

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056809.D
 Acq On : 18 Jul 2019 12:52
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 11:31:39 PM

Quant Time: Jul 19 05:53:41 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	49475	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	267728	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	233638	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	99520	29.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.00%
60) 4-Bromofluorobenzene	12.40	95	107635	30.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.33%
63) Toluene-d8	10.09	98	324174	30.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	57436	20.430 ug/l	96
3) Chloromethane	2.06	50	75843	20.172 ug/l	99
4) Vinyl Chloride	2.18	62	74057	20.025 ug/l	97
5) Bromomethane	2.55	94	45985	19.728 ug/l	98
6) Chloroethane	2.69	64	41795	19.779 ug/l	99
7) Trichlorofluoromethane	3.01	101	96528	20.351 ug/l	96
8) Diethyl Ether	3.41	74	38432	19.813 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	59728	20.194 ug/l	98
10) 1,1-Dichloroethene	3.73	96	58104	19.913 ug/l	93
11) Methyl Iodide	3.95	142	71859	18.531 ug/l	99
12) Methyl Acetate	4.33	43	73055	18.703 ug/l	97
13) Acrolein	3.60	56	30867	112.087 ug/l	97
14) Acrylonitrile	4.99	53	173054	100.574 ug/l	98
15) Acetone	3.82	58	54459	91.689 ug/l	98
16) Carbon Disulfide	4.05	76	143754	18.679 ug/l	99
17) Allyl chloride	4.32	41	98848	19.366 ug/l	96
18) Methylene Chloride	4.55	84	68254	19.923 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	61339	19.636 ug/l	96
20) Diisopropyl ether	5.95	45	207216	20.374 ug/l	99
21) 1,1-Dichloroethane	5.85	63	117786	20.269 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	73396	20.093 ug/l	100
23) tert-Butyl Alcohol	4.79	59	60952	101.548 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	187506	20.147 ug/l	100
25) Chloroform	7.37	83	116212	20.526 ug/l	100
26) Cyclohexane	7.65	56	105157	19.468 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	85352	20.056 ug/l	99
30) 2-Butanone	6.84	43	239954	97.385 ug/l	100
31) 2,2-Dichloropropane	6.82	77	86022	20.886 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	94030	20.728 ug/l	99
33) Carbon Tetrachloride	7.77	117	79770	20.435 ug/l	98
34) Benzene	8.04	78	271427	20.758 ug/l	99
35) Methacrylonitrile	7.17	41	35839	19.039 ug/l	98
36) 1,2-Dichloroethane	8.12	62	87268	20.776 ug/l	100
37) Trichloroethene	8.83	130	72044	20.287 ug/l	97
38) Methylcyclohexane	9.08	83	105071	19.544 ug/l	99
39) 1,2-Dichloropropane	9.12	63	72858	20.758 ug/l	97
40) Dibromomethane	9.21	93	46193	20.663 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	84045	20.399	ug/l	99
42) Vinyl Acetate	5.90	43	843862	102.904	ug/l	100
43) Ethyl Acetate	6.93	43	89801	20.168	ug/l	96
44) Isopropyl Acetate	8.17	43	137509	19.801	ug/l #	87
45) 1,4-Dioxane	9.20	88	30034	427.481	ug/l	95
46) Methyl methacrylate	9.20	41	66077	19.805	ug/l	95
47) n-amyl Acetate	12.07	43	106987	18.837	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	89207	19.684	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	103890	20.320	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	68811	21.127	ug/l	99
51) Ethyl methacrylate	10.43	69	99687	19.899	ug/l	99
52) 1,3-Dichloropropane	10.71	76	114970	21.097	ug/l	100
53) Dibromochloromethane	10.90	129	67094	20.383	ug/l	98
54) 1,2-Dibromoethane	11.00	107	69212	20.447	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	231553	95.581	ug/l	99
56) Bromoform	12.13	173	48072	19.728	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	456261	103.757	ug/l	100
59) 2-Hexanone	10.75	43	329993	98.860	ug/l	99
61) Tetrachloroethene	10.63	164	73973	22.034	ug/l	98
62) Toluene	10.16	91	285772	20.825	ug/l	99
64) Chlorobenzene	11.43	112	171450	20.485	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	65323	21.288	ug/l	99
66) Ethyl Benzene	11.51	91	299783	20.210	ug/l	99
67) m/p-Xylenes	11.62	106	228406	40.802	ug/l	99
68) o-Xylene	11.95	106	112369	20.580	ug/l	98
69) Styrene	11.96	104	179520	19.842	ug/l	99
70) Isopropylbenzene	12.25	105	293405	20.501	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	97393	20.966	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	85274m	21.478	ug/l	
73) Bromobenzene	12.53	156	75633	20.223	ug/l	99
74) n-propylbenzene	12.59	91	321009	19.881	ug/l	99
75) 2-Chlorotoluene	12.67	91	194153	19.965	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	248884	20.388	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	24143	18.293	ug/l	96
78) 4-Chlorotoluene	12.77	91	183245	19.432	ug/l	98
79) tert-butylbenzene	12.99	119	212945	20.506	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	244098	20.162	ug/l	99
81) sec-Butylbenzene	13.17	105	274664	19.982	ug/l	100
82) p-Isopropyltoluene	13.29	119	250128	20.009	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	120083	19.264	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	110915	18.563	ug/l	99
85) n-Butylbenzene	13.61	91	188459	18.277	ug/l	99
86) Hexachloroethane	13.87	117	39812	20.298	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	123921	19.782	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15223	18.994	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	52379	15.545	ug/l	96
90) Hexachlorobutadiene	15.01	225	44330	20.236	ug/l	98
91) Naphthalene	15.13	128	128593	14.190	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	56583	16.015	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

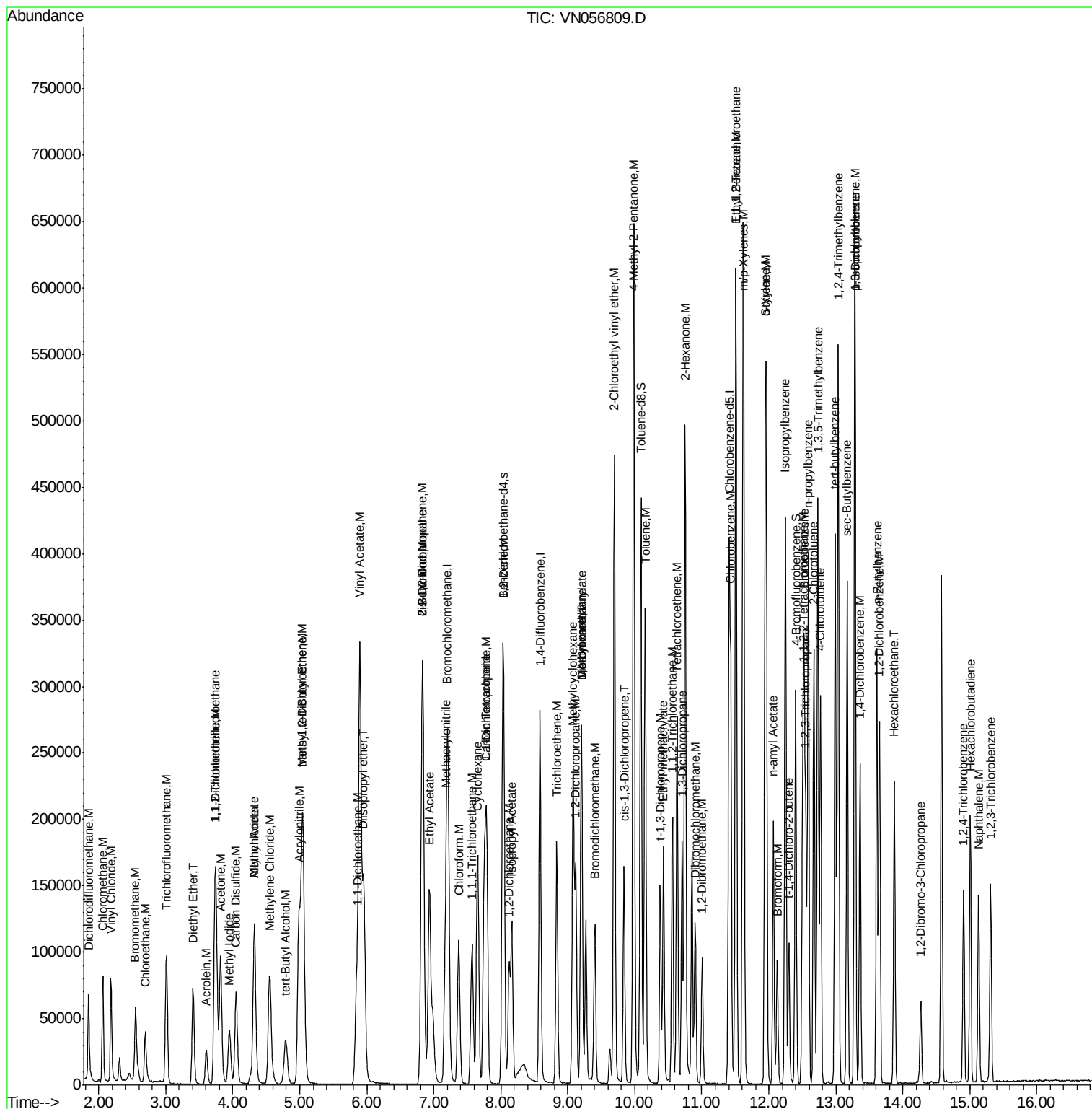
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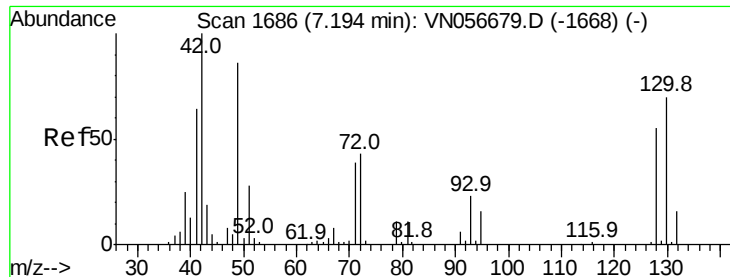
Instrument :
MSVOA_N
Client Sample ID :
VSTDCCC020EC

Manual Integrations
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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: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

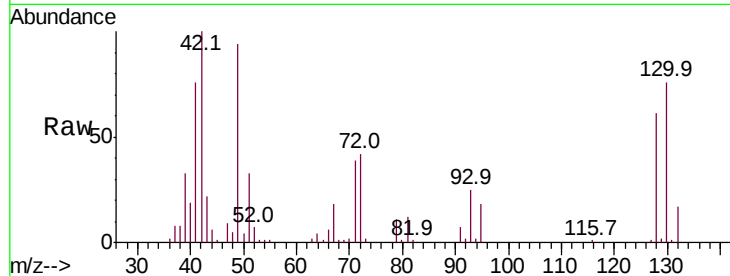
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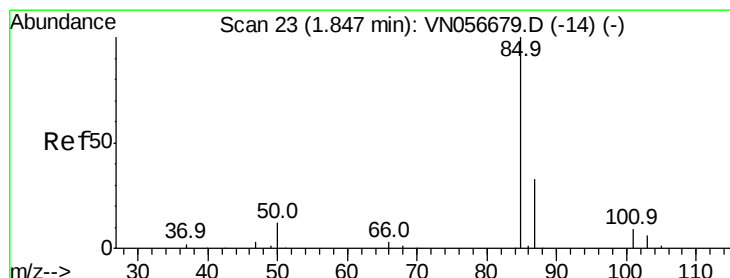
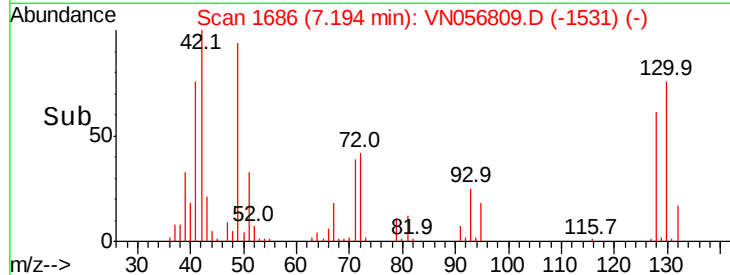
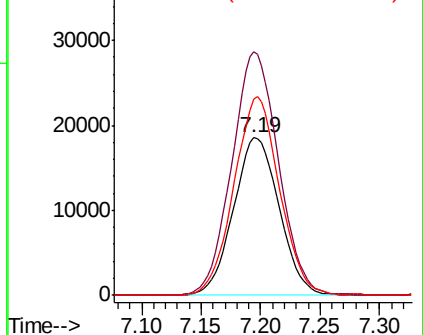
Tot Ion:	128	Resp:	49475
Ion	Ratio	Lower	Upper
128	100		
49	157.3	0.0	390.5
130	125.4	0.0	316.5

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: 20.430 ug/l

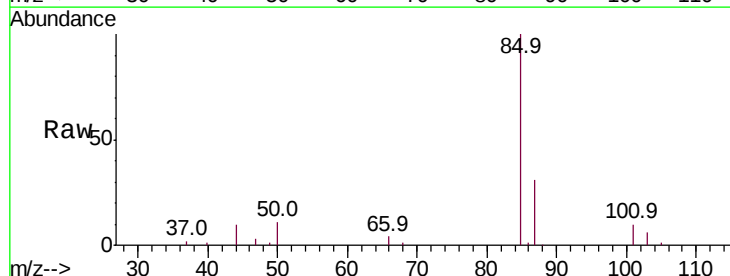
RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

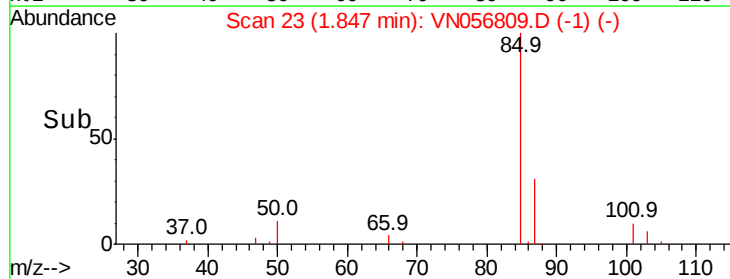
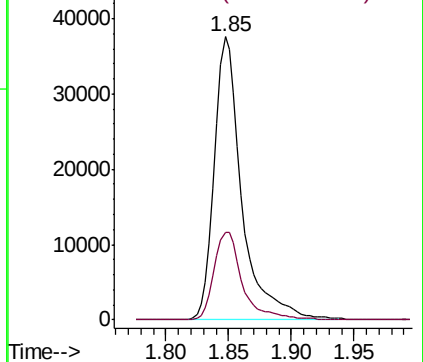
Lab File: VN056809.D

