
t-1,3-Dichloropropene
Concen: 19.845 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 75 Resp: 98948
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5





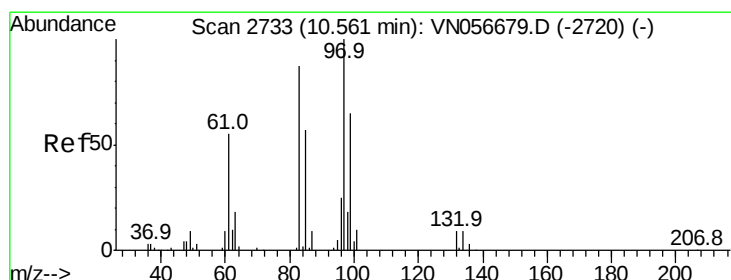
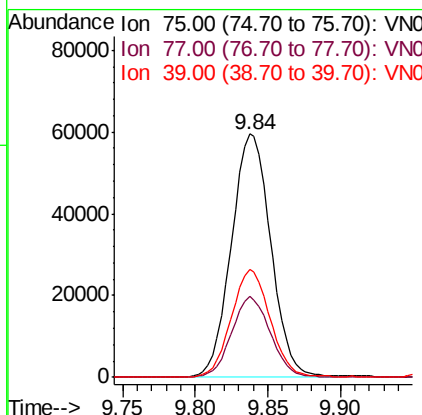
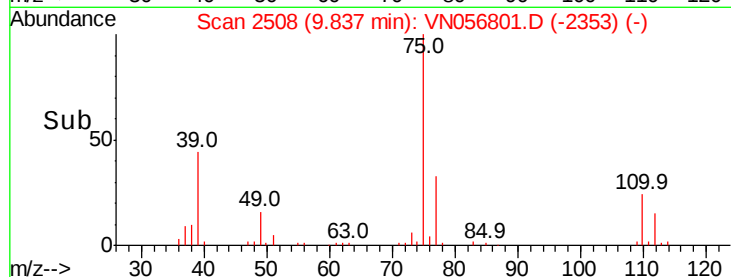
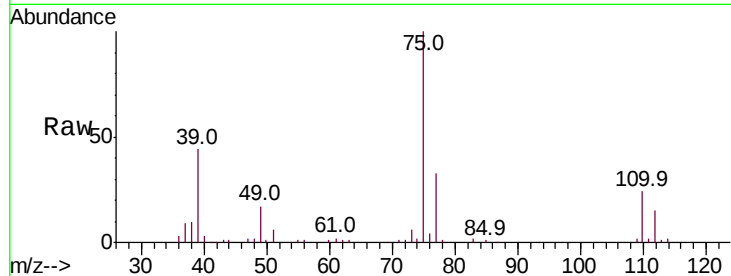
#49
 cis-1,3-Dichloropropene
 Concen: 20.060 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	33.1	26.0	39.0	
39	44.2	36.2	54.4	

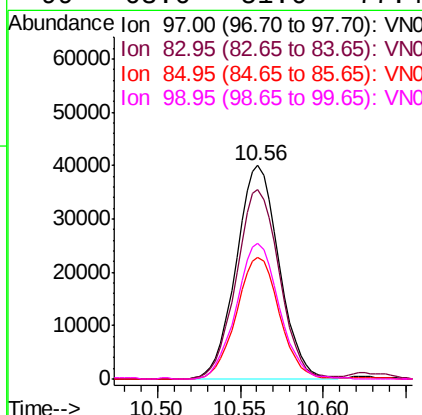
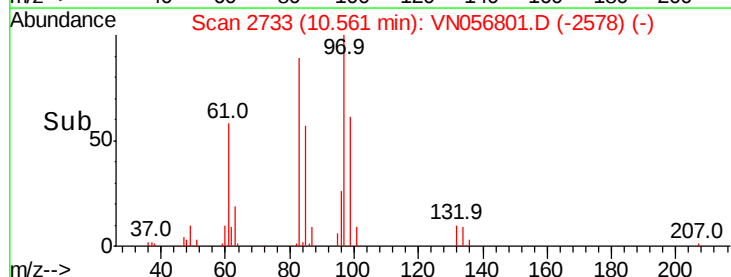
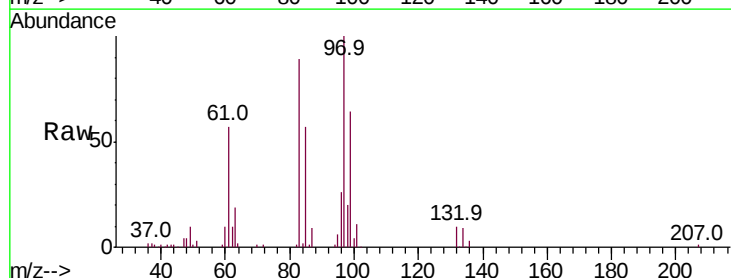
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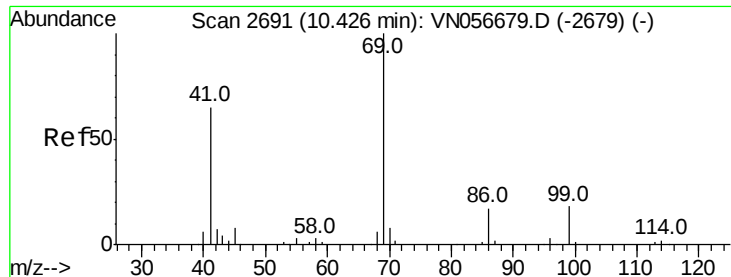
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#50
 1,1,2-Trichloroethane
 Concen: 20.109 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	88.6	69.2	103.8	
85	56.9	45.3	67.9	
99	63.6	51.6	77.4	





#51

Ethyl methacrylate

Concen: 19.423 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

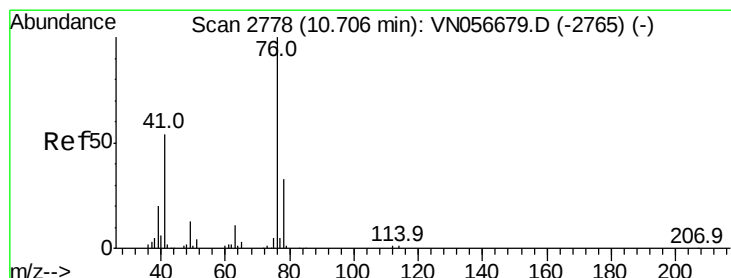
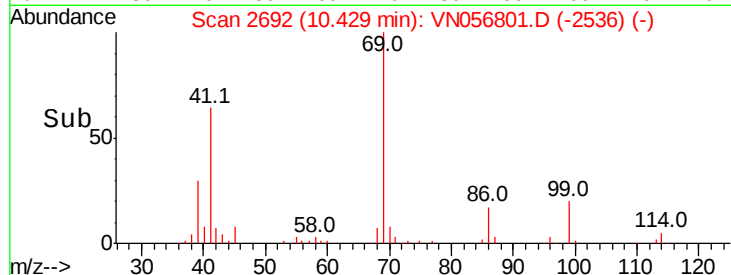
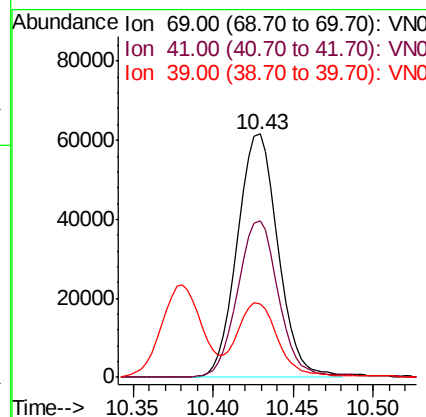
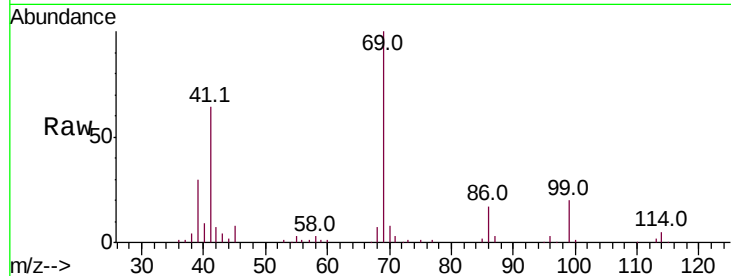
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	107049
Ion Ratio	Lower	Upper	
69	100		
41	63.9	32.8	98.3
39	29.7	15.4	46.2

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#52

1,3-Dichloropropane

Concen: 20.329 ug/l

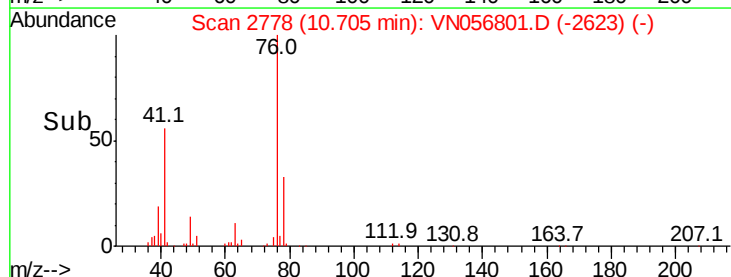
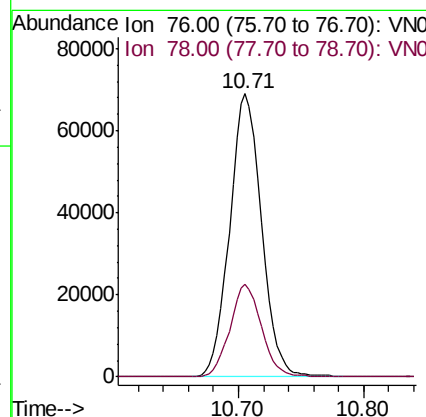
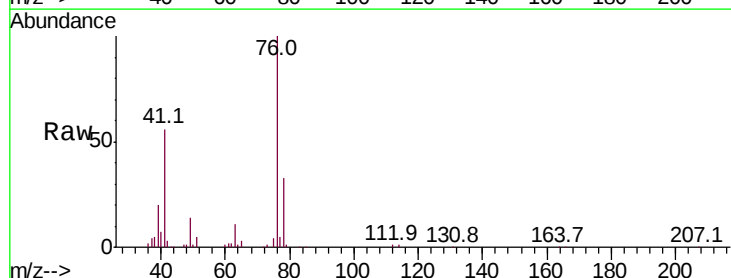
RT: 10.71 min Scan# 2778

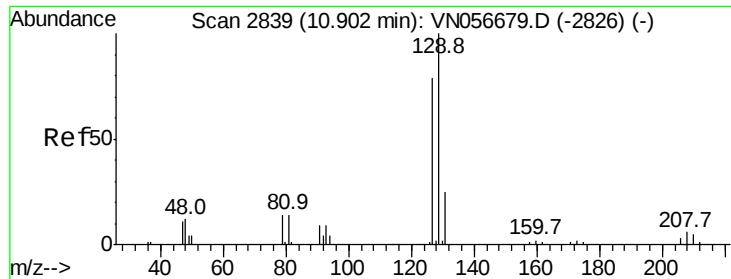
Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Tgt Ion:	76	Resp:	121886
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	63.6





#53

Dibromochloromethane

Concen: 20.390 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 73841

Ion Ratio Lower Upper

129 100

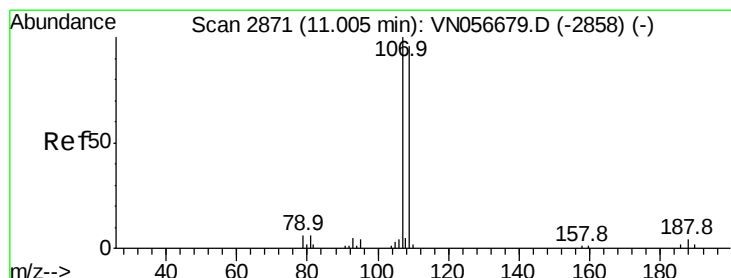
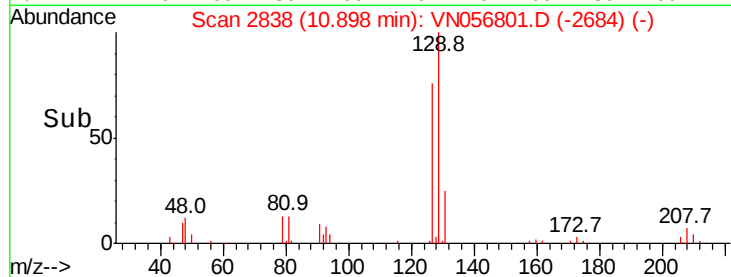
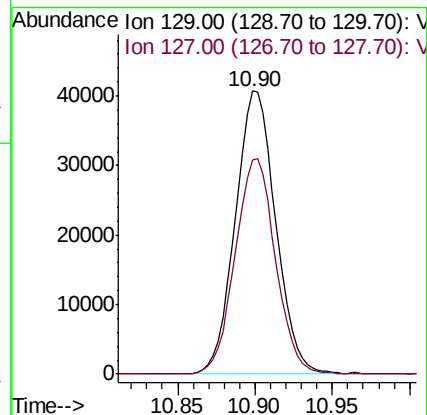
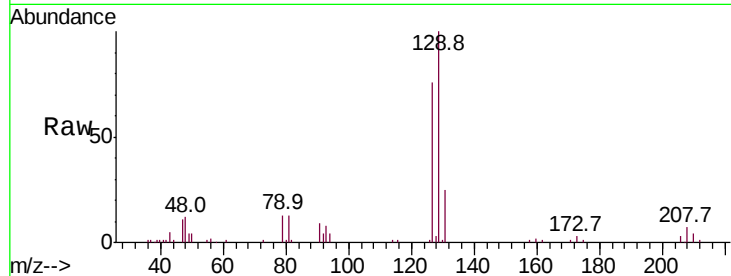
127 75.9 38.7 116.1