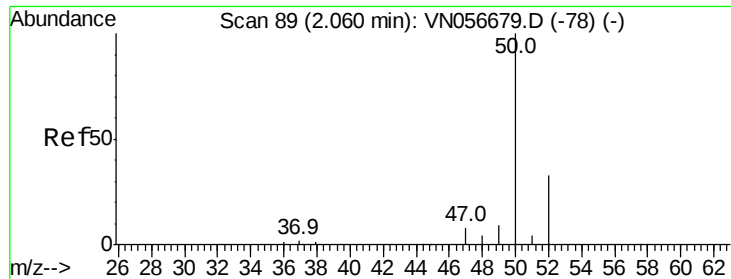
Acq: 18 Jul 2019 12:52

Tgt Ion:	85	Resp:	57436
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: 20.172 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 75843

Ion Ratio Lower Upper

50 100

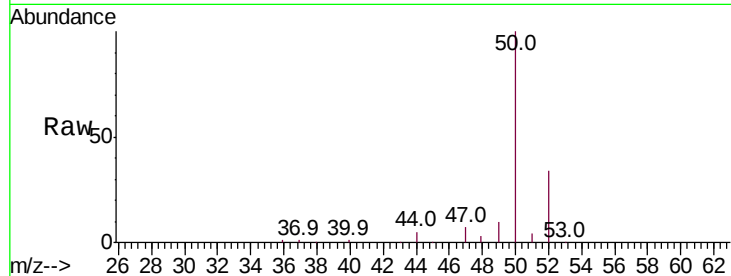
52 33.7 26.5 39.7

Manual Integrations

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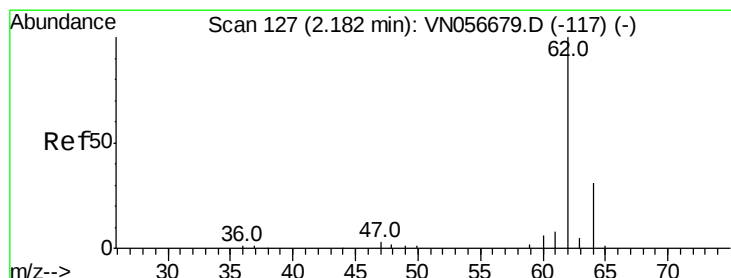
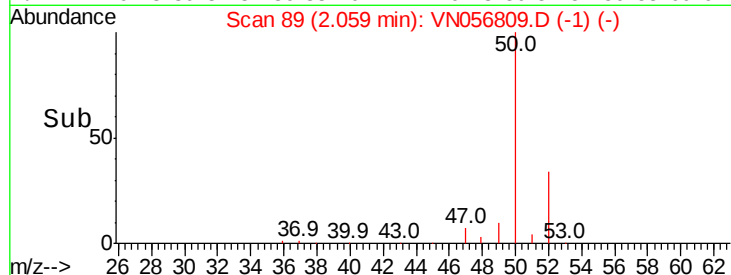
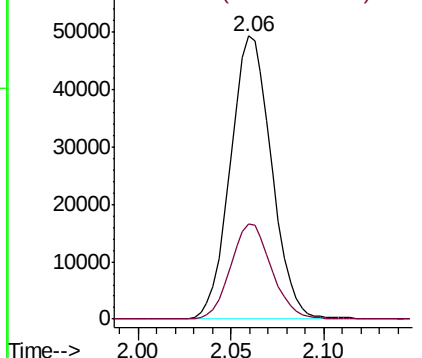
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.025 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056809.D

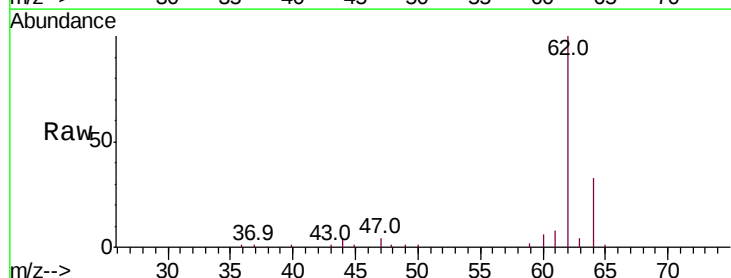
Acq: 18 Jul 2019 12:52

Tgt Ion: 62 Resp: 74057

Ion Ratio Lower Upper

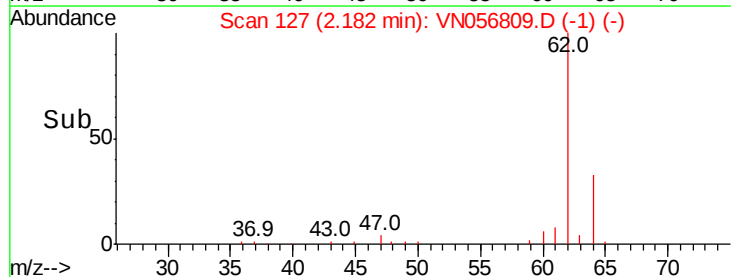
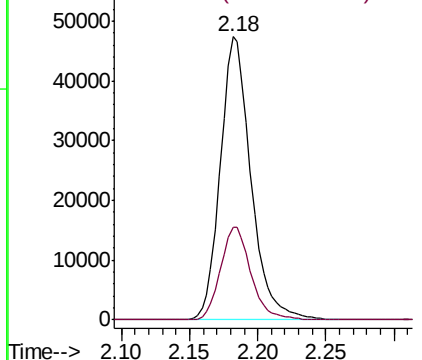
62 100

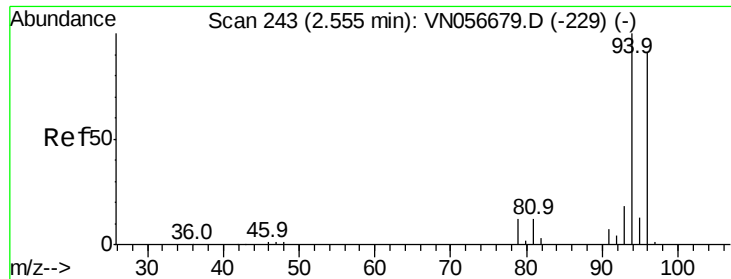
64 32.6 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





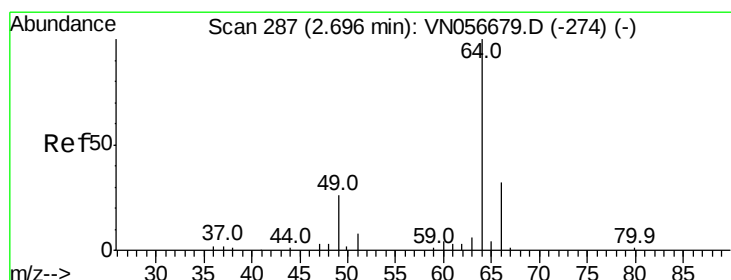
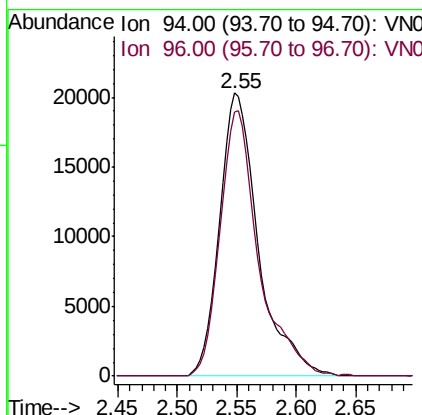
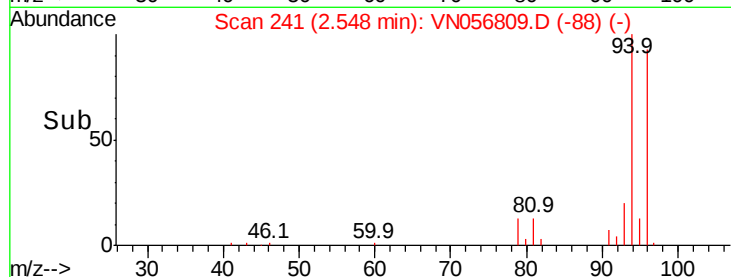
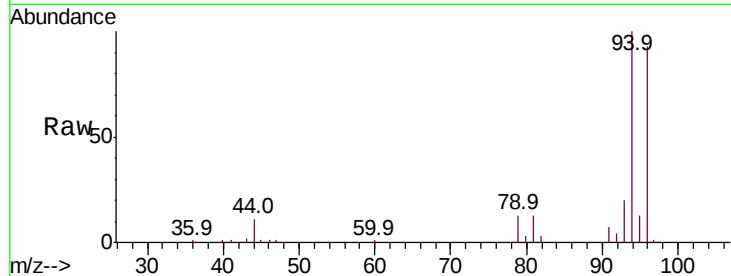
#5
Bromomethane
Concen: 19.728 ug/l
RT: 2.55 min Scan# 241
Delta R.T. -0.01 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
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ClientSampleId :
VSTDCCC020EC

Tot Ion: 94 Resp: 45985
Ion Ratio Lower Upper
94 100
96 93.2 72.8 109.2

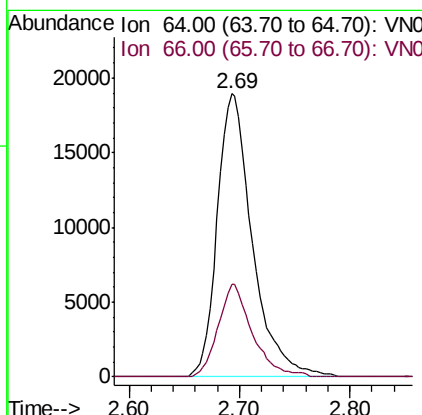
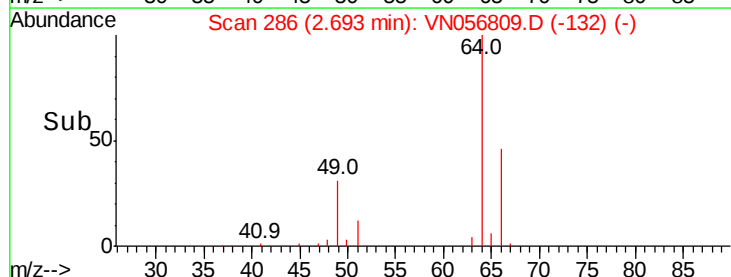
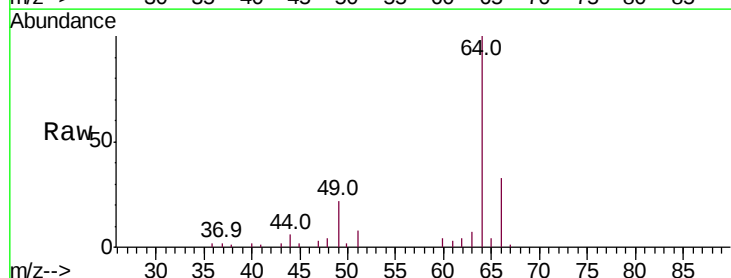
Manual Integrations
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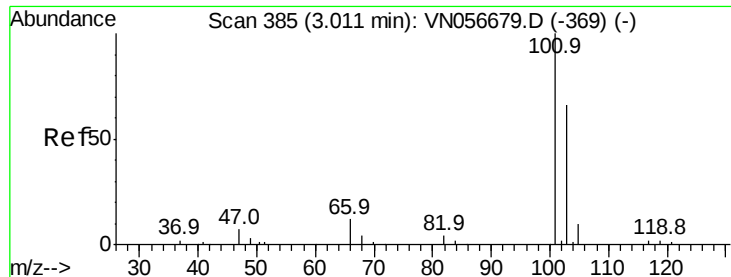
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#6
Chloroethane
Concen: 19.779 ug/l
RT: 2.69 min Scan# 286
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion: 64 Resp: 41795
Ion Ratio Lower Upper
64 100
66 32.5 25.7 38.5





#7

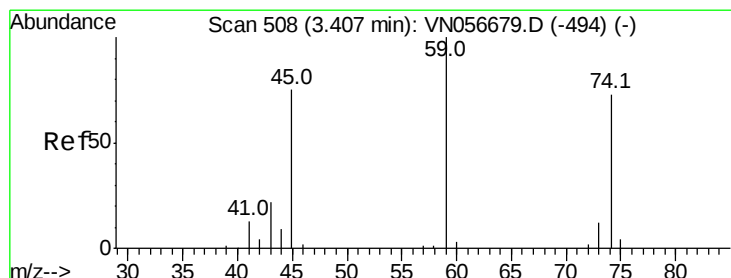
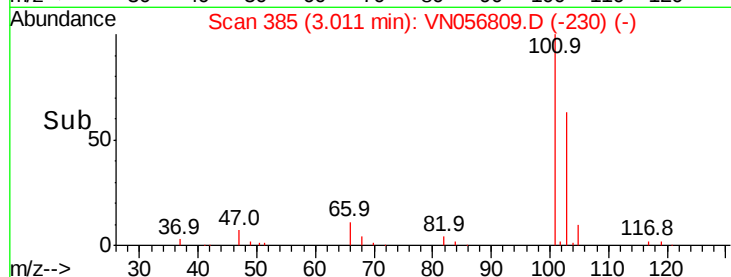
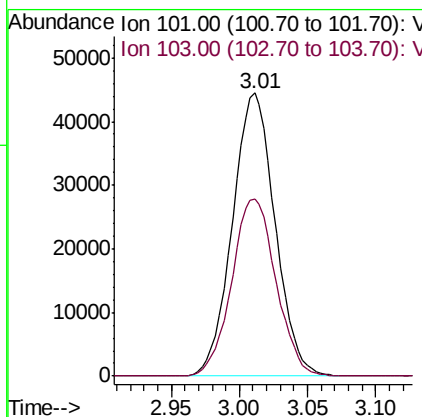
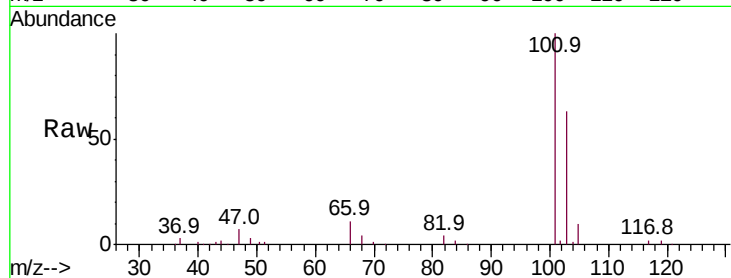
Trichlorofluoromethane
 Concen: 20.351 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.8	79.2

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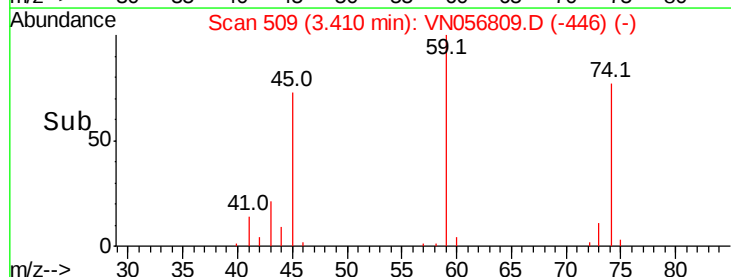
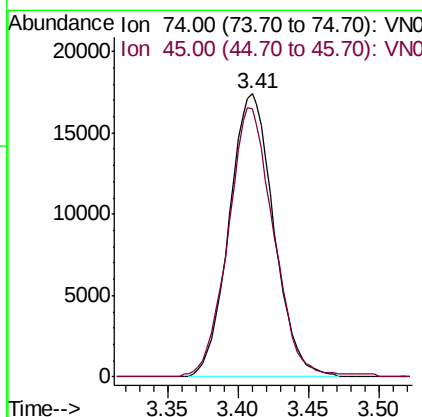
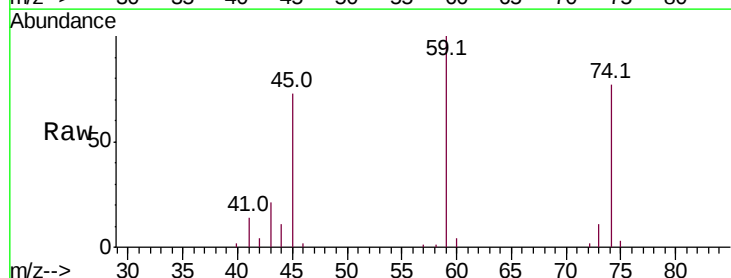
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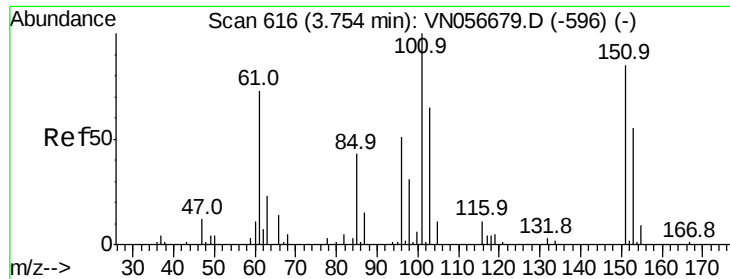


#8

Diethyl Ether
 Concen: 19.813 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056809.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	19.9	179.5





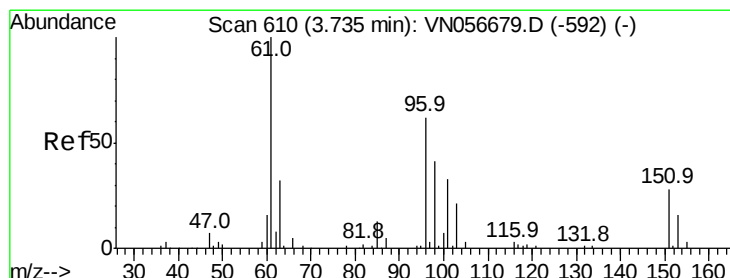
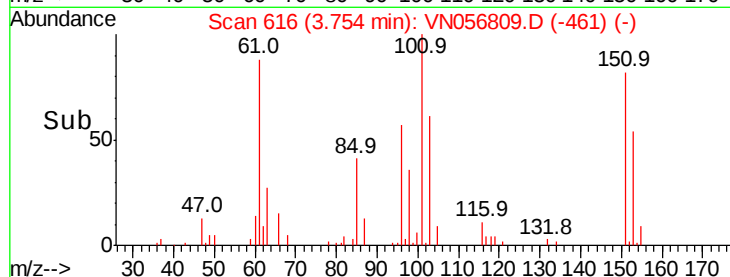
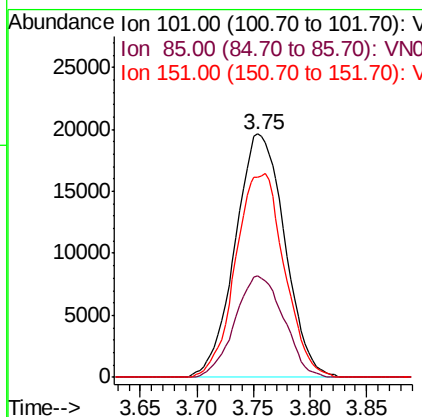
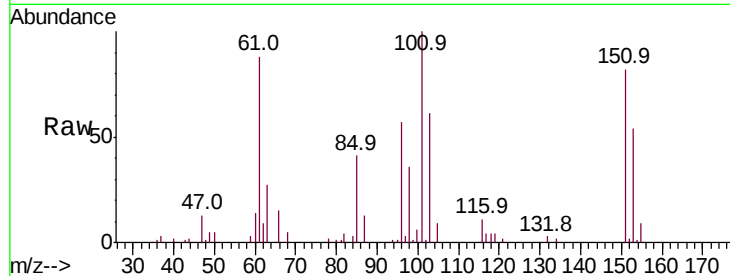
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.194 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Tot Ion:	101	Resp:	59728
Ion Ratio	Lower	Upper	
101	100		
85	40.9	0.0	84.2
151	82.5	0.0	167.6

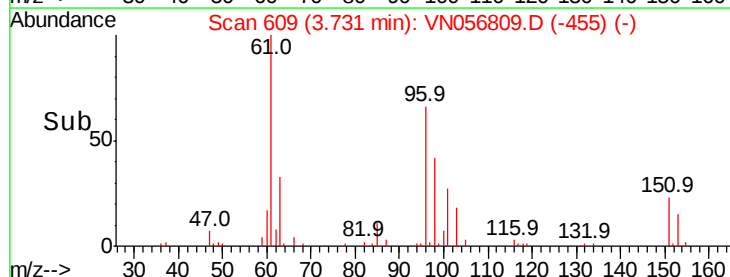
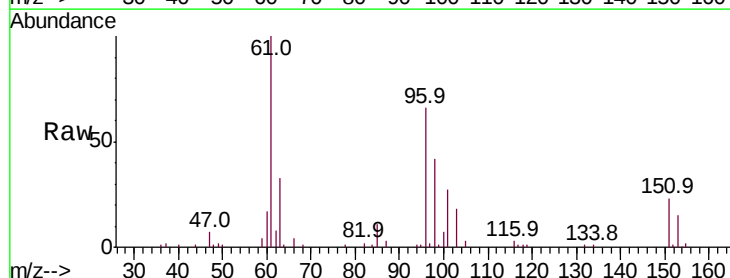
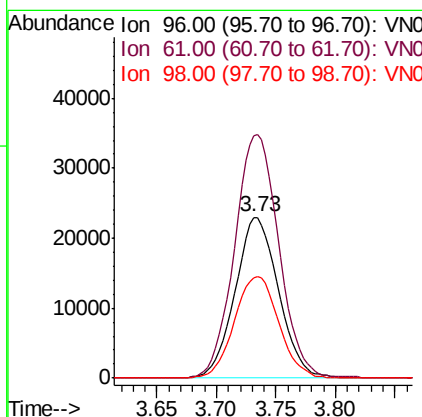
Manual Integrations
 APPROVED

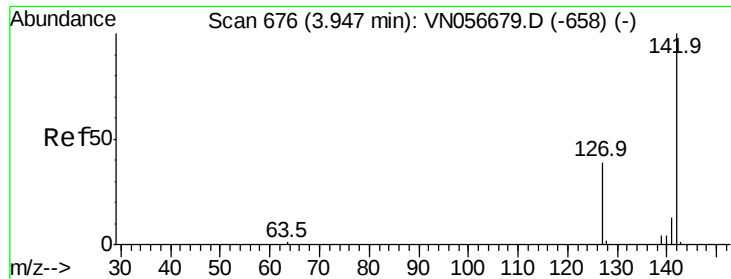
MMDadoda
 7/19/2019 11:31:39 PM



#10
 1,1-Dichloroethene
 Concen: 19.913 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion:	96	Resp:	58104
Ion Ratio	Lower	Upper	
96	100		
61	150.6	129.0	193.4
98	62.6	52.5	78.7





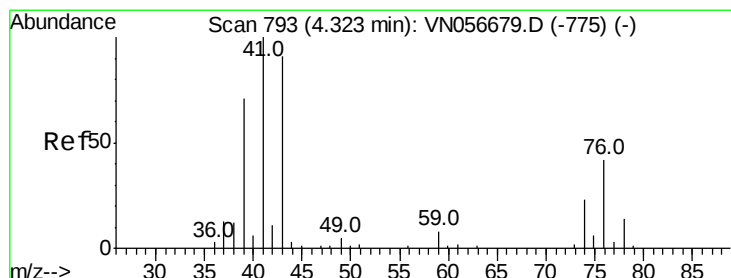
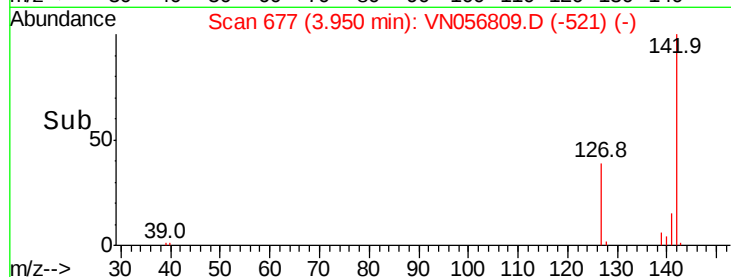
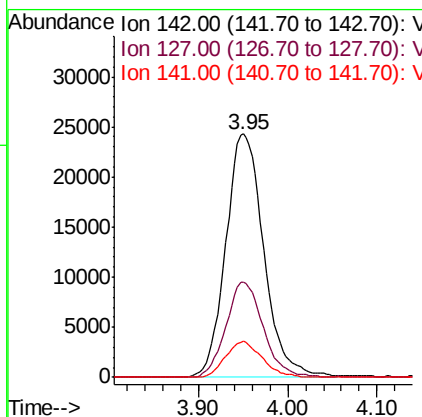
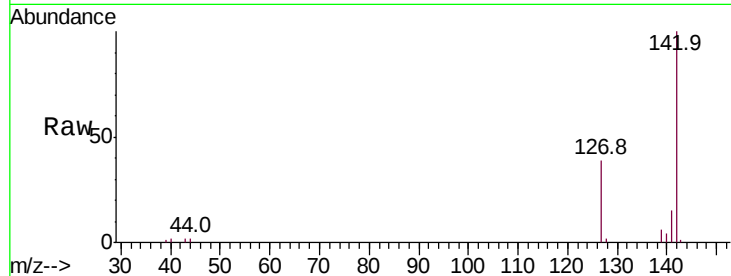
#11
Methyl Iodide
Concen: 18.531 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.0	19.5	58.5
141	15.0	6.8	20.3

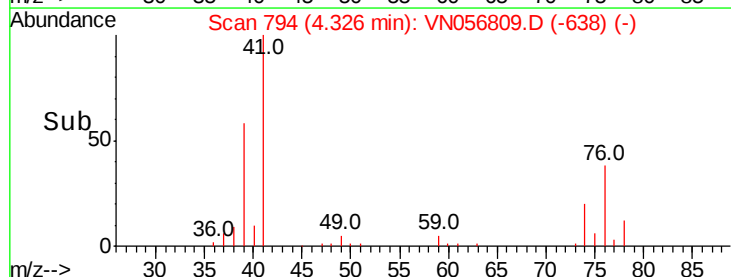
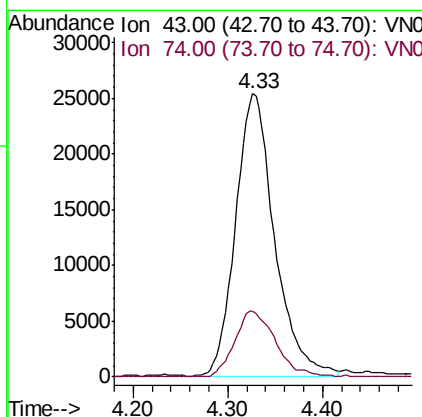
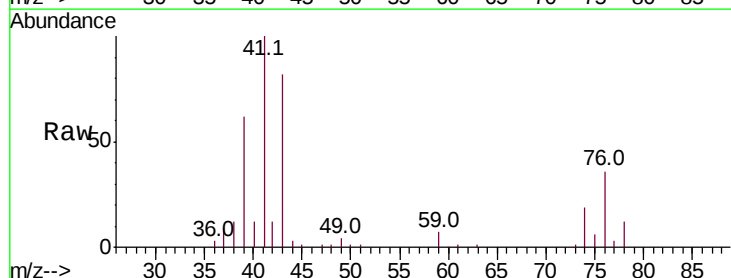
Manual Integrations
APPROVED

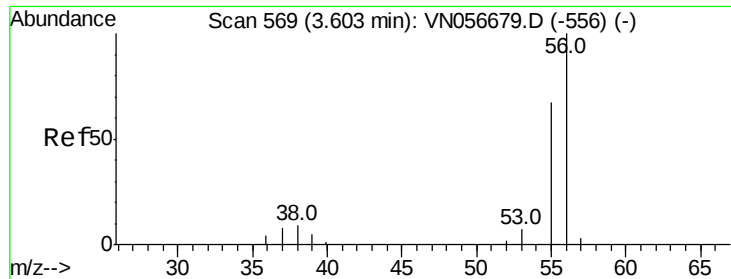
MMDadoda
7/19/2019 11:31:39 PM



#12
Methyl Acetate
Concen: 18.703 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	20.2	30.4