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#54

1,2-Dibromoethane

Concen: 20.456 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056801.D

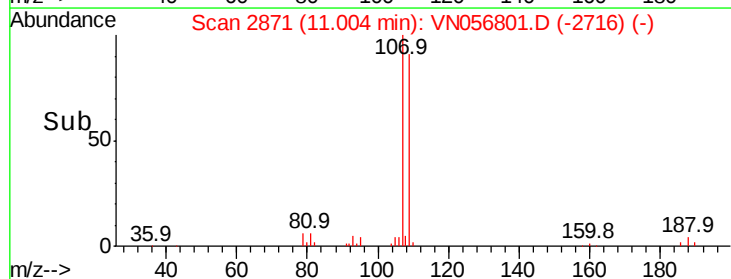
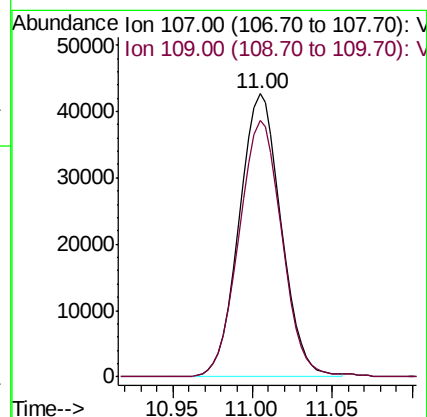
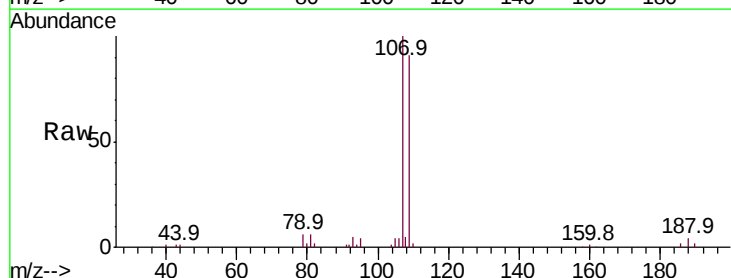
Acq: 18 Jul 2019 9:22

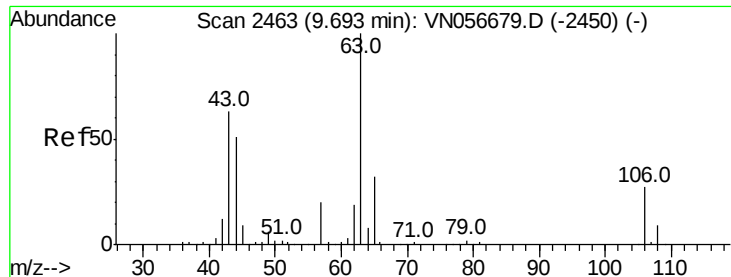
Tgt Ion:107 Resp: 76179

Ion Ratio Lower Upper

107 100

109 92.5 77.9 116.9





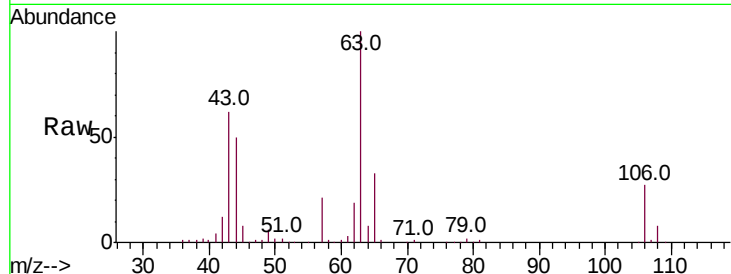
#55
2-Chloroethyl vinyl ether
Concen: 91.200 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.2	37.8
106	27.3	21.6	32.4

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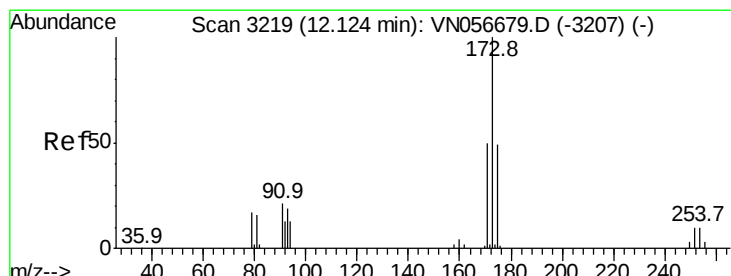
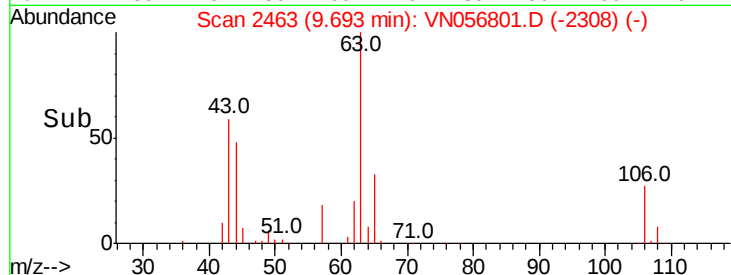
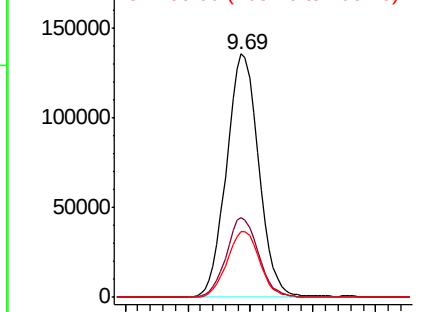
MMDadoda
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Abundance Ion 63.00 (62.70 to 63.70): VN056679.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN056679.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN056679.D (-2450) (-)



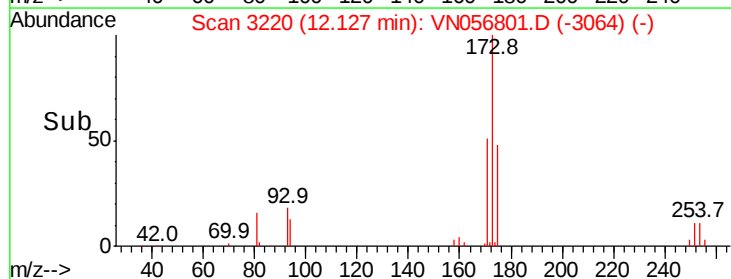
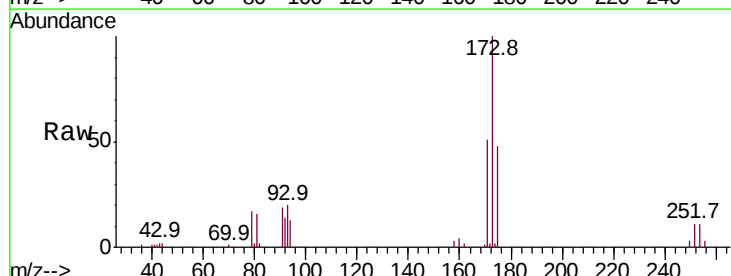
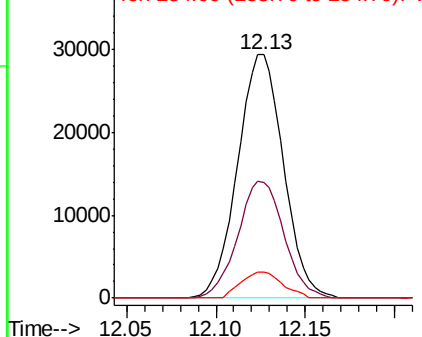
#56
Bromoform
Concen: 19.689 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

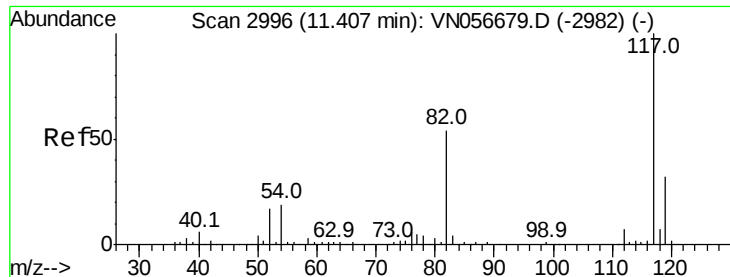
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.7	59.5
254	9.7	7.8	11.8

Abundance Ion 173.00 (172.70 to 173.70): VN056679.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056679.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056679.D (-3207) (-)





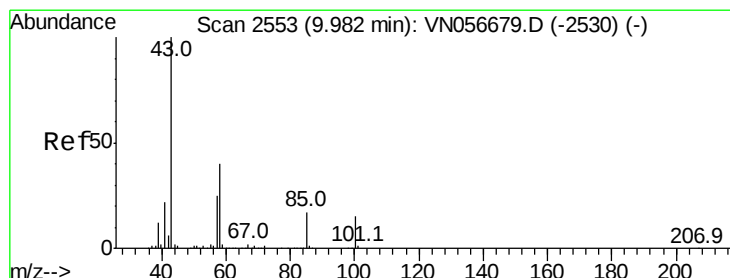
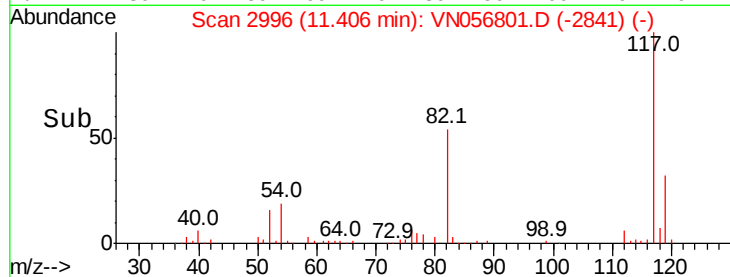
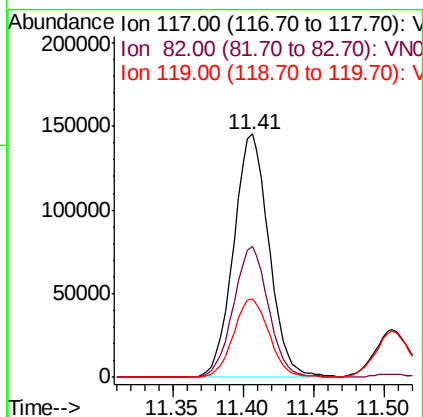
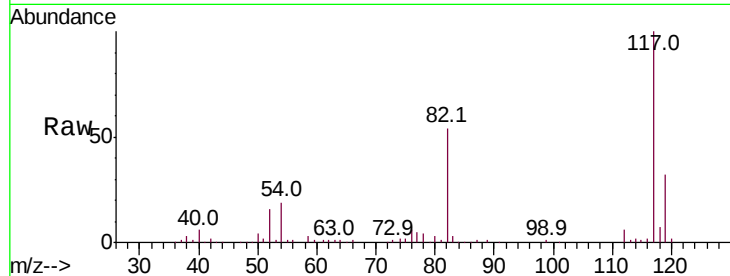
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.3	43.0	64.4
119	32.5	26.0	39.0

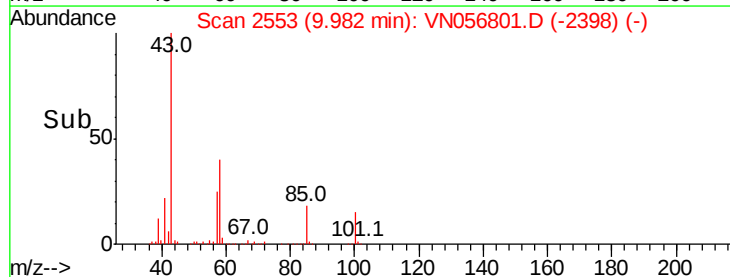
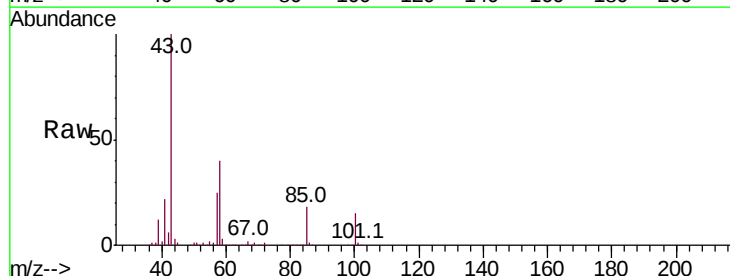
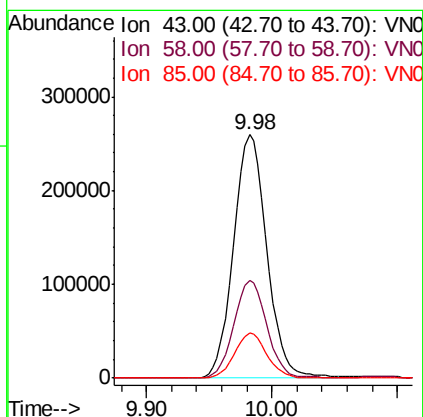
Manual Integrations
APPROVED

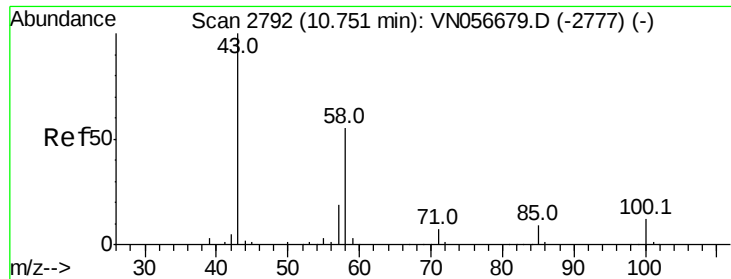
MMDadoda
7/19/2019 11:31:31 PM



#58
4-Methyl-2-Pentanone
Concen: 99.008 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	39.9	31.9	47.9
85	18.0	14.2	21.4





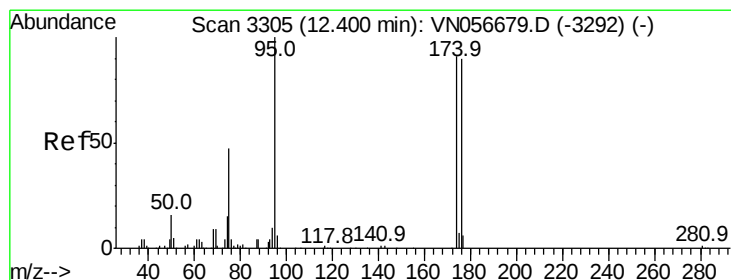
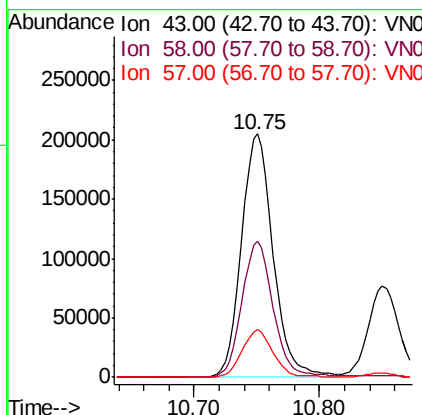
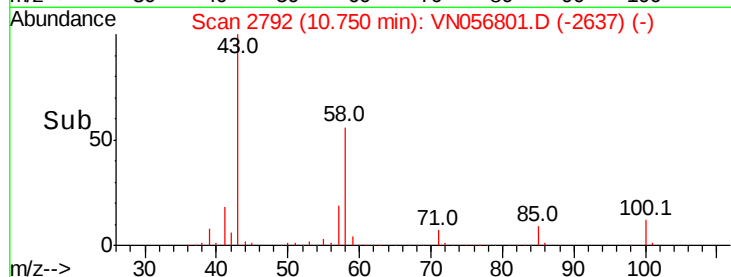
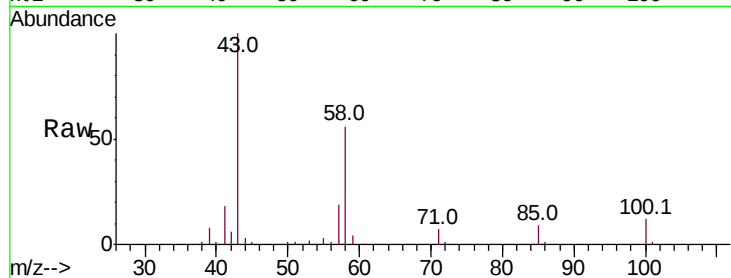
#59
2-Hexanone
Concen: 98.212 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	44.4	66.6
57	19.3	15.2	22.8

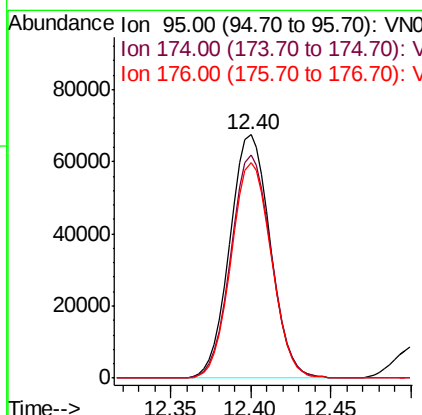
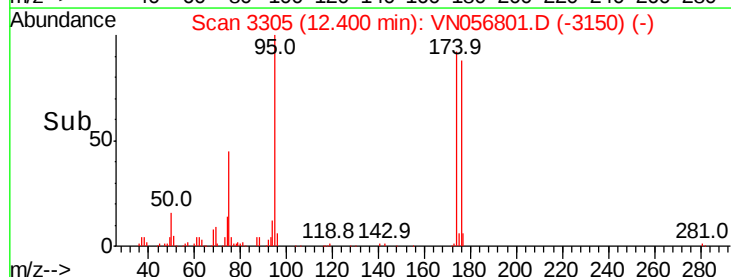
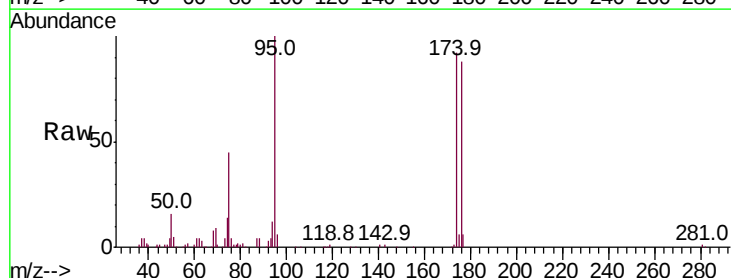
Manual Integrations
APPROVED

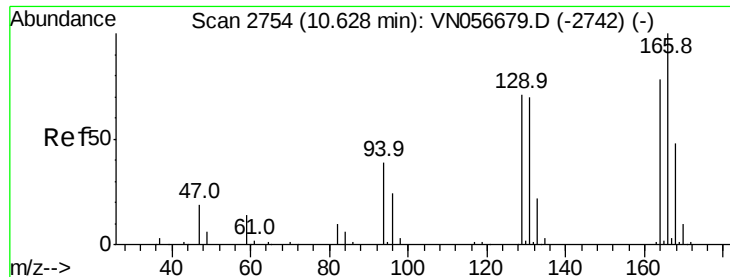
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#60
4-Bromofluorobenzene
Concen: 29.638 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.3	72.6	108.8
176	87.9	71.0	106.6





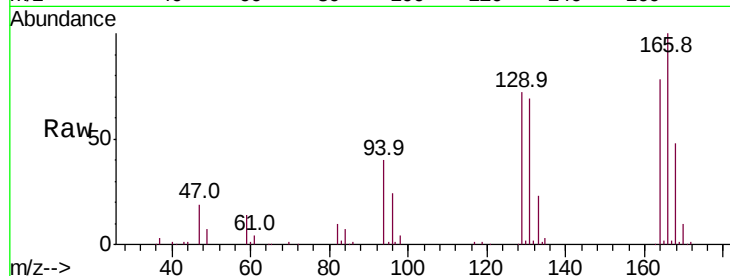
#61
Tetrachloroethene
Concen: 21.535 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.0	102.3	153.5
129	92.7	72.6	108.8
131	88.8	71.4	107.2

Manual Integrations
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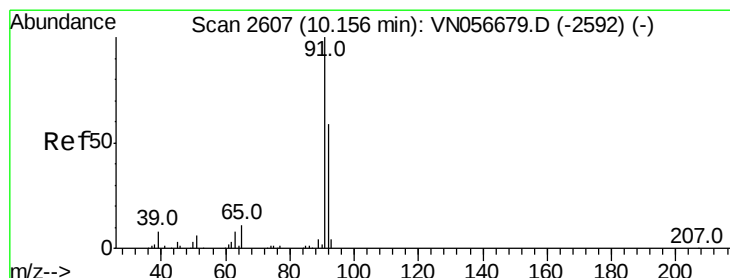
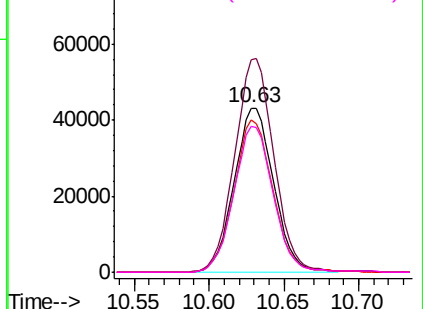
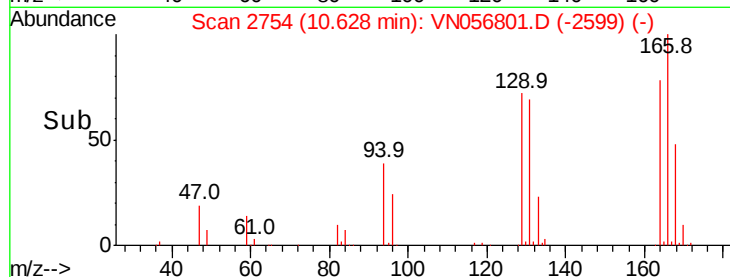
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

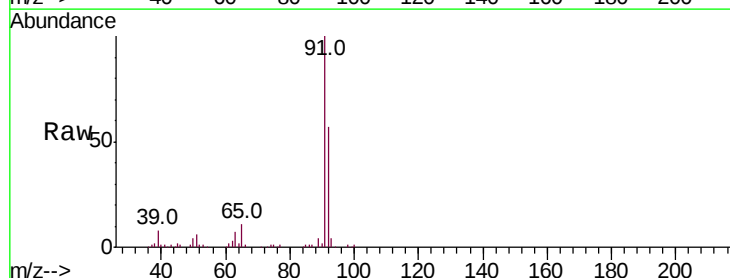
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.878 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

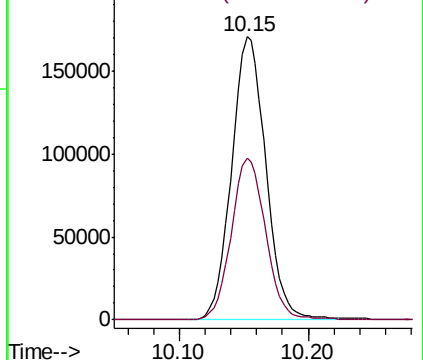
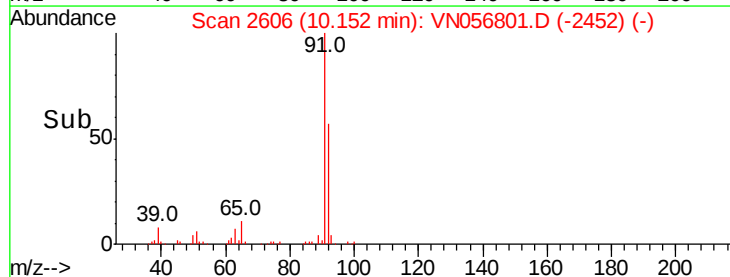
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	46.7	70.1

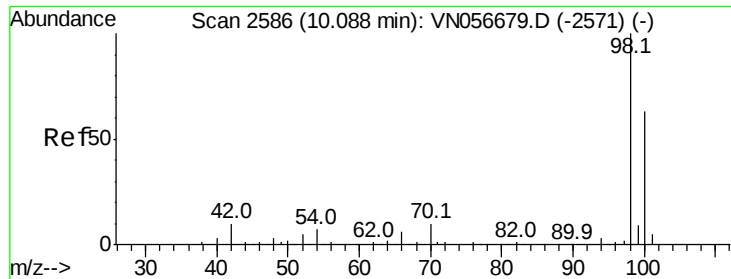


Abundance

Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 30.642 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 359165

Ion Ratio Lower Upper

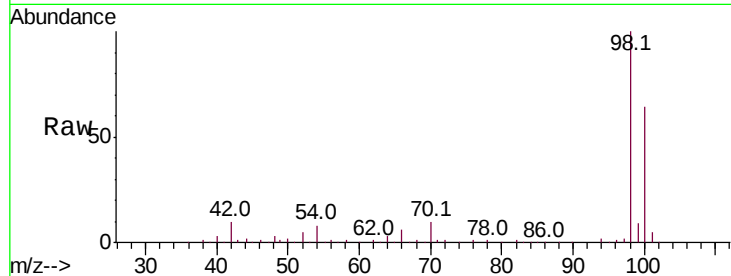
98 100

100 63.4 51.1 76.7

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Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-2571) (-)

10.09

200000

150000

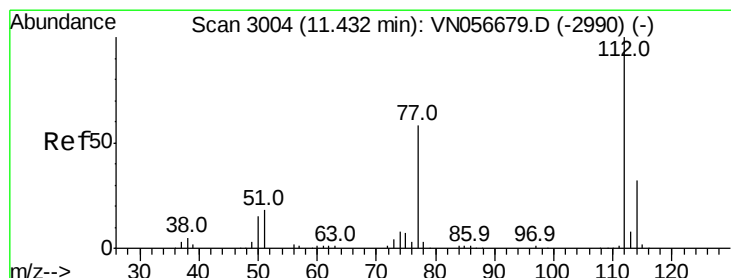
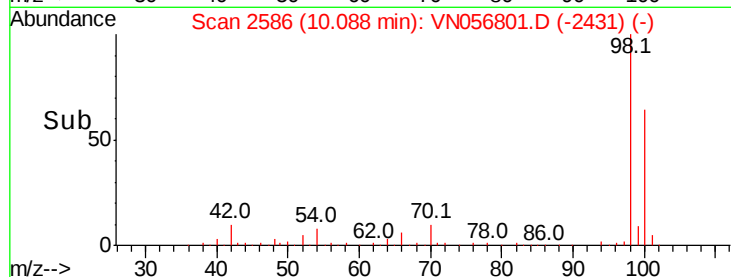
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 20.736 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056801.D

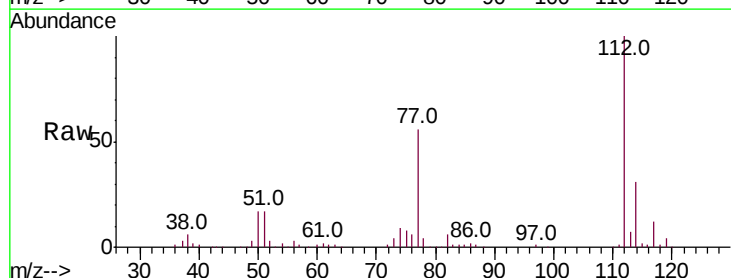
Acq: 18 Jul 2019 9:22

Tgt Ion: 112 Resp: 190554

Ion Ratio Lower Upper

112 100

114 30.9 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VN056679.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN056679.D (-2990) (-)