#13

Acrolein

Concen: 112.087 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 30867

Ion Ratio Lower Upper

56 100

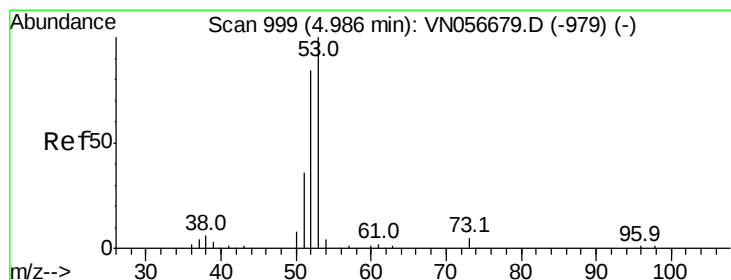
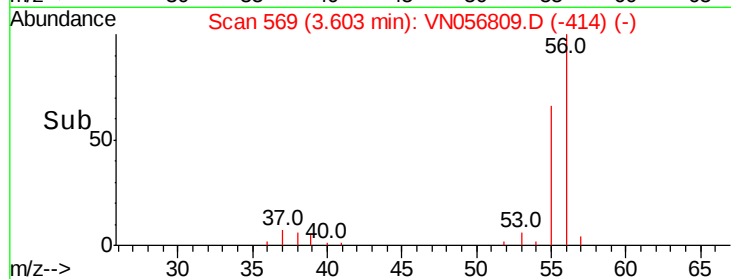
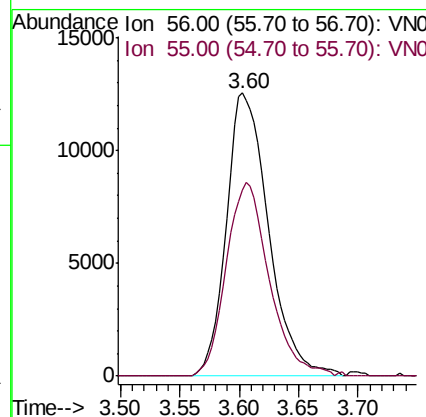
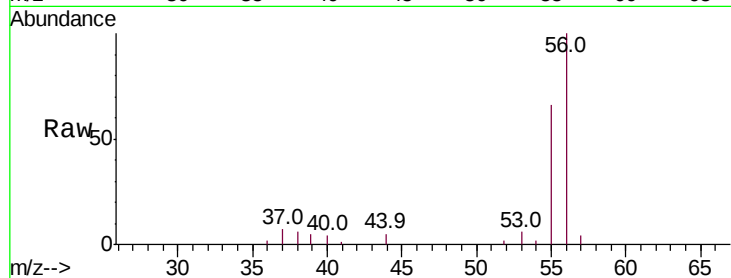
55 68.9 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

7/19/2019 11:31:39 PM



#14

Acrylonitrile

Concen: 100.574 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

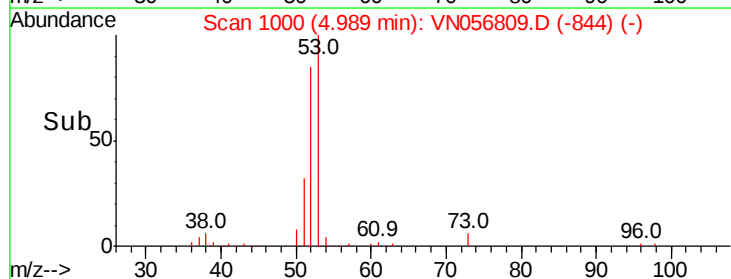
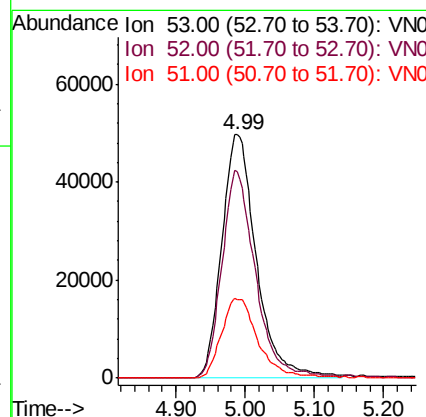
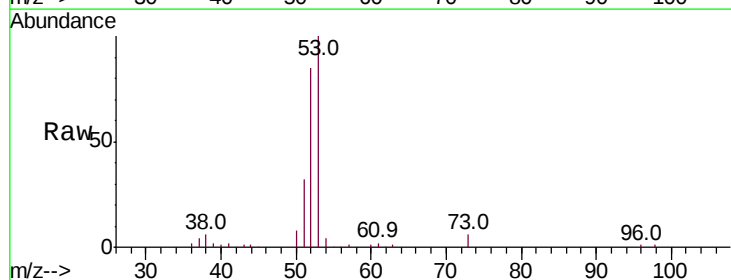
Tgt Ion: 53 Resp: 173054

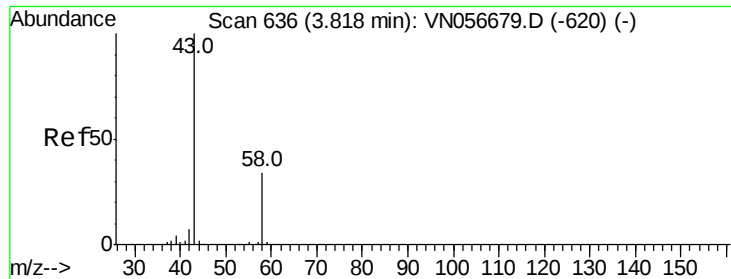
Ion Ratio Lower Upper

53 100

52 80.8 41.3 123.7

51 34.4 17.7 53.1





#15

Acetone

Concen: 91.689 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 54459

Ion Ratio Lower Upper

58 100

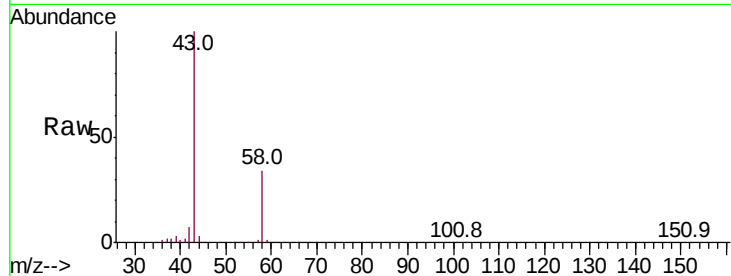
43 288.6 233.9 350.9

Manual Integrations

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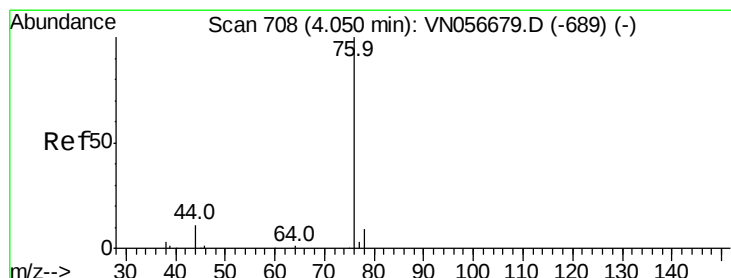
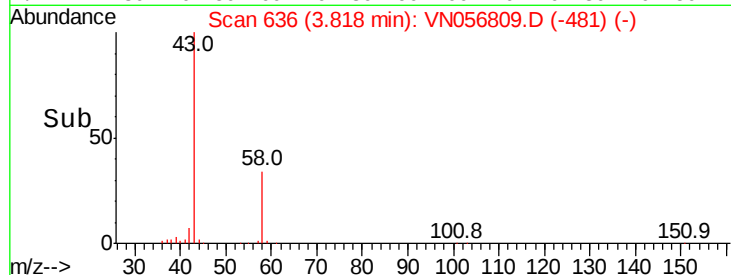
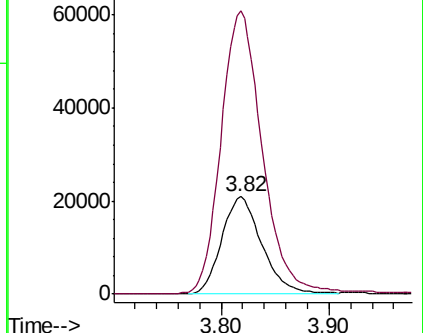
MMDadoda

7/19/2019 11:31:39 PM



Abundance Ion 58.00 (57.70 to 58.70): VN056679.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN056679.D (-620) (-)



#16

Carbon Disulfide

Concen: 18.679 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056809.D

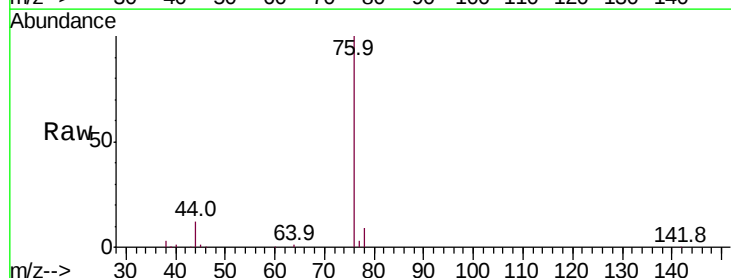
Acq: 18 Jul 2019 12:52

Tgt Ion: 76 Resp: 143754

Ion Ratio Lower Upper

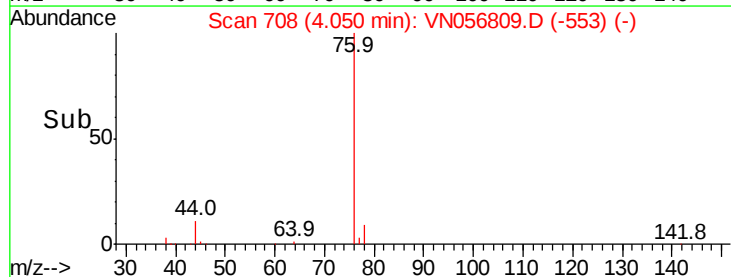
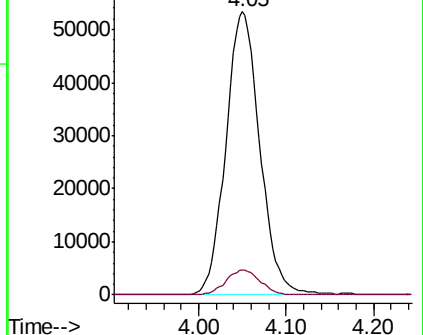
76 100

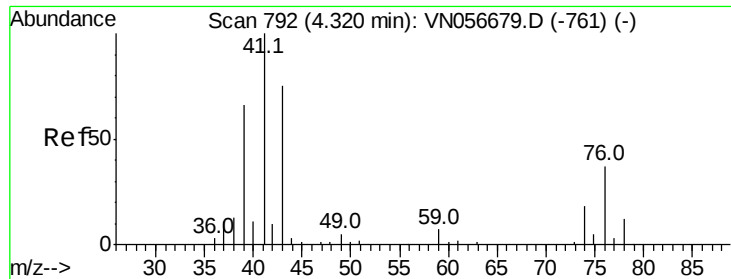
78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN056679.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN056679.D (-689) (-)





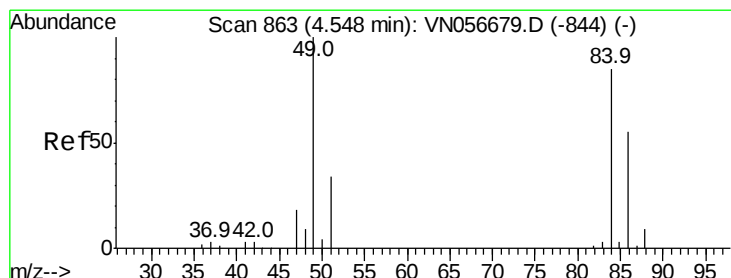
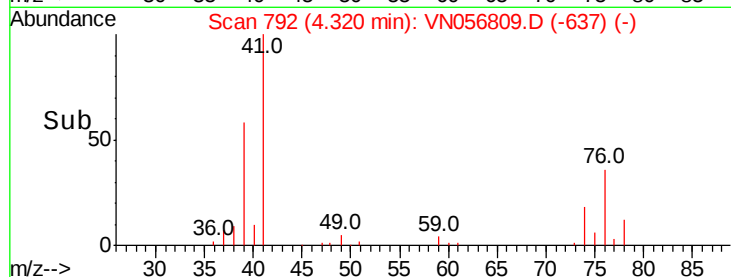
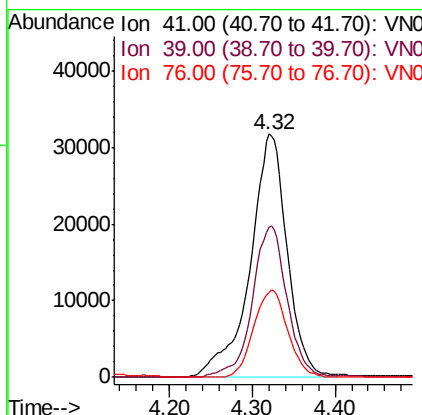
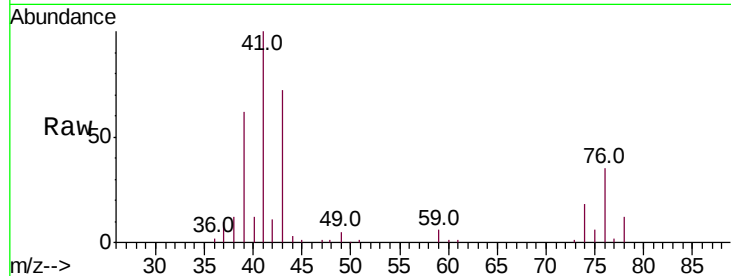
#17
Allvl chloride
Concen: 19.366 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.8	32.8	98.4
76	34.9	18.5	55.5

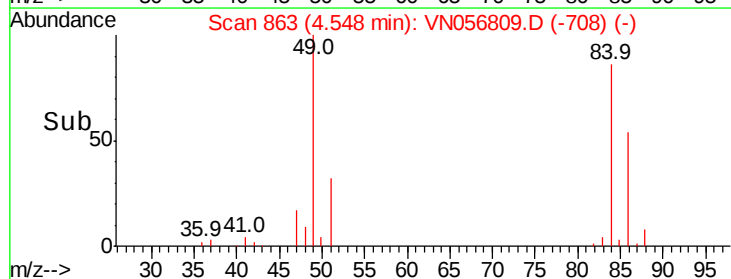
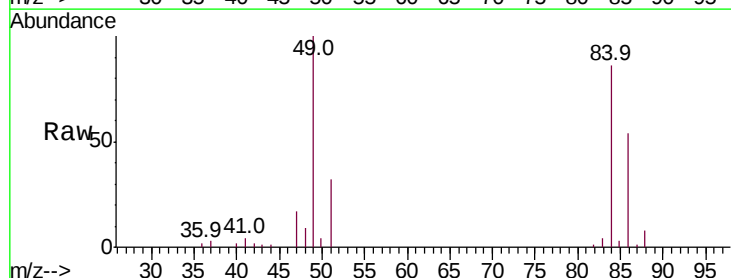
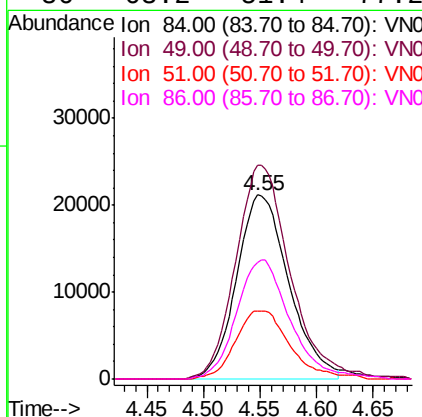
Manual Integrations
APPROVED