11.43

120000

100000

80000

60000

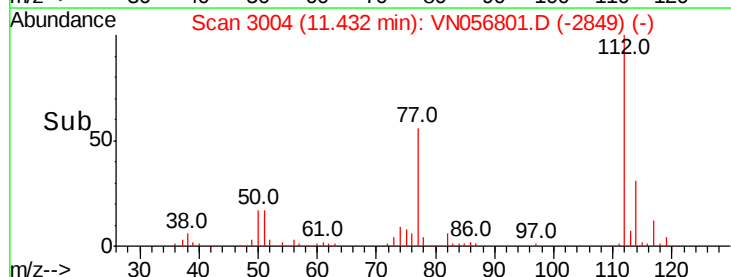
40000

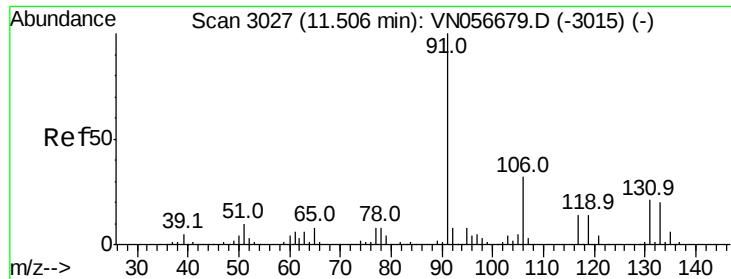
20000

0

11.40 11.50

Time-->





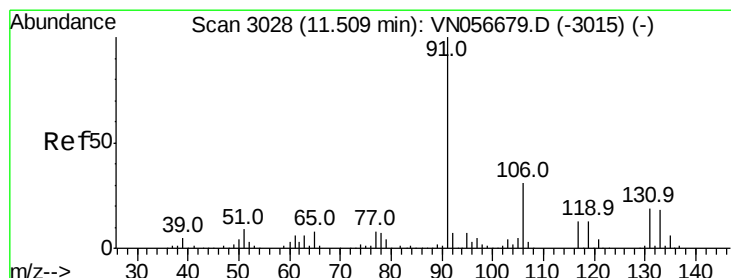
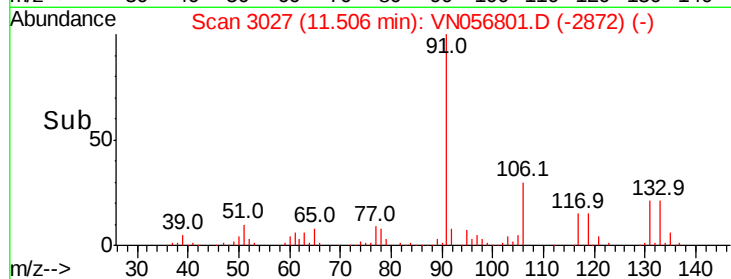
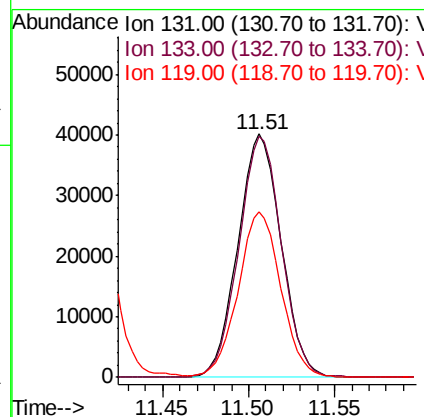
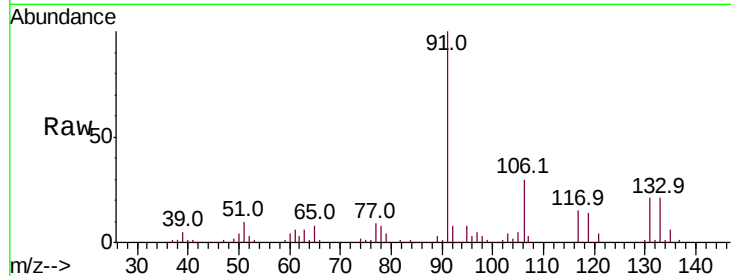
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.764 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.9	0.0	191.4
119	67.5	0.0	133.4

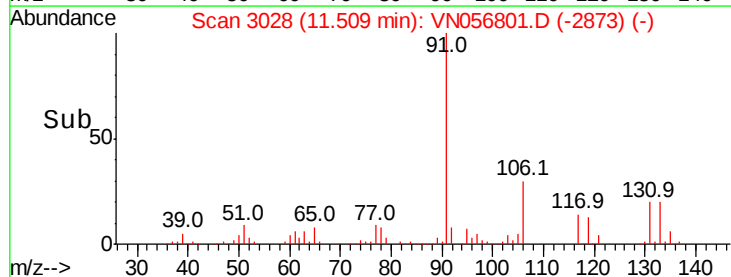
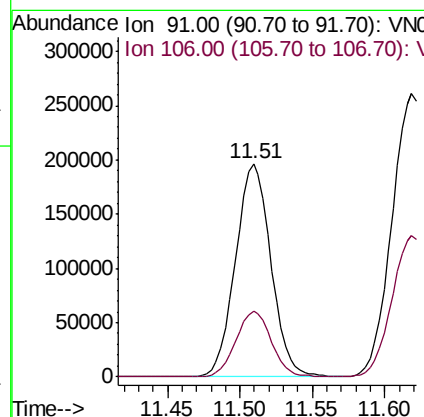
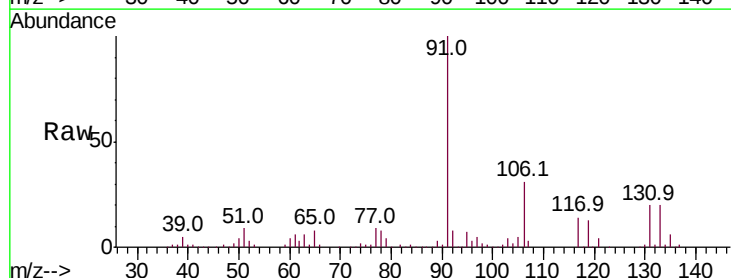
Manual Integrations
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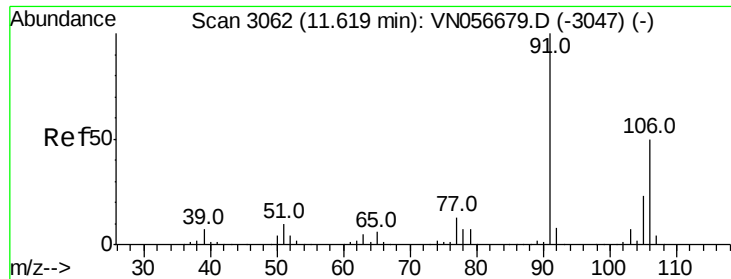
MMDadoda
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#66
 Ethyl Benzene
 Concen: 20.494 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.1	37.7





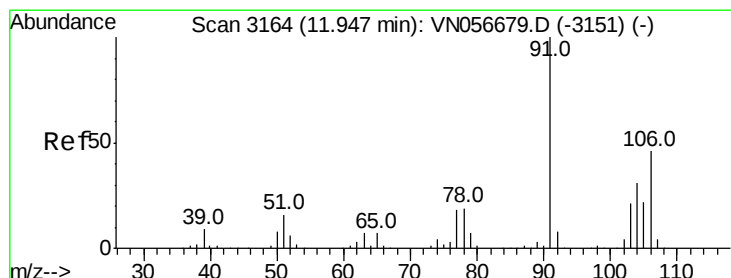
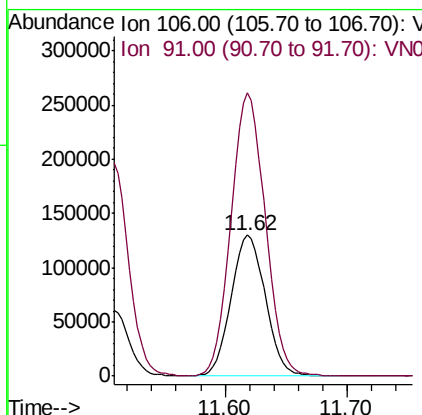
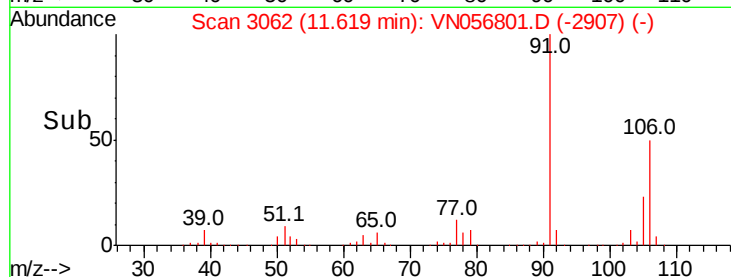
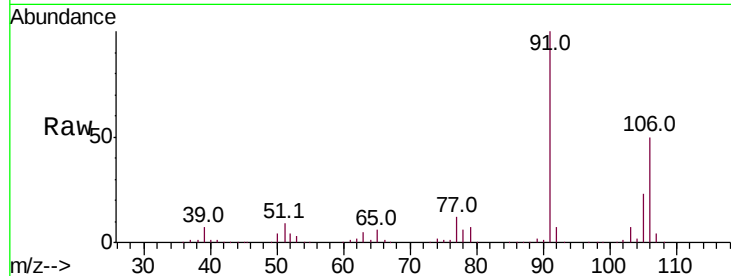
#67
m/p-Xylenes
Concen: 41.281 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 253728
Ion Ratio Lower Upper
106 100
91 200.2 161.8 242.8

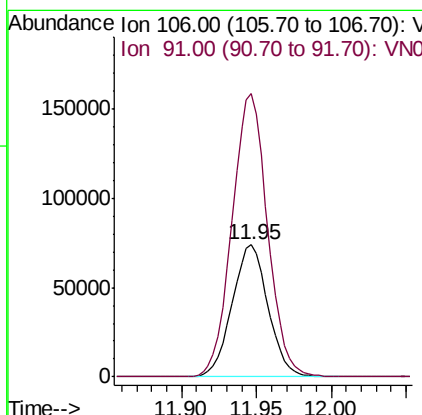
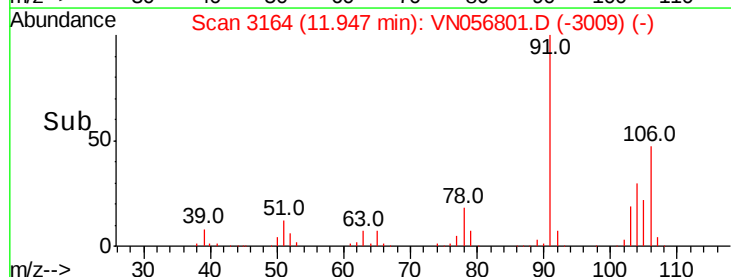
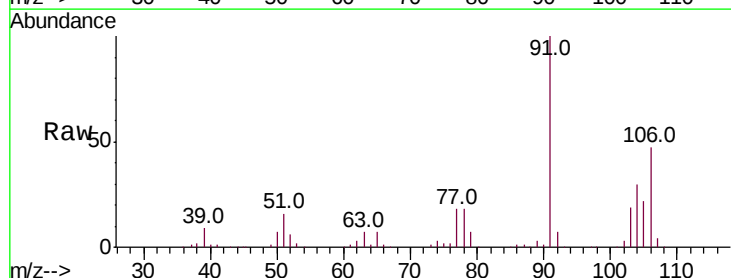
Manual Integrations
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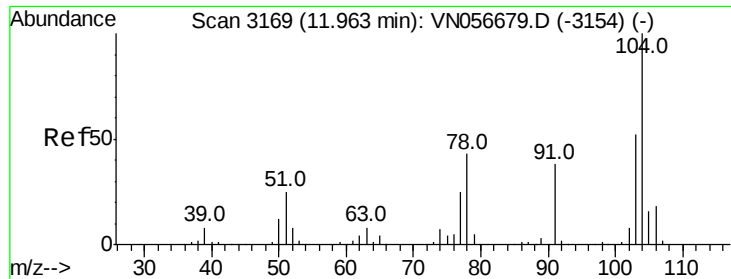
MMDadoda
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#68
o-Xylene
Concen: 20.710 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion:106 Resp: 124154
Ion Ratio Lower Upper
106 100
91 211.1 108.1 324.2





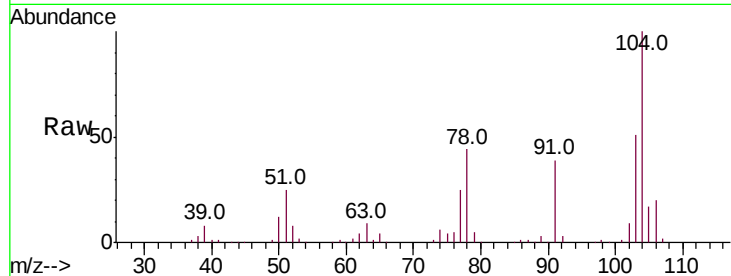
#69
Stvrene
Concen: 20.251 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.7	58.1
103	55.6	45.0	67.4

Manual Integrations
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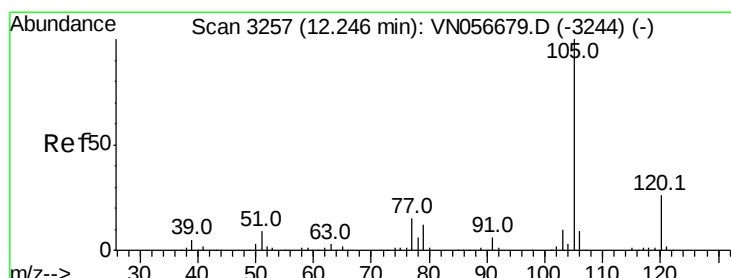
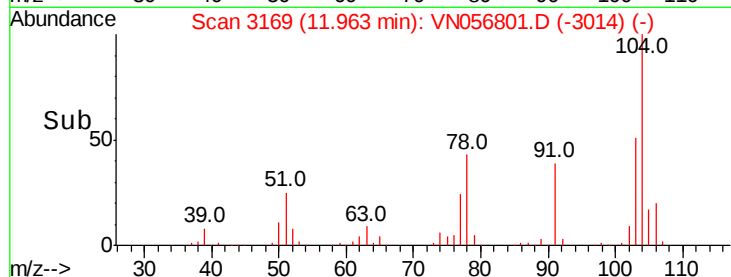
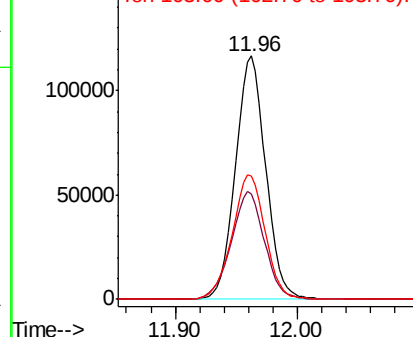


Abundance

Ion 104.00 (103.70 to 104.70): V

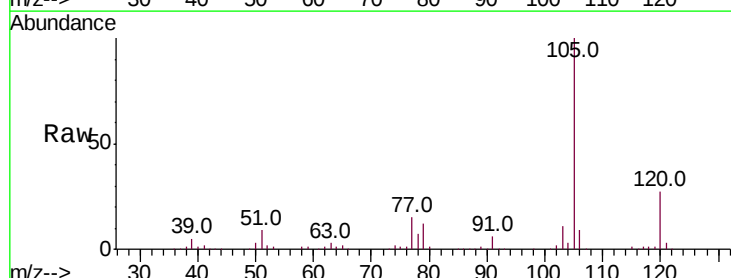
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 20.624 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