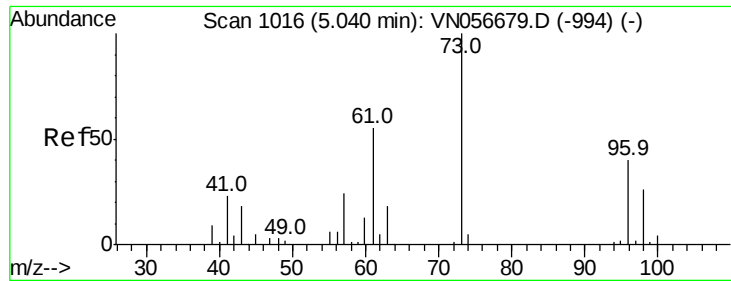
MMDadoda
7/19/2019 11:31:39 PM



#18
Methylene Chloride
Concen: 19.923 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.4	93.9	140.9
51	37.2	31.7	47.5
86	63.2	51.4	77.2





#19

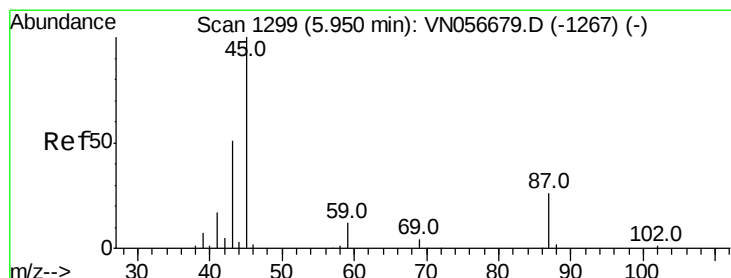
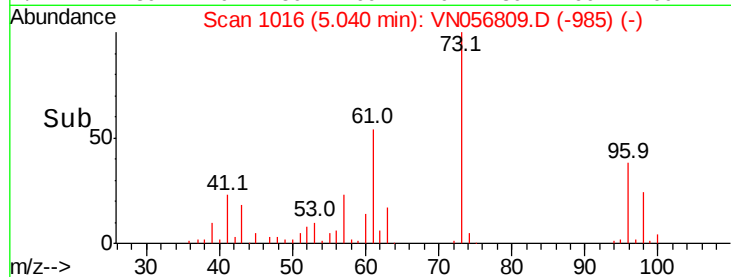
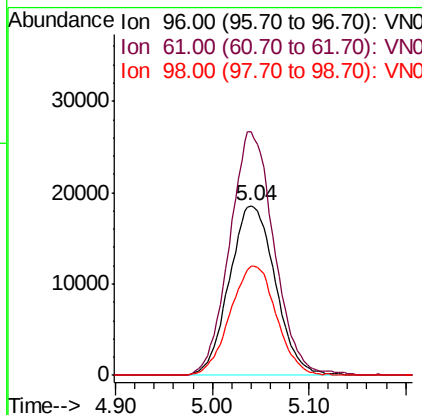
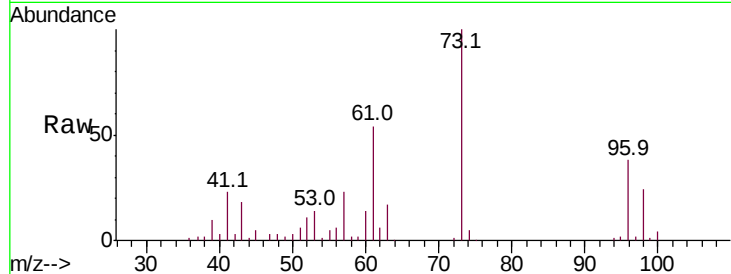
trans-1,2-Dichloroethene
Concen: 19.636 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	109.6	164.4
98	64.1	51.4	77.2

Manual Integrations
APPROVED

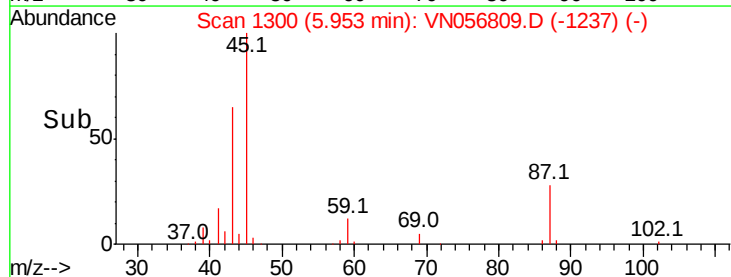
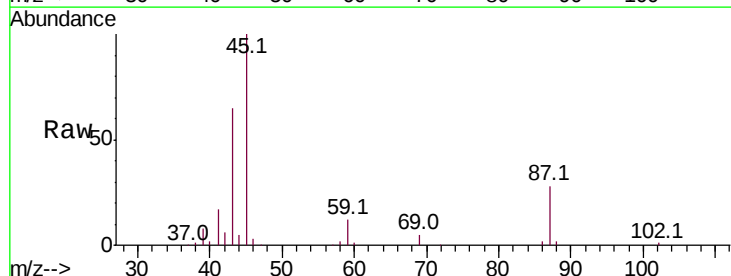
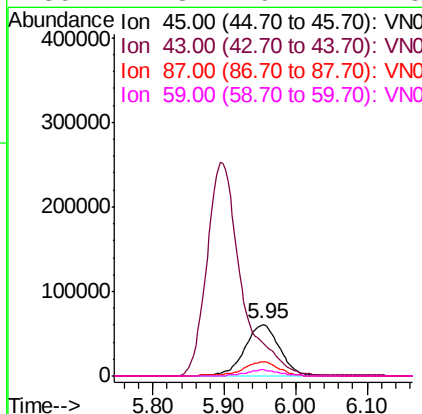
MMDadoda
7/19/2019 11:31:39 PM

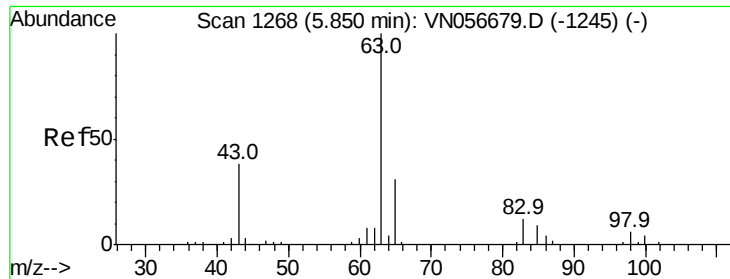


#20

Diisopropyl ether
Concen: 20.374 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	50.3	75.5
87	27.9	21.4	32.0
59	11.3	9.7	14.5





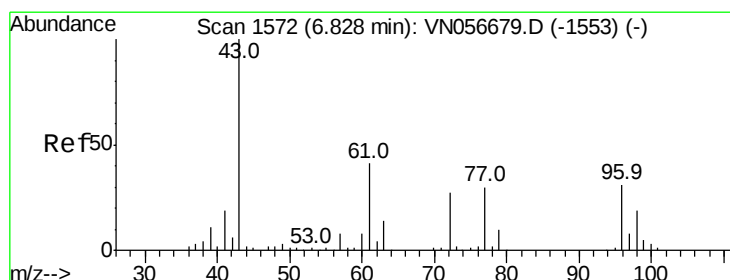
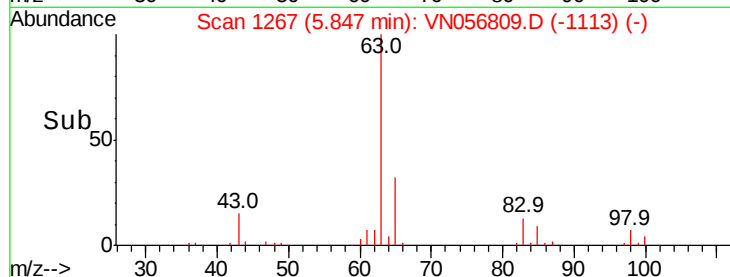
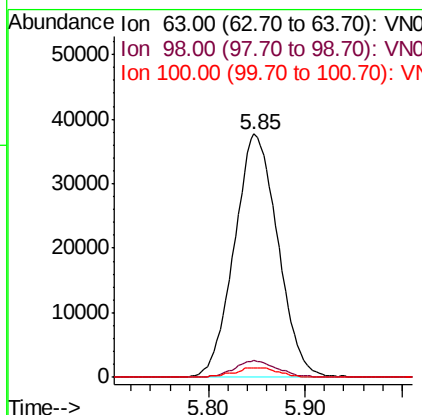
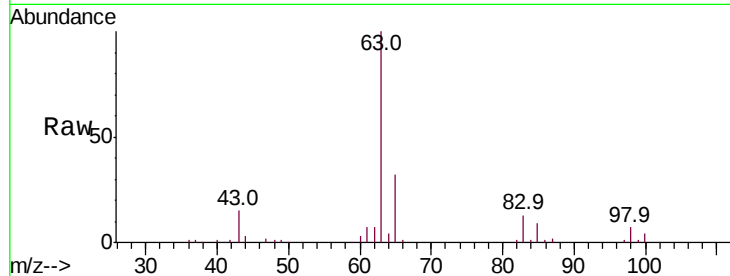
#21
 1,1-Dichloroethane
 Concen: 20.269 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	63	Resp	117786
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.3	9.8
100	4.0	2.1	6.3

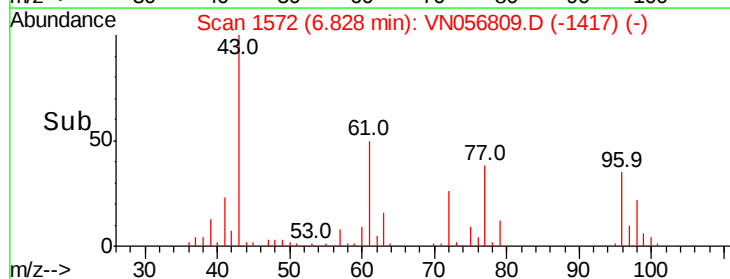
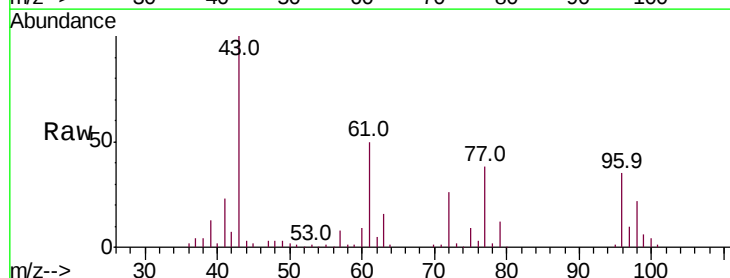
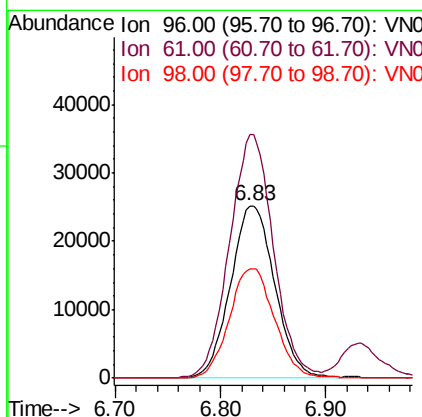
Manual Integrations
 APPROVED

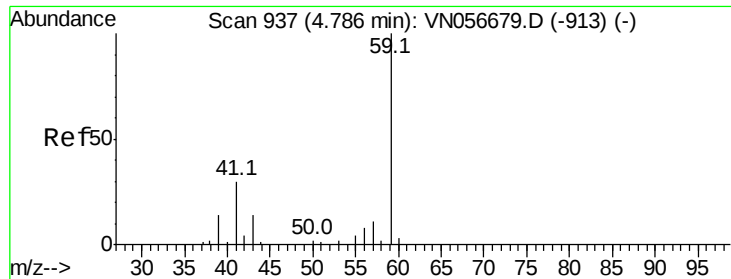
MMDadoda
 7/19/2019 11:31:39 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.093 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion	96	Resp	73396
Ion Ratio	Lower	Upper	
96	100		
61	140.2	112.1	168.1
98	64.6	52.2	78.2





#23

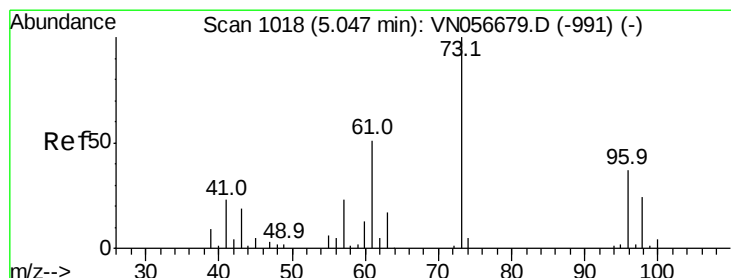
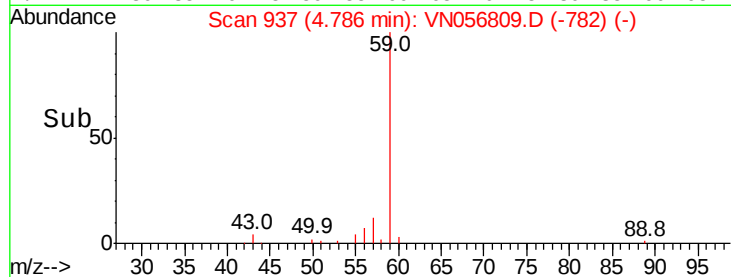
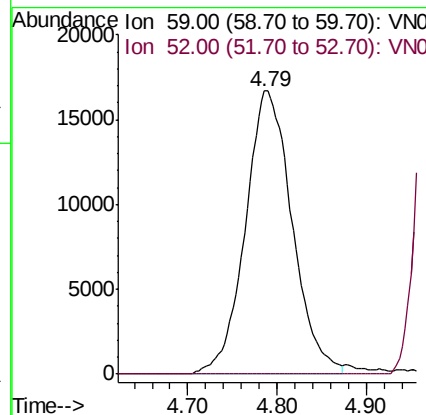
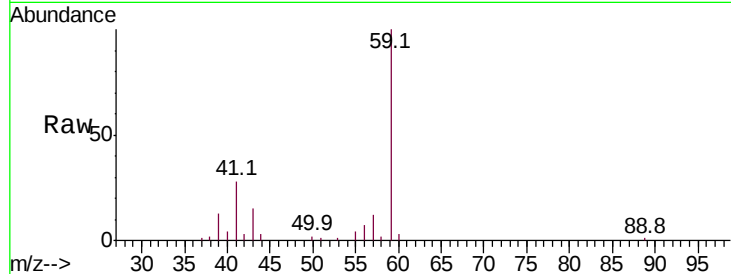
tert-Butyl Alcohol
 Concen: 101.548 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 60952
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
 APPROVED