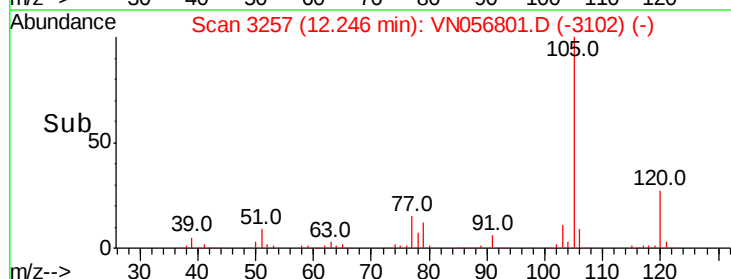
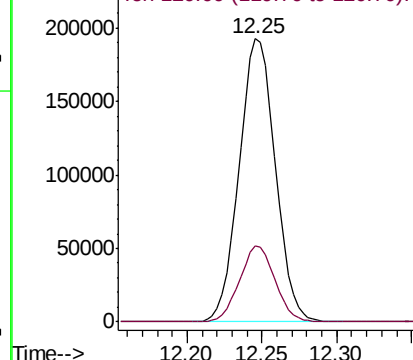
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.6	34.5

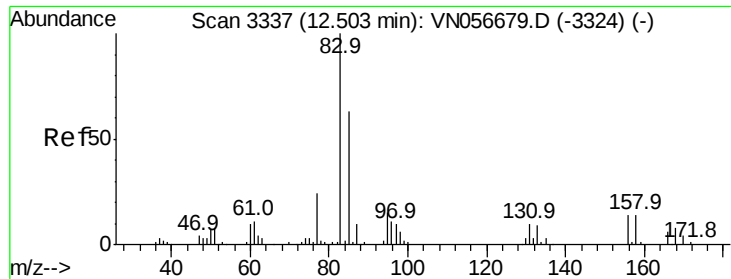


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





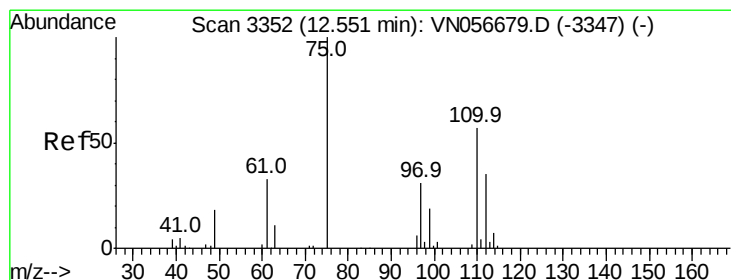
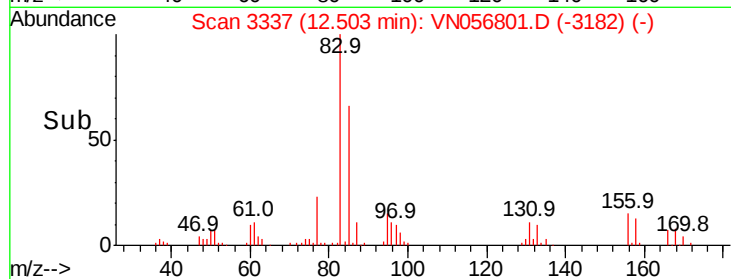
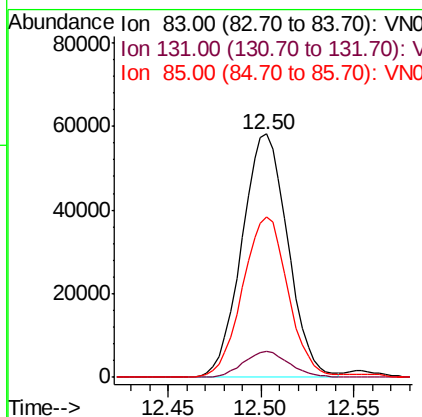
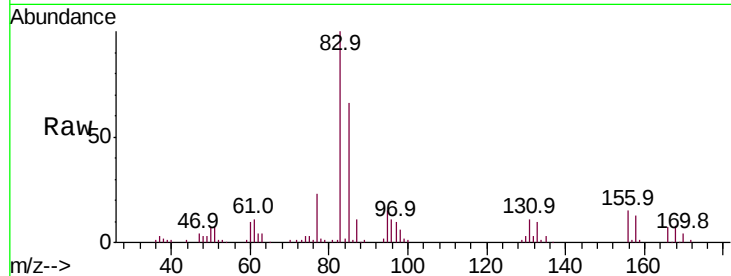
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.625 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.7	5.1	15.3	
85	64.9	31.9	95.7	

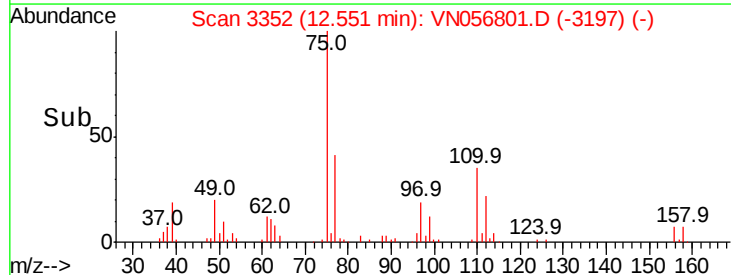
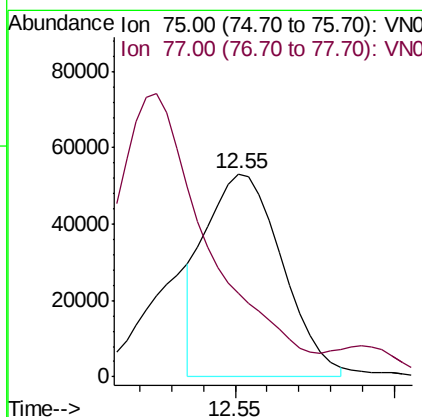
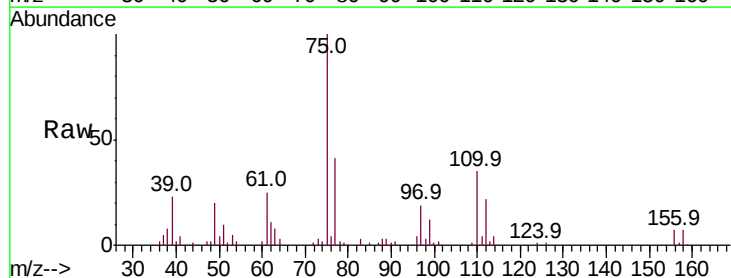
Manual Integrations
 APPROVED

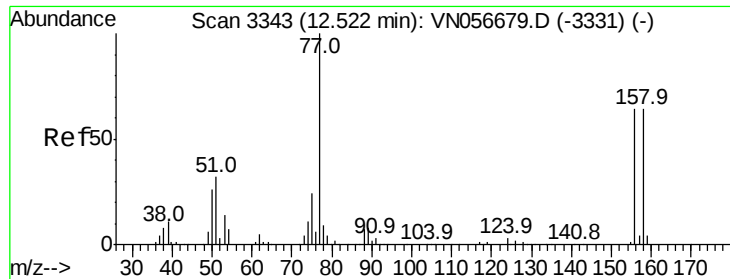
MMDadoda
 7/19/2019 11:31:31 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.370 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	178.6	0.0	352.2	





#73

Bromobenzene

Concen: 20.298 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

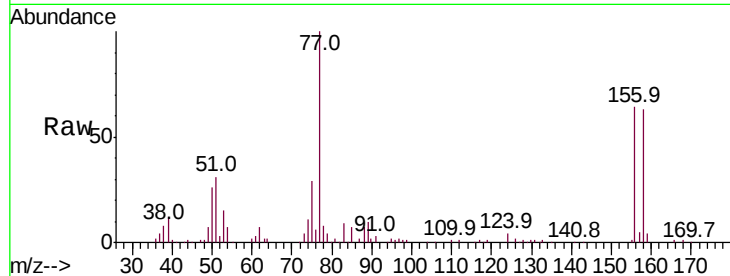
ClientSampled :

VSTDCCC020

Tot Ion:	156	Resp:	83353
Ion Ratio	Lower	Upper	
156	100		
77	190.2	0.0	381.8
158	97.7	0.0	195.8

Manual Integrations
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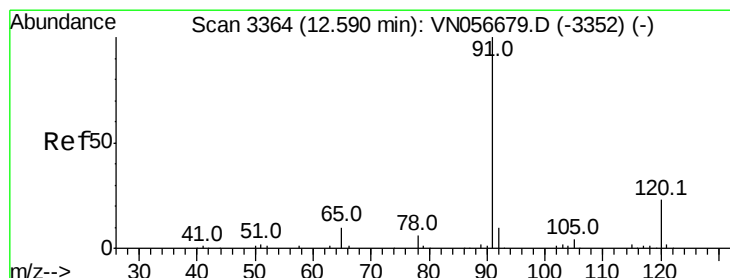
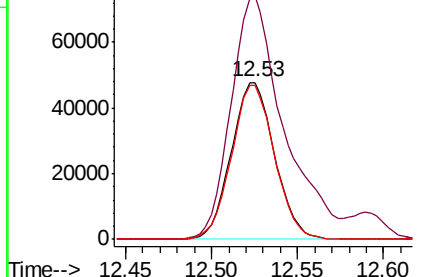
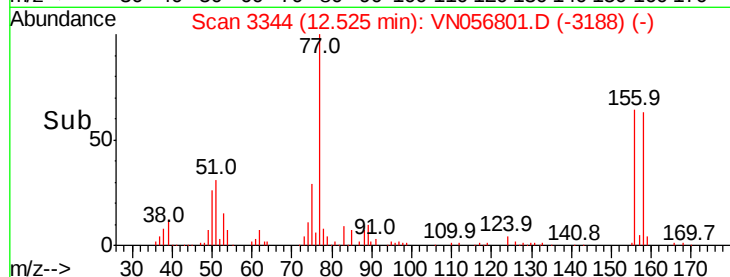
MMDadoda
7/19/2019 11:31:31 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.543 ug/l

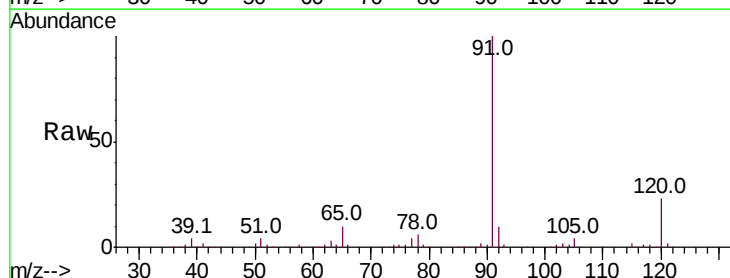
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056801.D

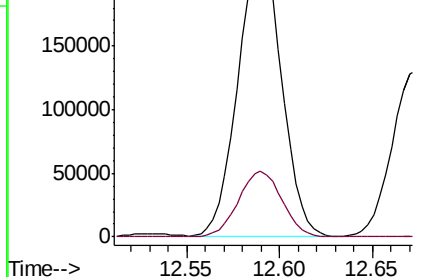
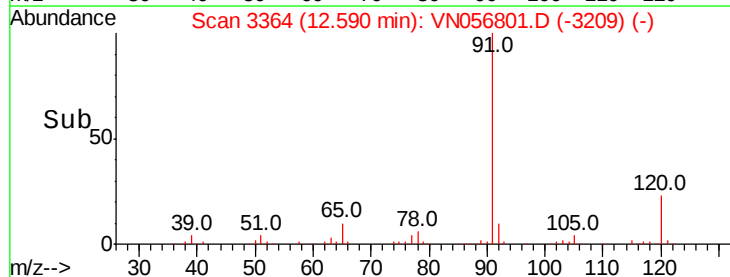
Acq: 18 Jul 2019 9:22

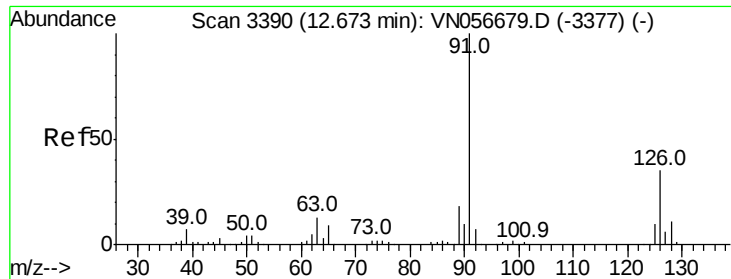
Tgt Ion:	91	Resp:	364207
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.640 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 220384

Ion Ratio Lower Upper

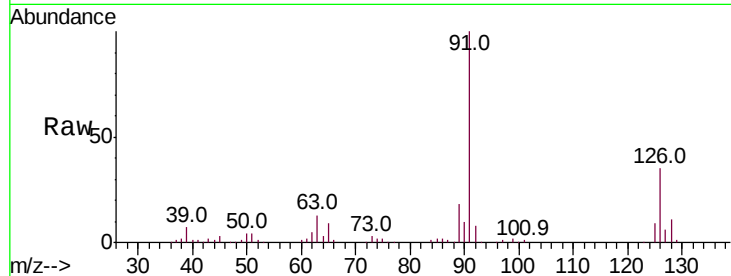
91 100

126 34.6 0.0 69.8

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Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)

250000

200000

150000

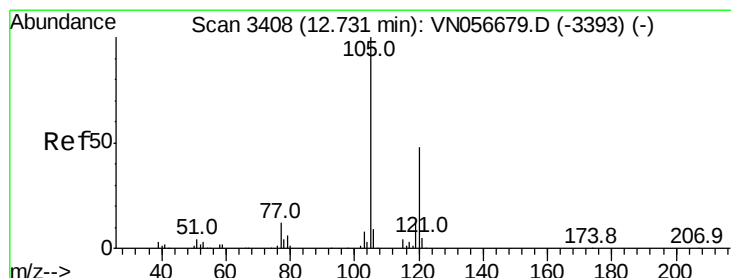
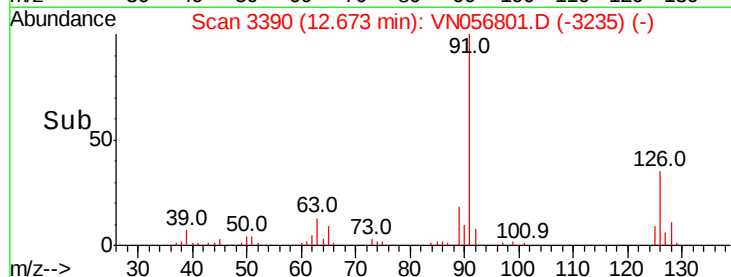
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.858 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056801.D