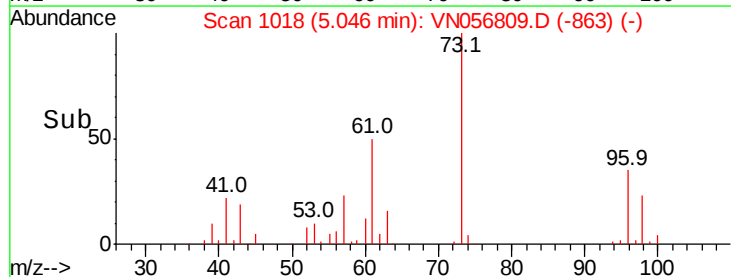
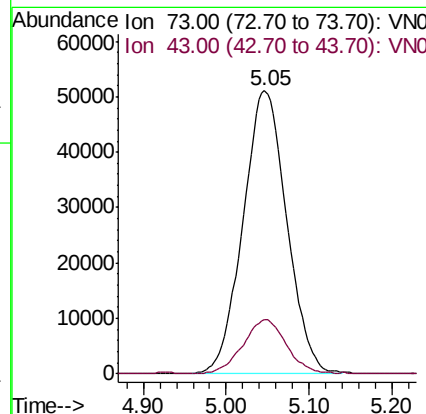
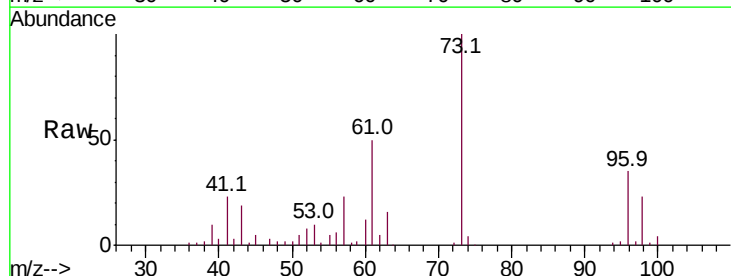
MMDadoda
 7/19/2019 11:31:39 PM

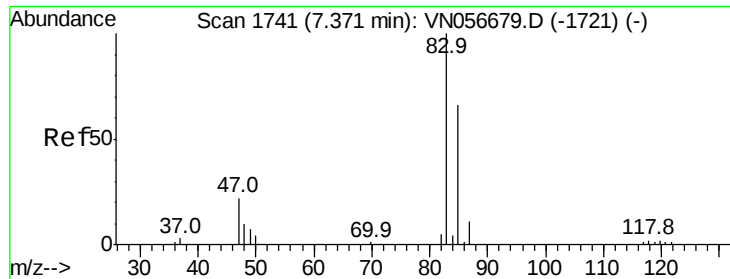


#24

Methyl tert-Butyl Ether
 Concen: 20.147 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 73 Resp: 187506
 Ion Ratio Lower Upper
 73 100
 43 19.0 15.1 22.7





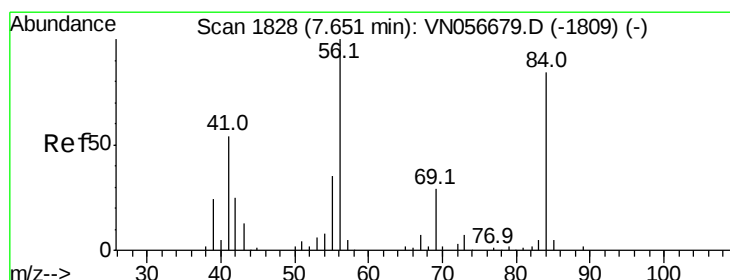
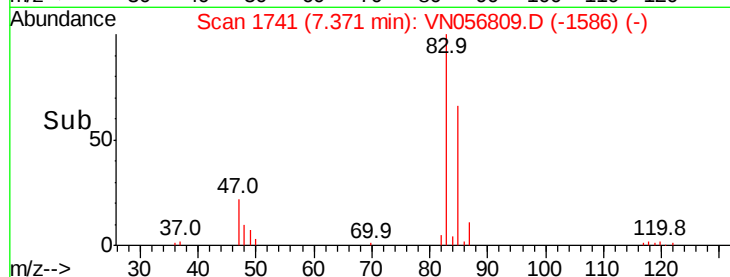
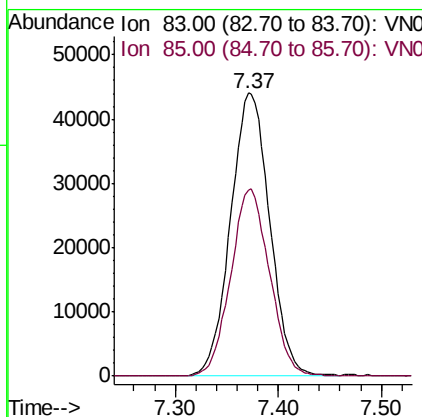
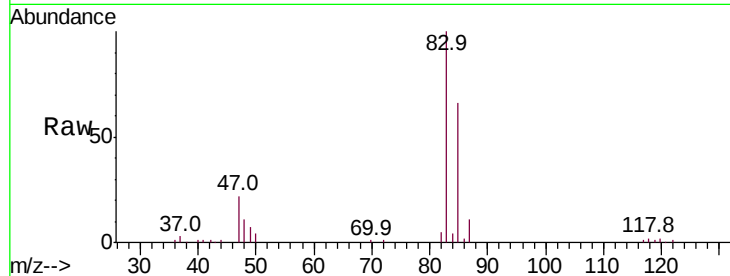
#25
Chloroform
Concen: 20.526 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	116212
Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.6	79.0

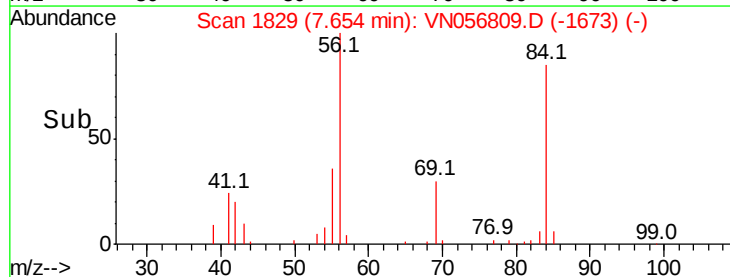
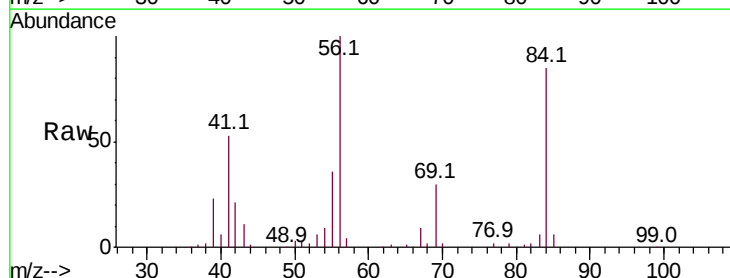
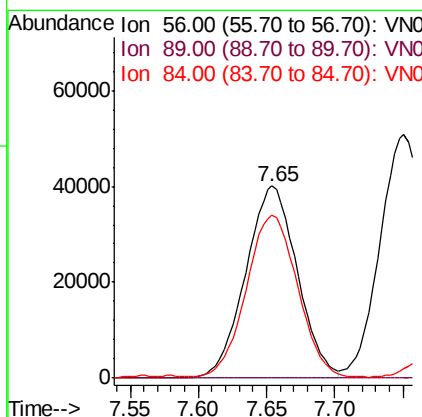
Manual Integrations
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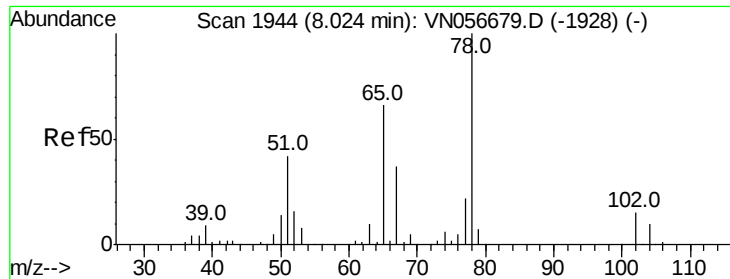
MMDadoda
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#26
Cyclohexane
Concen: 19.468 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	56	Resp	105157
Ion	Ratio	Lower	Upper
56	100		
89	0.0	1.4	2.2#
84	83.6	68.2	102.4





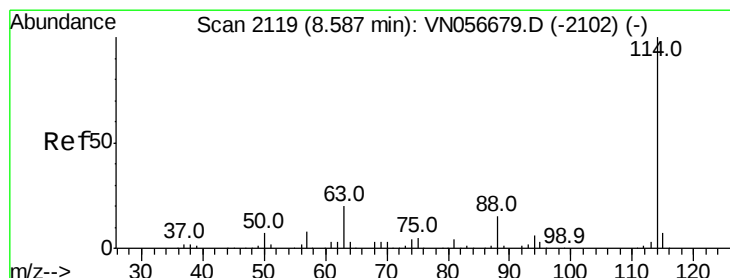
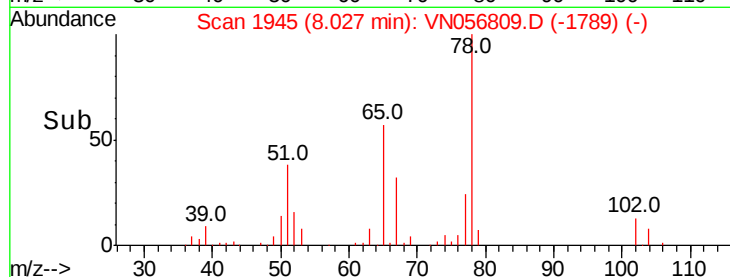
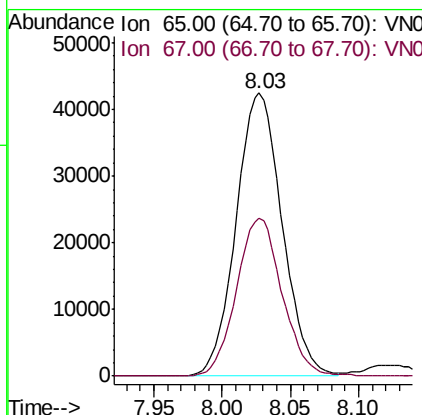
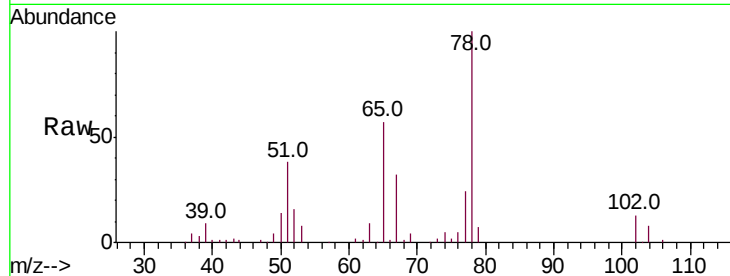
#27
 1,2-Dichloroethane-d4
 Concen: 29.696 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 99520
 Ion Ratio Lower Upper
 65 100
 67 55.2 43.4 65.0

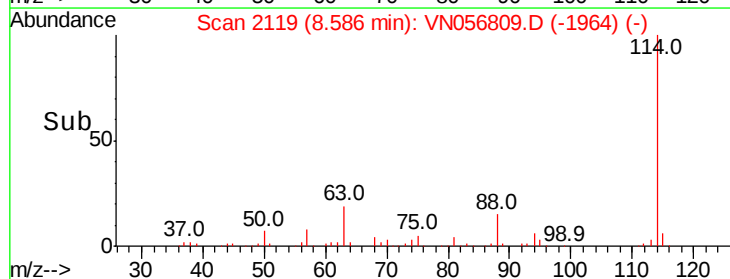
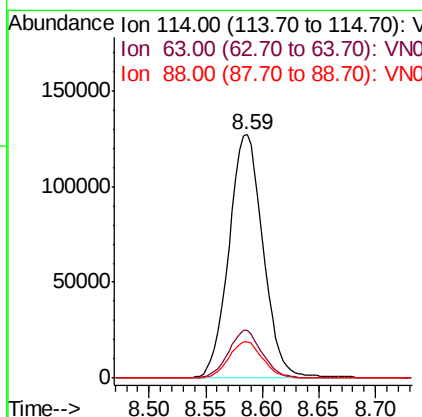
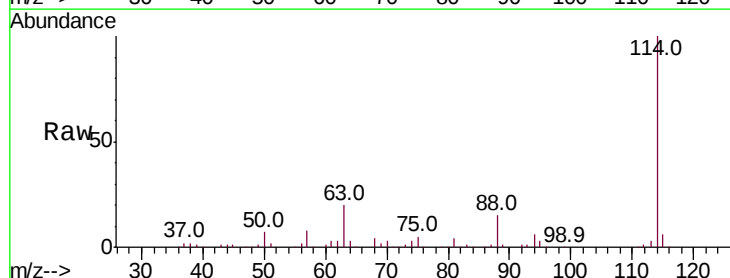
Manual Integrations
 APPROVED

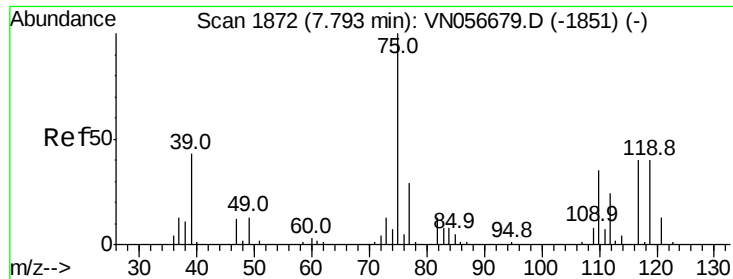
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 114 Resp: 267728
 Ion Ratio Lower Upper
 114 100
 63 19.3 16.2 24.2
 88 14.8 12.3 18.5