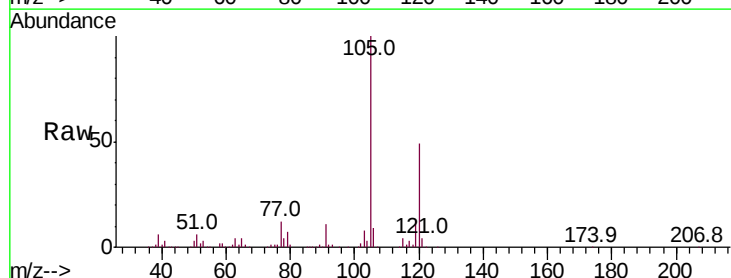
Acq: 18 Jul 2019 9:22

Tgt Ion: 105 Resp: 279570

Ion Ratio Lower Upper

105 100

120 49.0 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN056679.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)

200000

150000

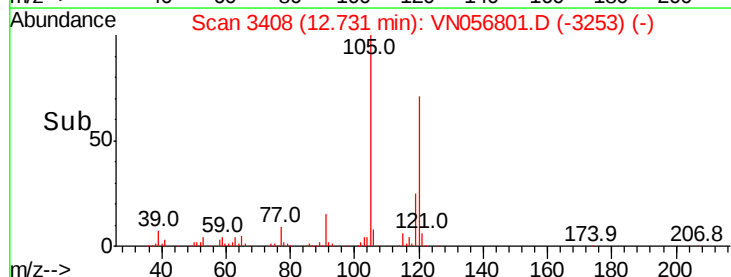
100000

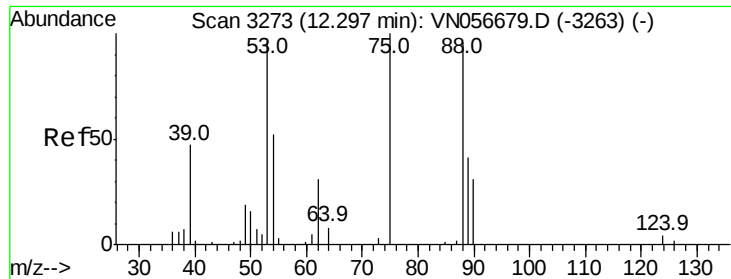
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.670 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

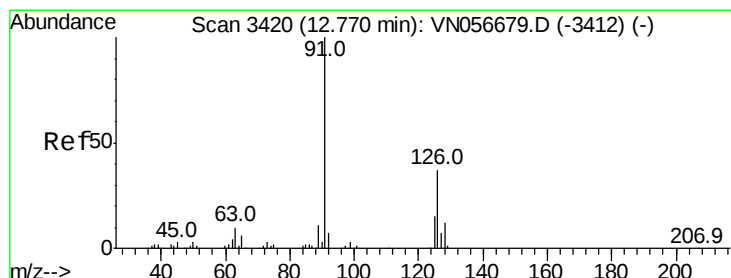
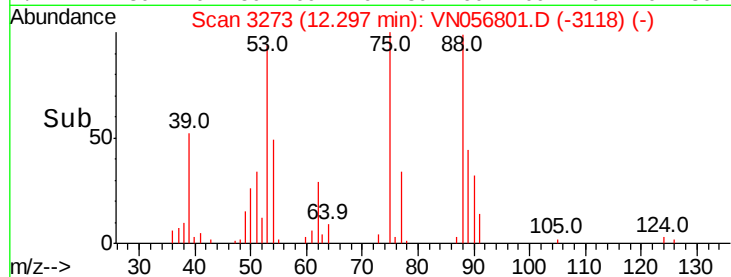
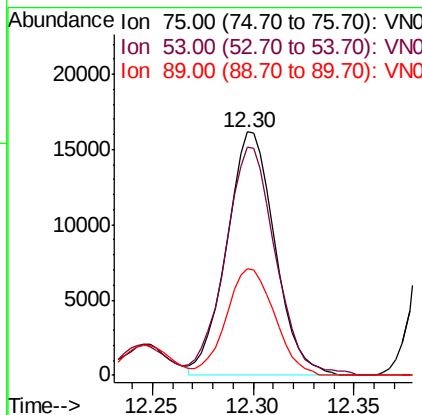
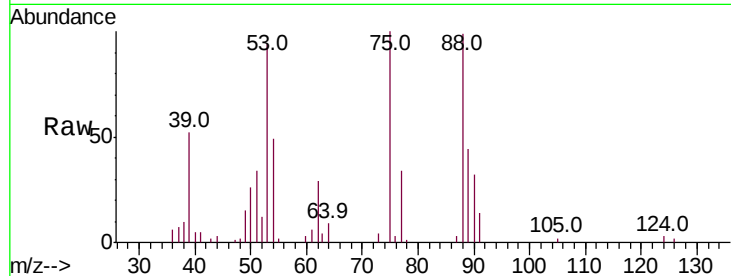
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	27054
Ion Ratio	Lower	Upper	
75	100		
53	91.6	48.6	145.8
89	43.8	21.3	64.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.056 ug/l

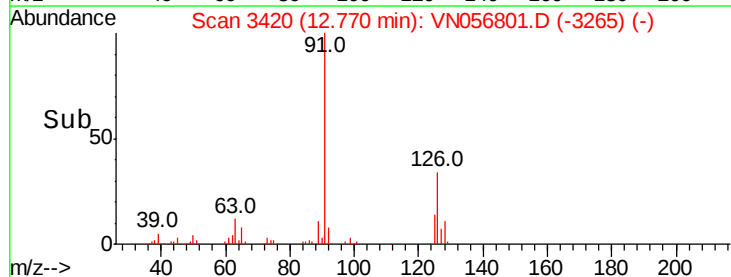
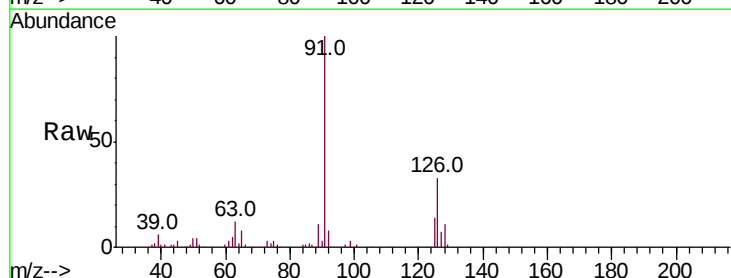
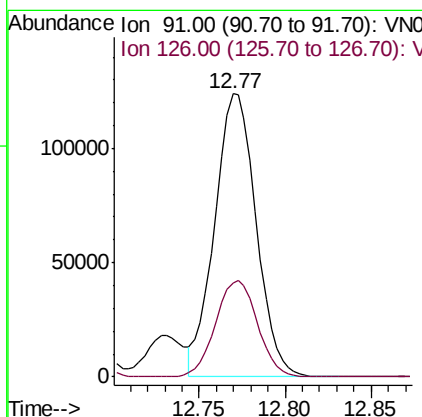
RT: 12.77 min Scan# 3420

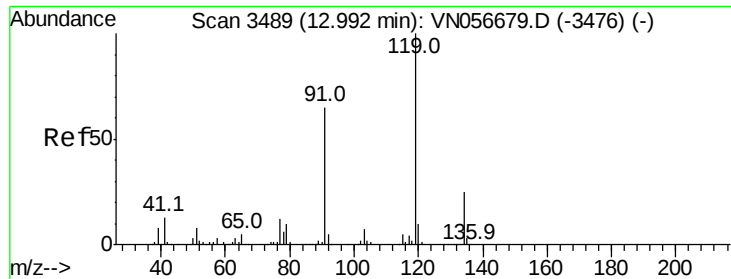
Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Tgt Ion:	91	Resp:	207664
Ion Ratio	Lower	Upper	
91	100		
126	34.7	0.0	69.4





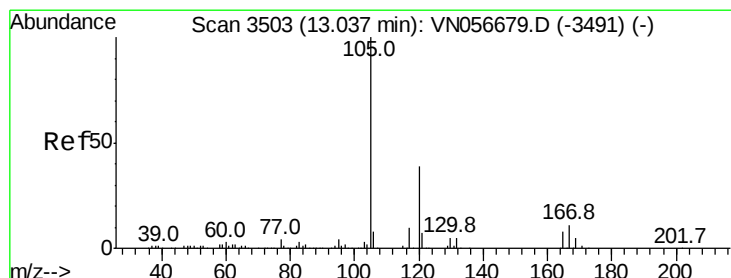
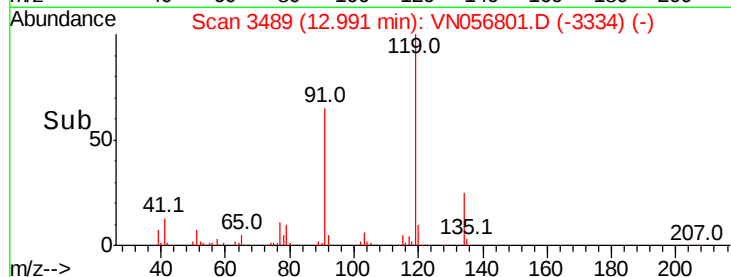
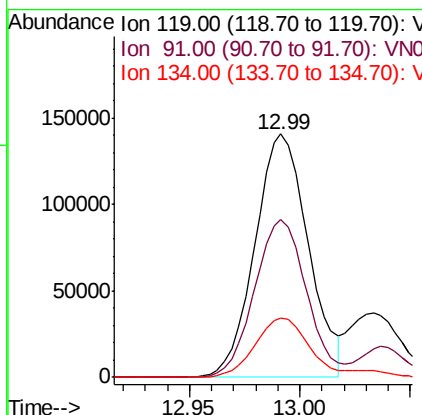
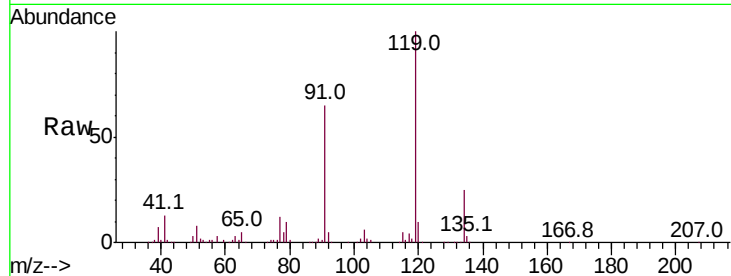
#79
tert-butylbenzene
Concen: 20.688 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	235890		
91	63.4	0.0	125.4	
134	24.6	0.0	48.4	

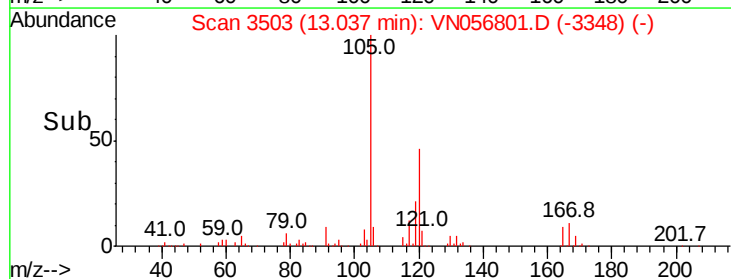
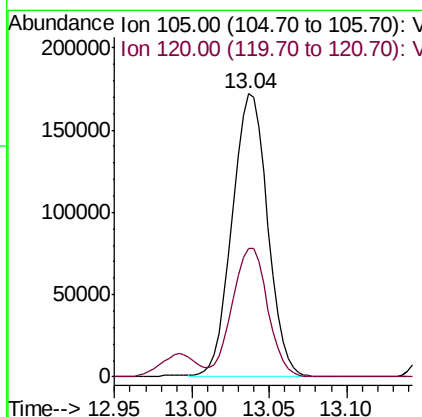
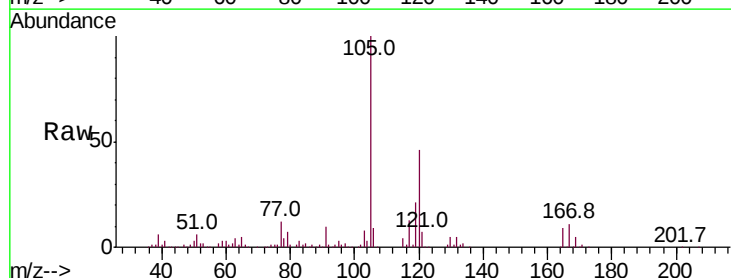
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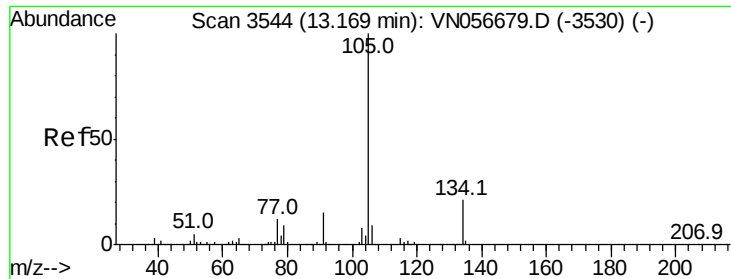
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#80
1,2,4-Trimethylbenzene
Concen: 20.603 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273868		
120	45.4	0.0	91.2	





#81

sec-Butylbenzene

Concen: 20.420 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

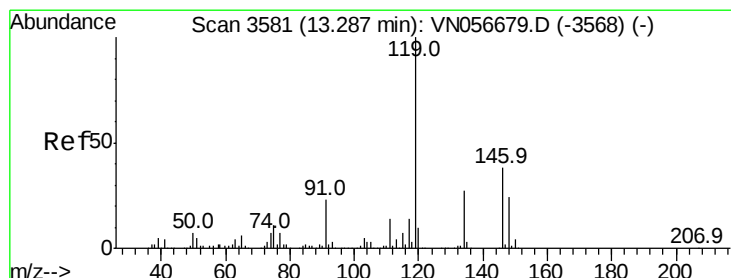
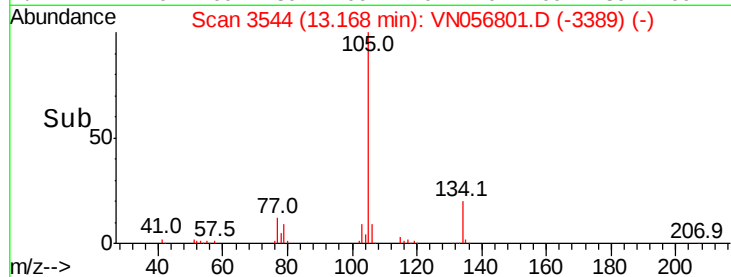
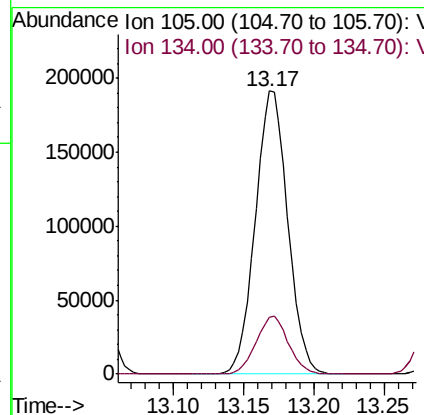
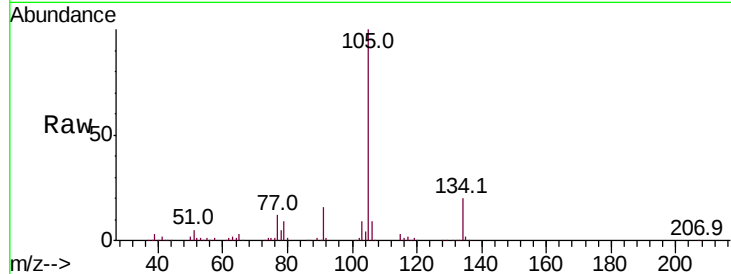
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	308194		
134	20.4	0.0	40.8	