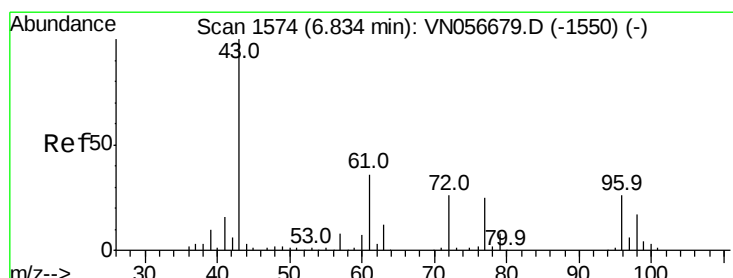
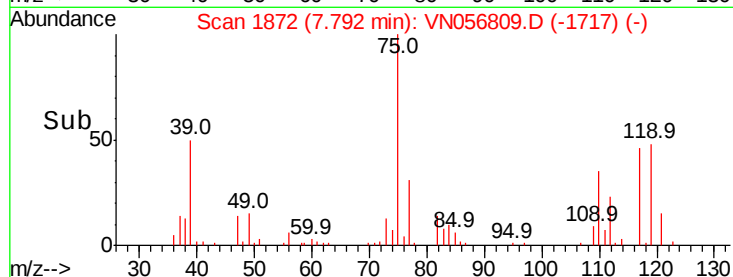
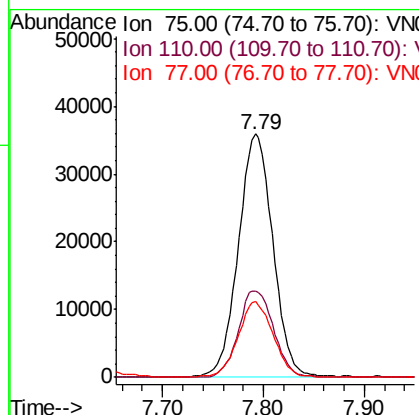
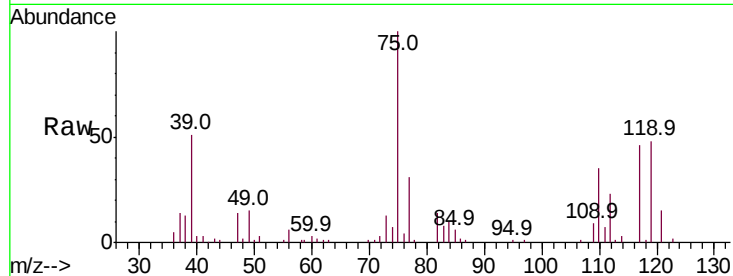
#29
 1,1-Dichloropropene
 Concen: 20.056 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	0.0	72.4	
77	31.6	0.0	62.2	

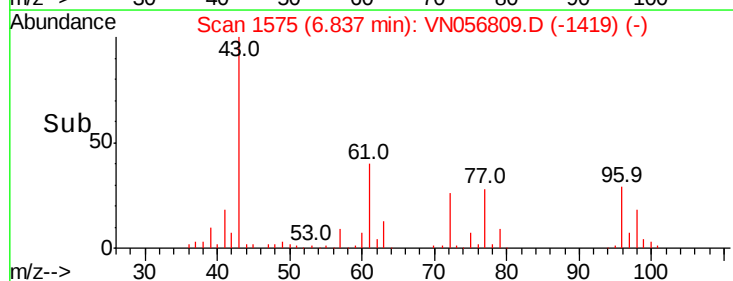
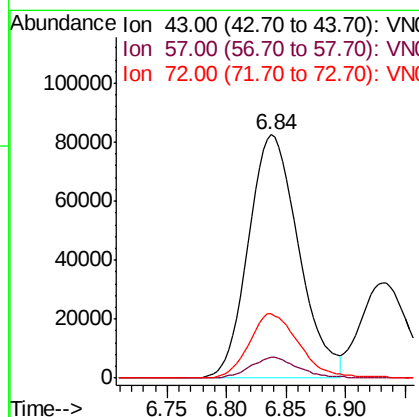
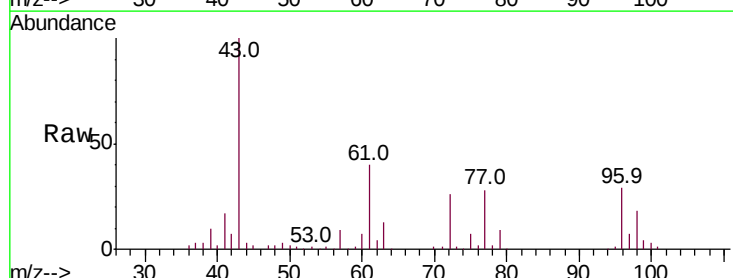
Manual Integrations
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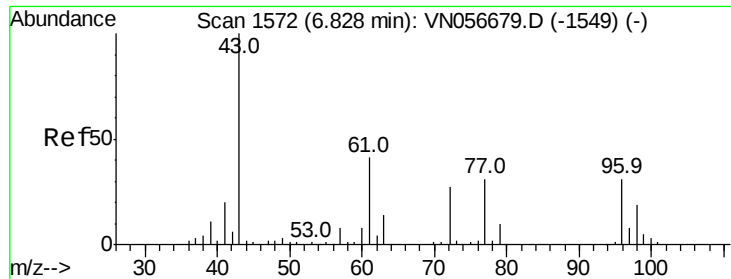
MMDadoda
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#30
 2-Butanone
 Concen: 97.385 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.2	6.6	10.0	
72	26.8	21.3	31.9	





#31

2,2-Dichloropropane

Concen: 20.886 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 86022

Ion Ratio Lower Upper

77 100

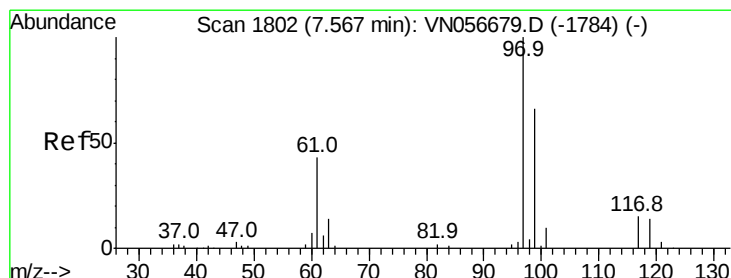
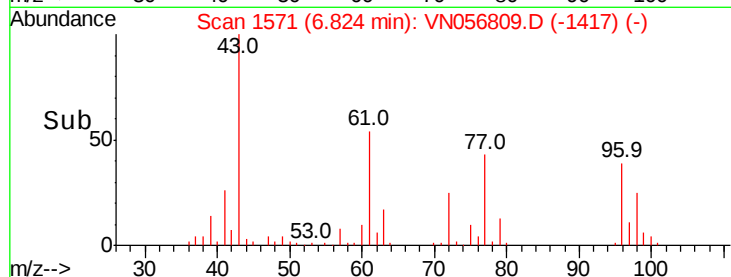
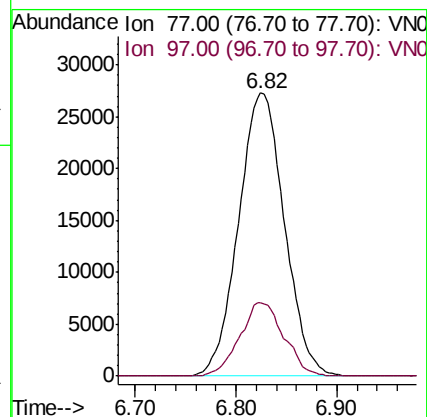
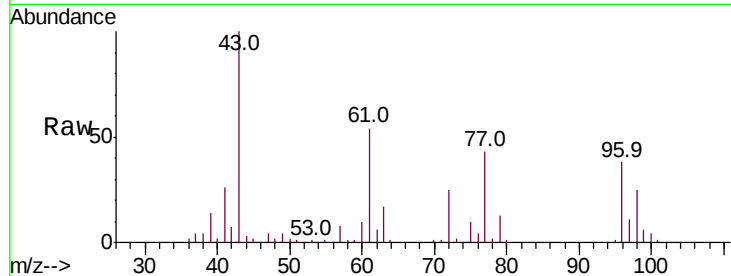
97 25.0 19.7 29.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.728 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

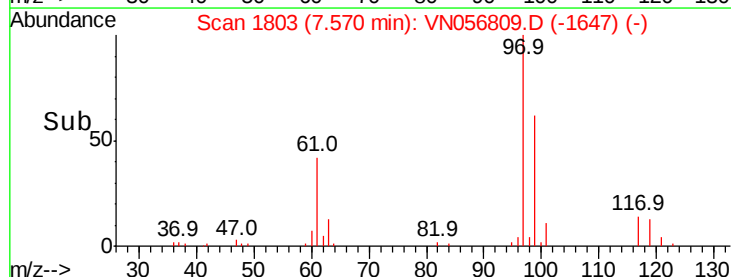
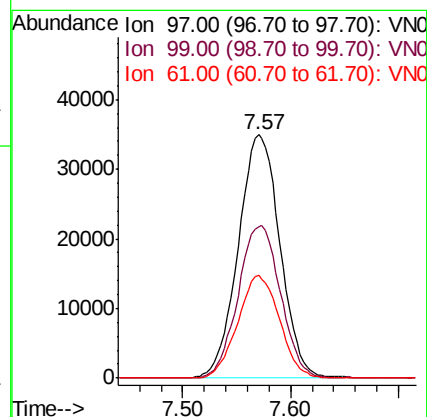
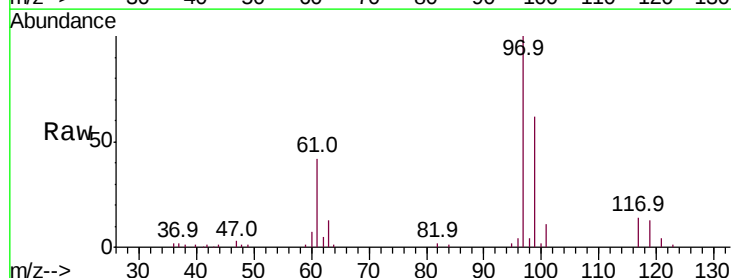
Tgt Ion: 97 Resp: 94030

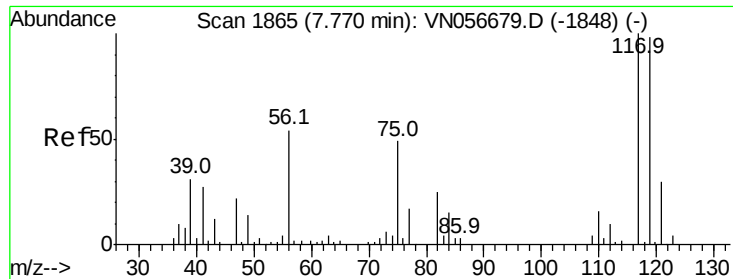
Ion Ratio Lower Upper

97 100

99 63.7 52.0 78.0

61 42.2 34.4 51.6





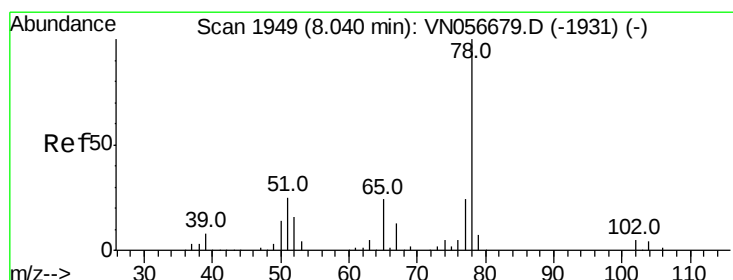
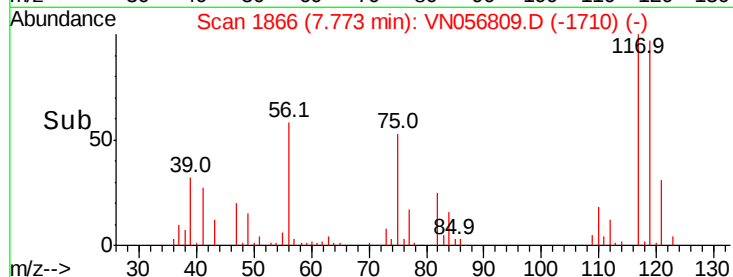
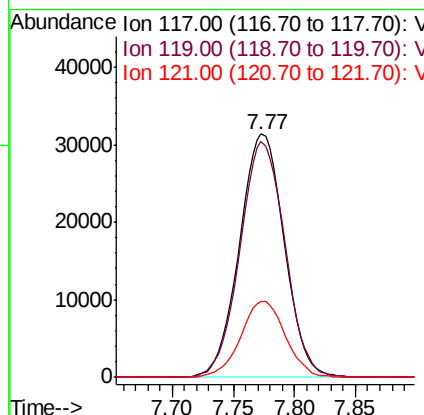
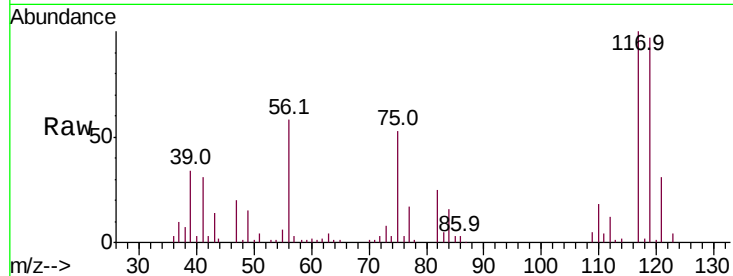
#33
Carbon Tetrachloride
Concen: 20.435 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.7	118.1
121	31.2	24.0	36.0