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#82

p-Isopropyltoluene

Concen: 20.685 ug/l

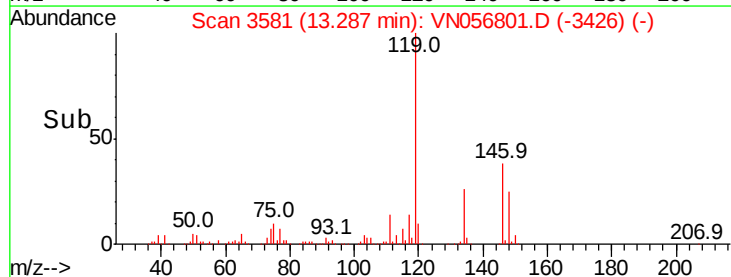
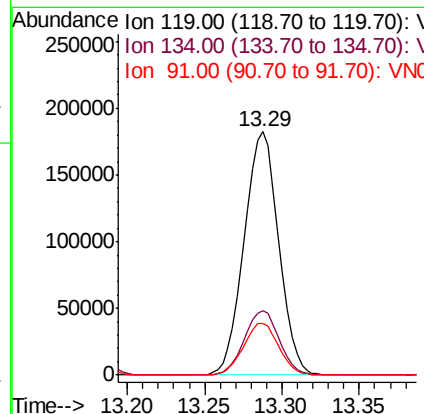
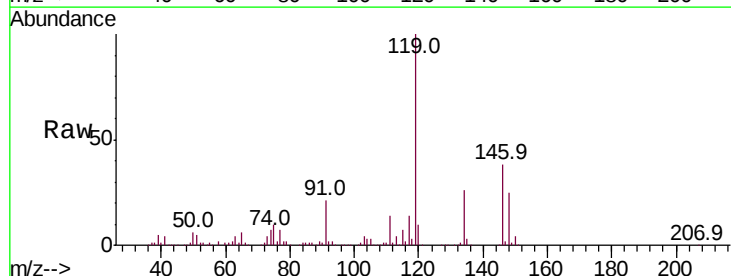
RT: 13.29 min Scan# 3581

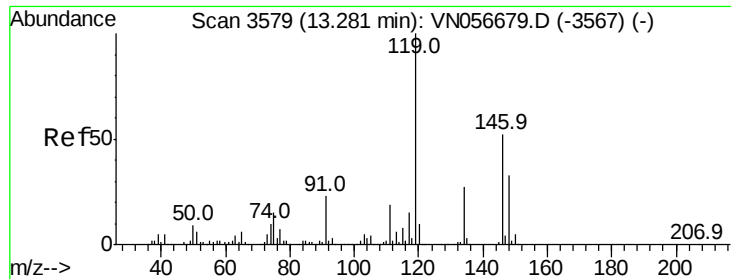
Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	283915		
134	26.6	0.0	52.8	
91	21.8	0.0	45.4	





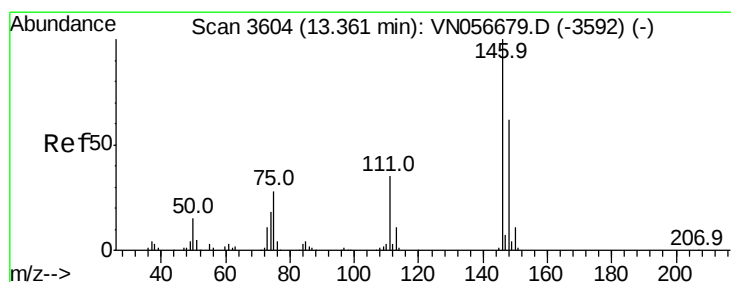
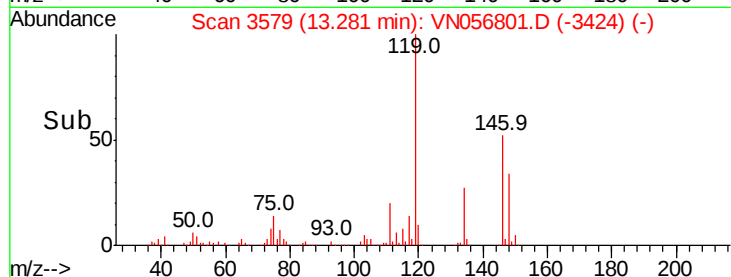
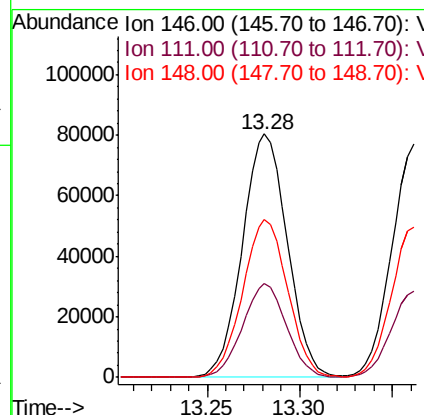
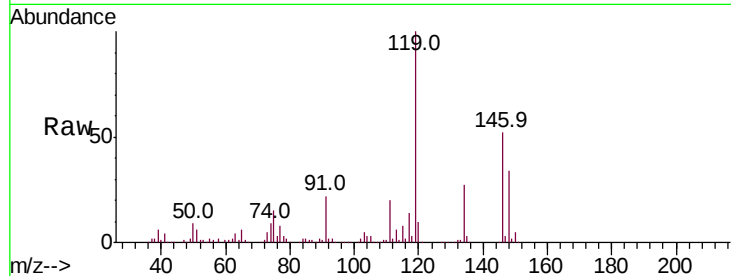
#83
 1,3-Dichlorobenzene
 Concen: 19.726 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.8	31.8	95.4

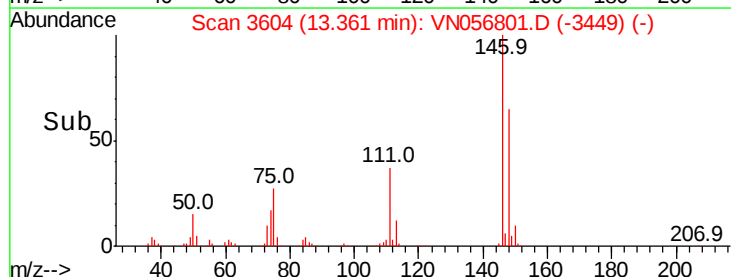
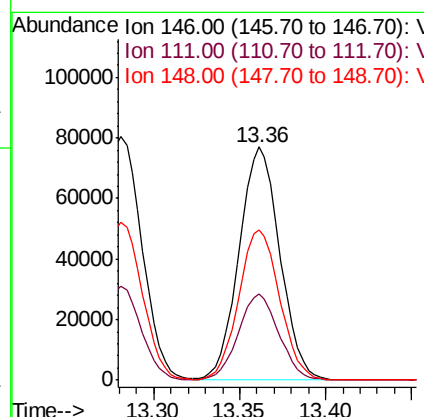
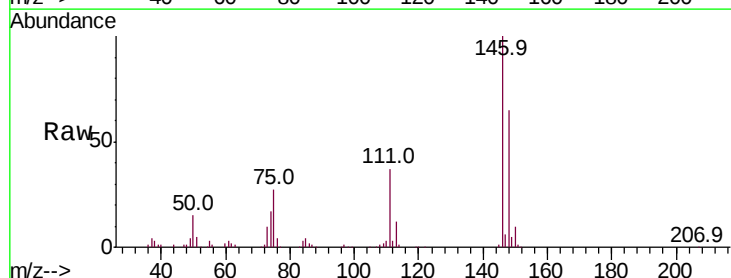
Manual Integrations
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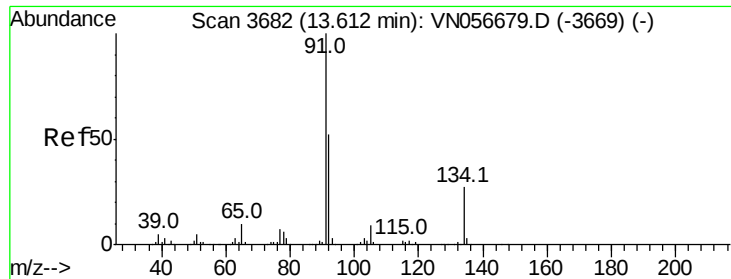
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#84
 1,4-Dichlorobenzene
 Concen: 19.400 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.8	53.4
148	64.7	31.9	95.5





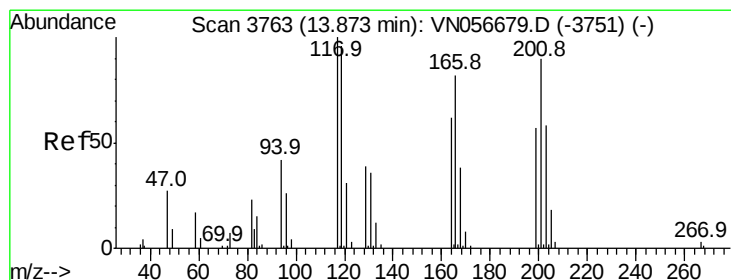
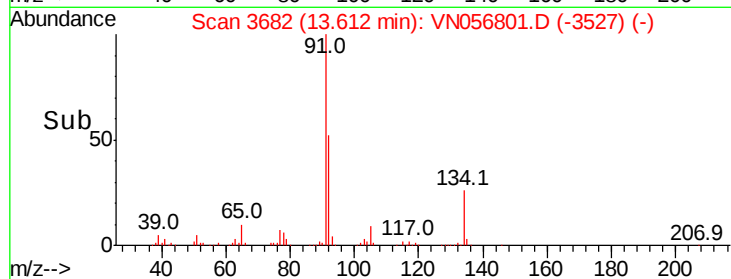
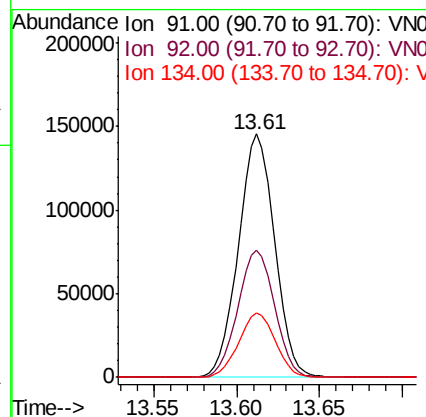
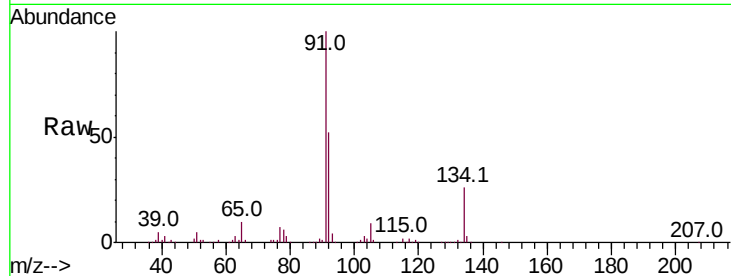
#85
n-Butylbenzene
Concen: 19.559 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	221442		
92	52.8	0.0	104.0	
134	26.6	0.0	53.2	

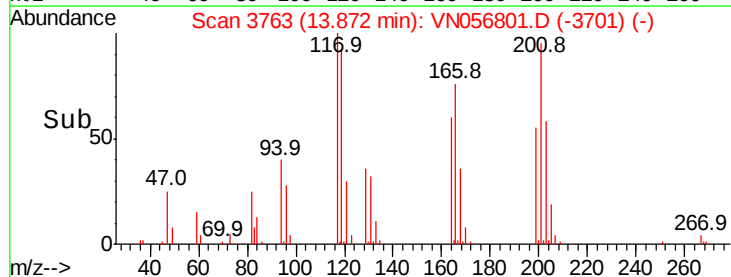
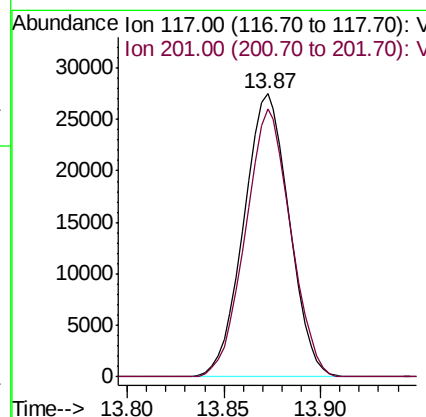
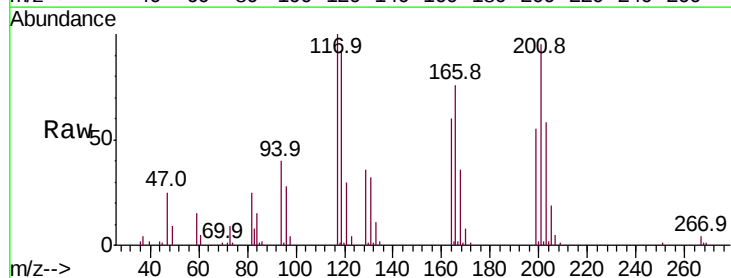
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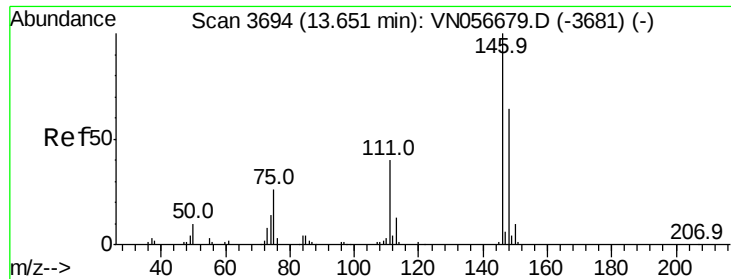
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#86
Hexachloroethane
Concen: 20.875 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44957		
201	93.9	45.6	136.7	





#87

1,2-Dichlorobenzene

Concen: 20.155 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

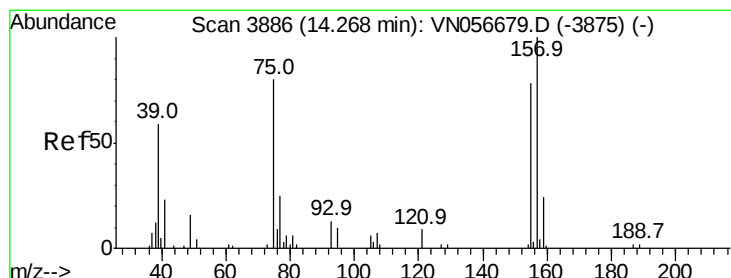
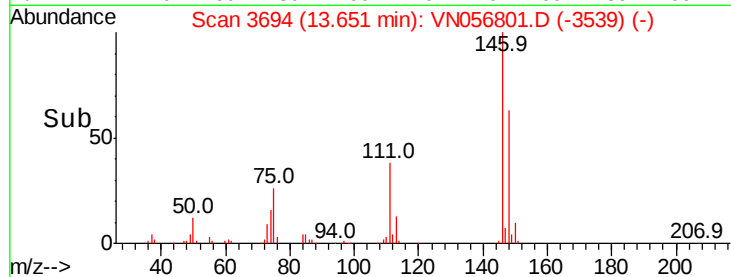
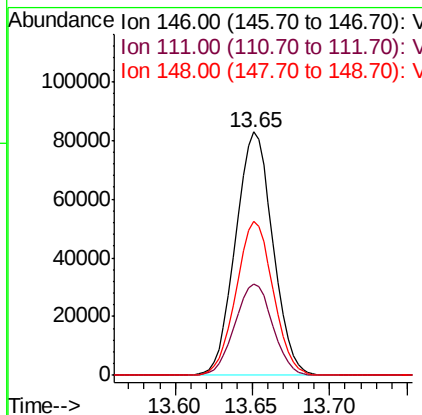
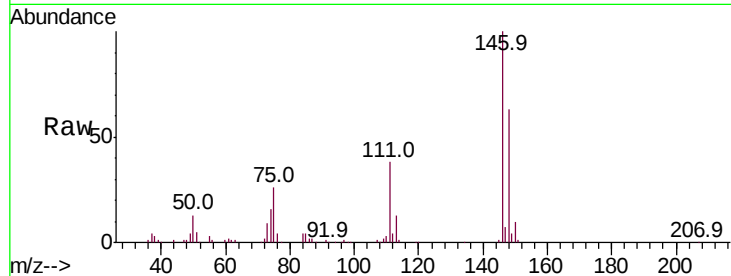
ClientSampled :

VSTDCCC020

Tot Ion:	146	Resp:	138627
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.7	59.0
148	62.9	32.7	98.1

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.280 ug/l

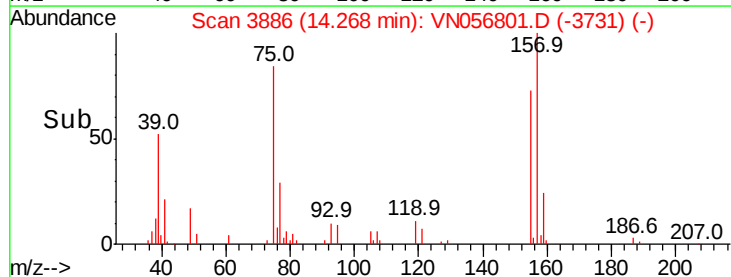
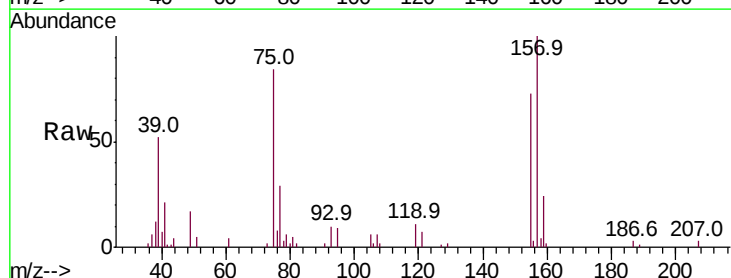
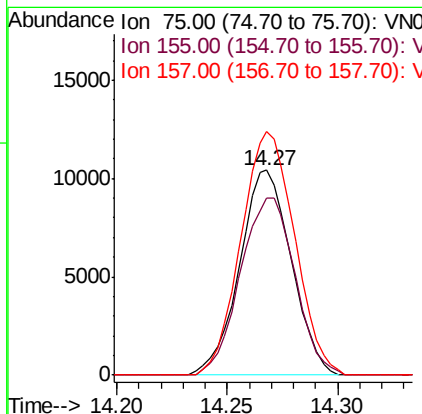
RT: 14.27 min Scan# 3886

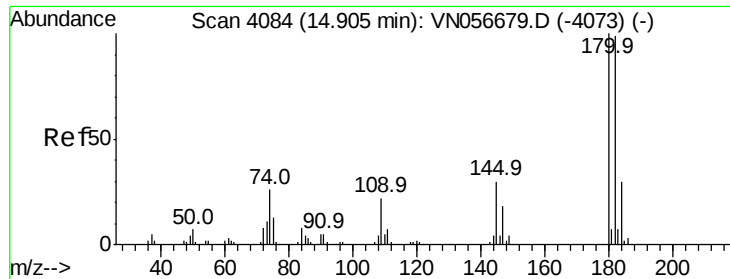
Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Tgt Ion:	75	Resp:	16966
Ion Ratio	Lower	Upper	
75	100		
155	90.9	78.6	117.8
157	122.9	99.3	148.9





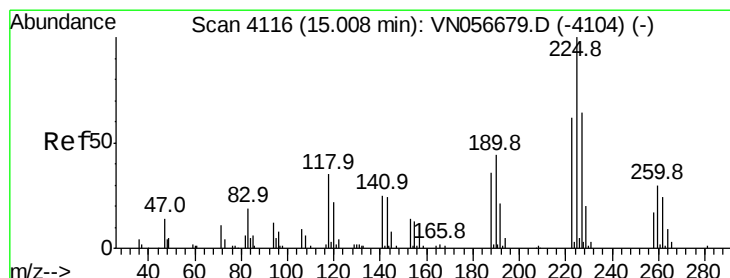
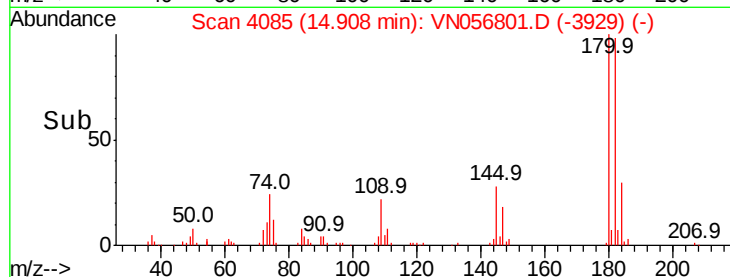
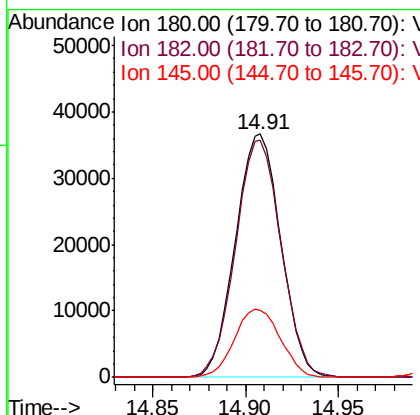
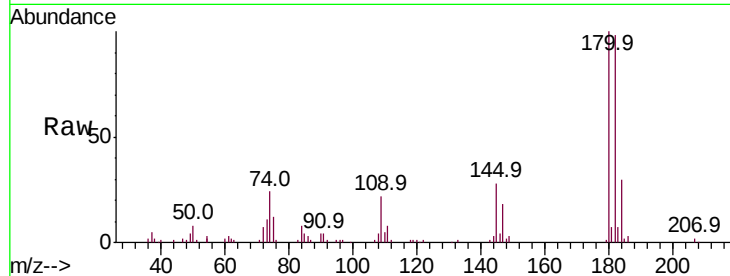
#89
 1,2,4-Trichlorobenzene
 Concen: 16.872 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	78.2	117.4
145	28.2	23.2	34.8

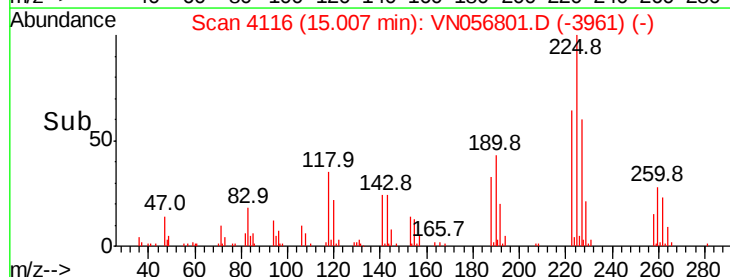
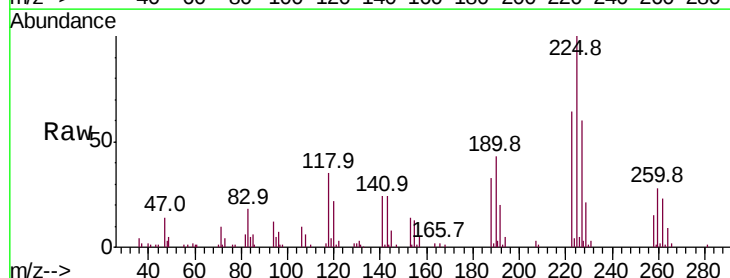
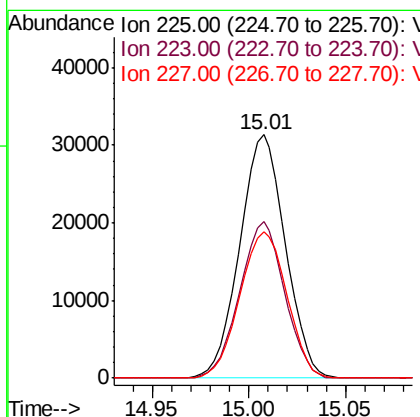
Manual Integrations
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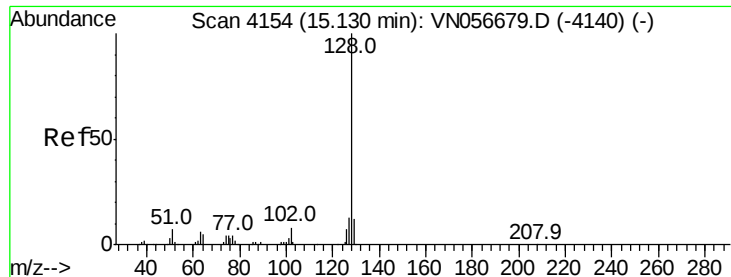
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#90
 Hexachlorobutadiene
 Concen: 21.355 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	124.6
227	62.0	0.0	128.6





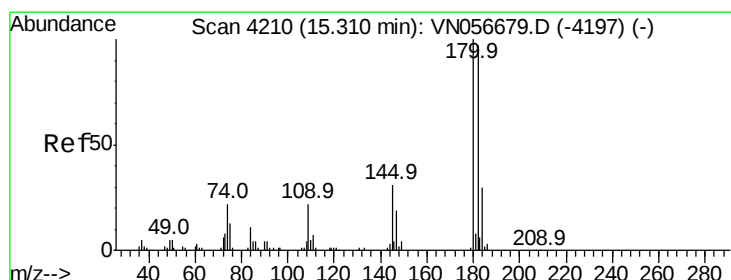
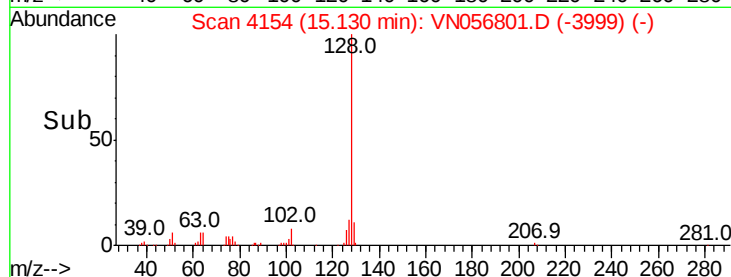
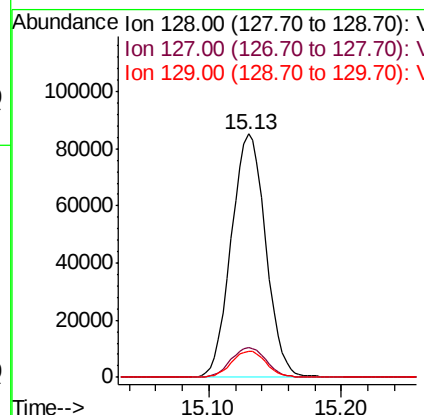
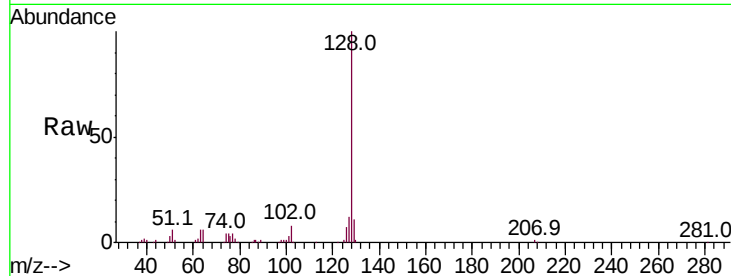
#91
Naphthalene
Concen: 15.465 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/19/2019 11:31:31 PM



#92
1,2,3-Trichlorobenzene
Concen: 17.436 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	0.0	192.4
145	30.5	0.0	60.4