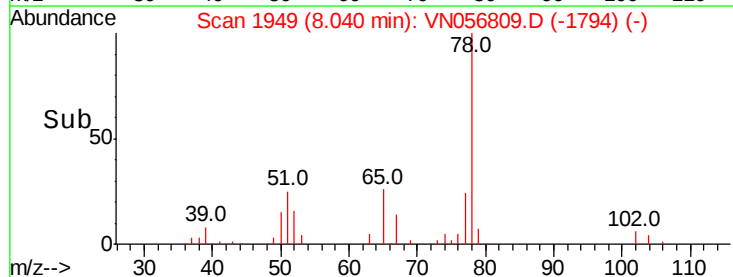
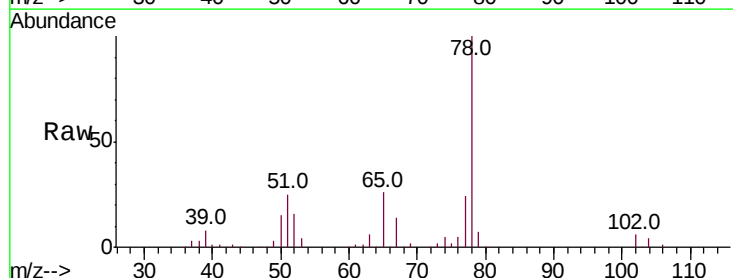
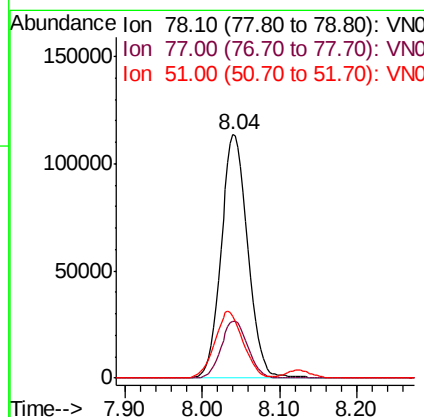
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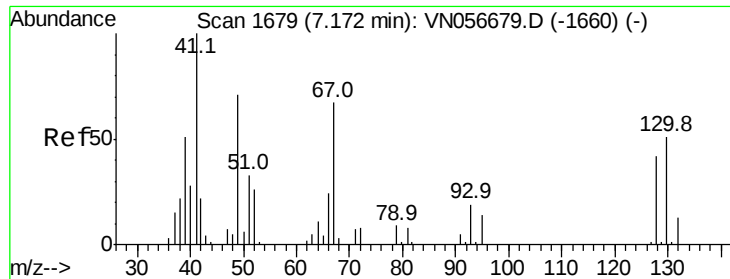
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#34
Benzene
Concen: 20.758 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4
51	25.5	19.7	29.5





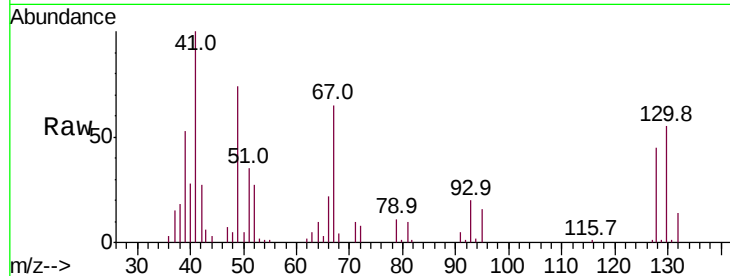
#35
Methacrylonitrile
Concen: 19.039 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

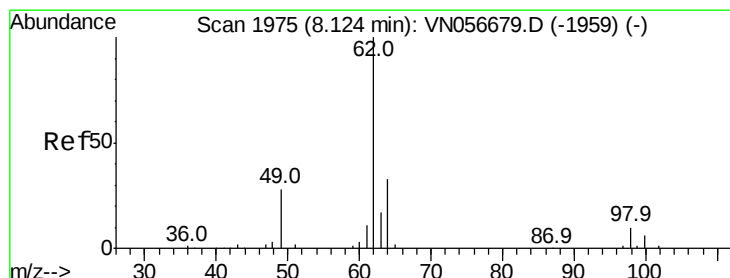
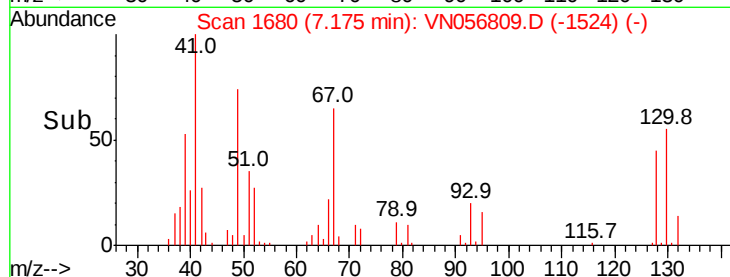
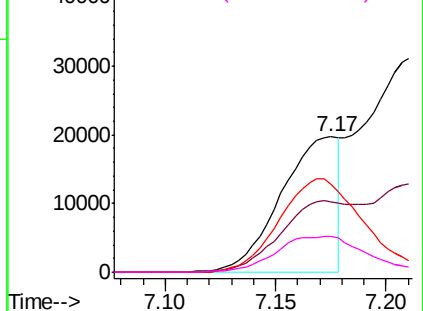
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.6	25.4	76.2
67	65.5	33.6	100.8
52	26.9	12.9	38.7

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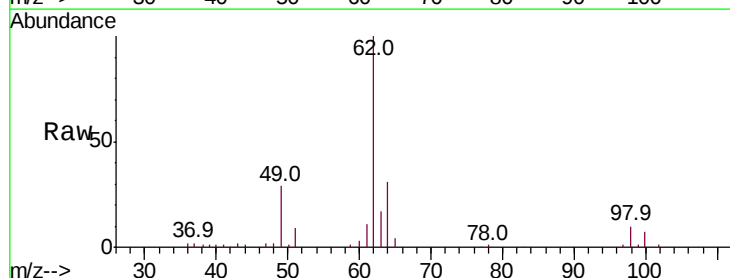


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

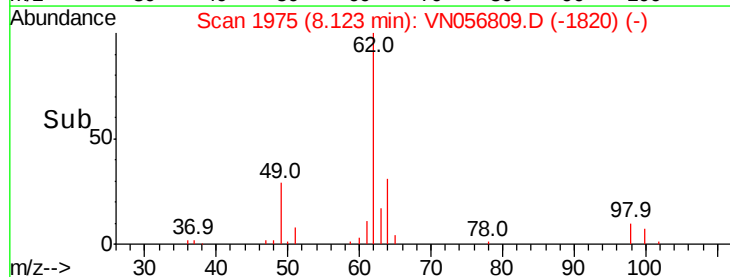
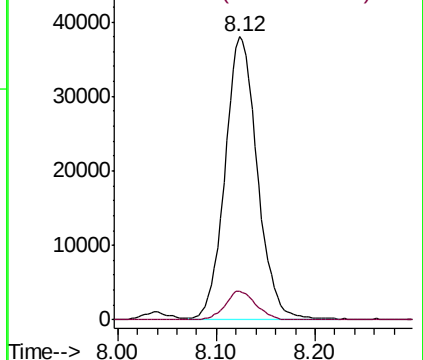


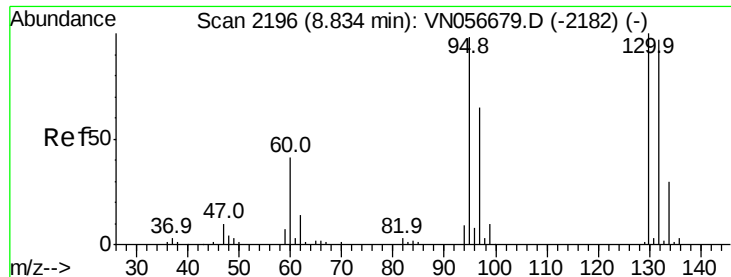
#36
1,2-Dichloroethane
Concen: 20.776 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.7	11.5



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





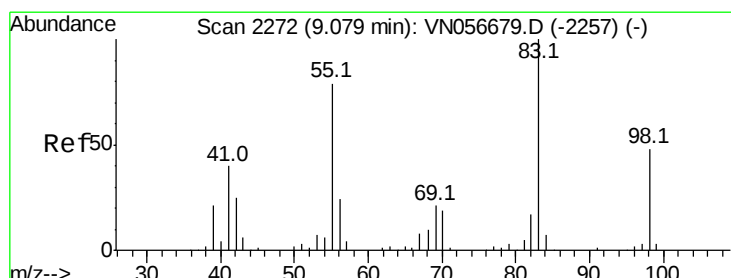
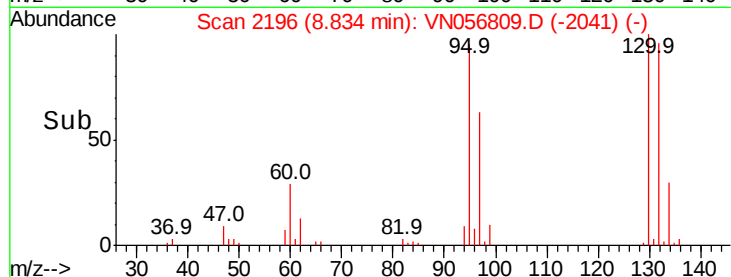
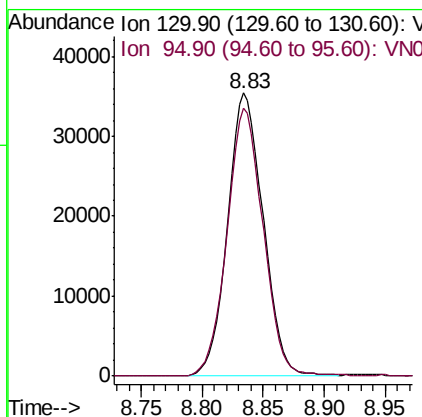
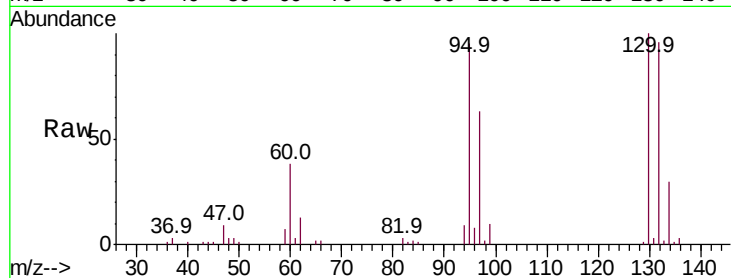
#37
 Trichloroethene
 Concen: 20.287 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 72044
 Ion Ratio Lower Upper
 130 100
 95 94.8 78.4 117.6

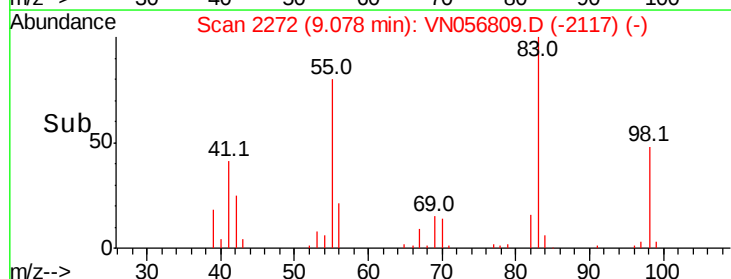
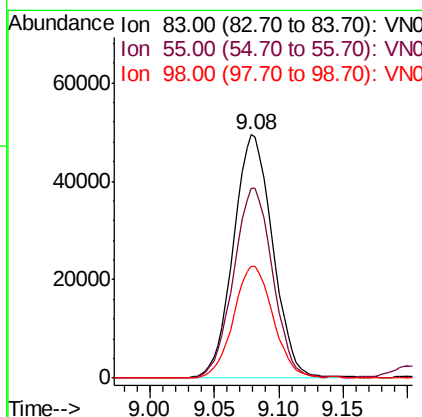
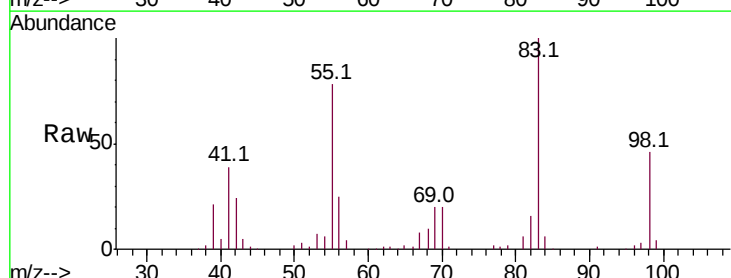
Manual Integrations
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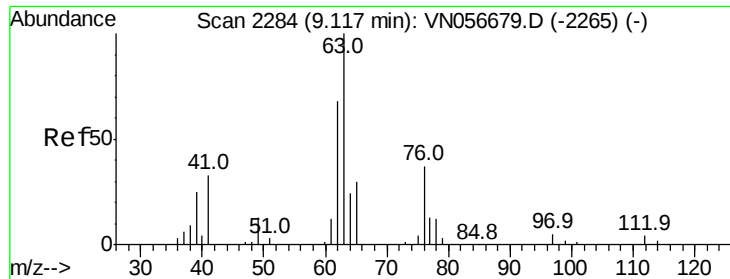
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.544 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 83 Resp: 105071
 Ion Ratio Lower Upper
 83 100
 55 77.9 38.4 115.2
 98 46.2 23.3 69.9





#39

1,2-Dichloropropane

Concen: 20.758 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 72858

Ion Ratio Lower Upper

63 100

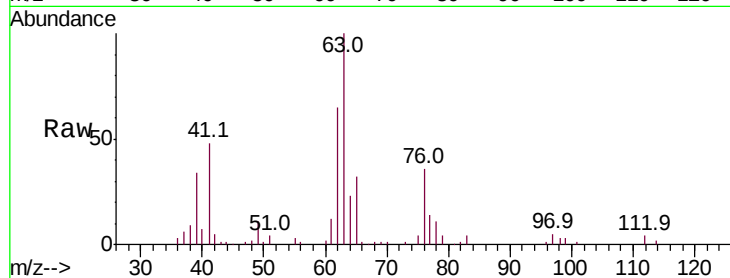
65 32.2 24.6 36.8

Manual Integrations

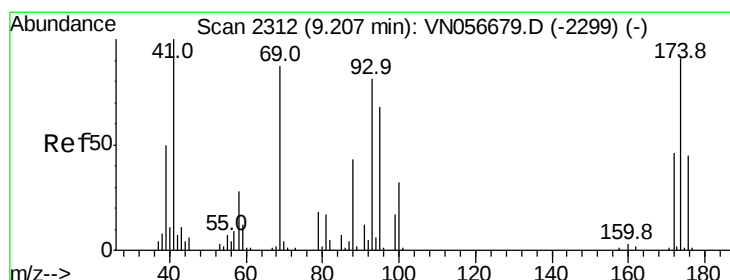
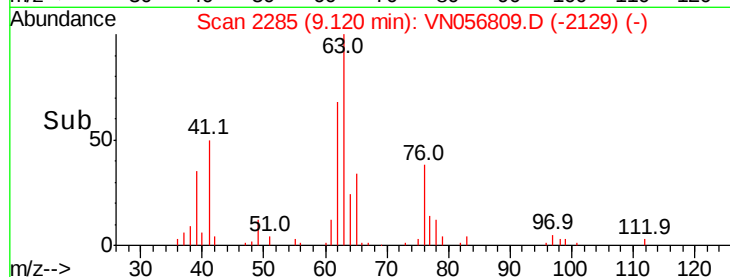
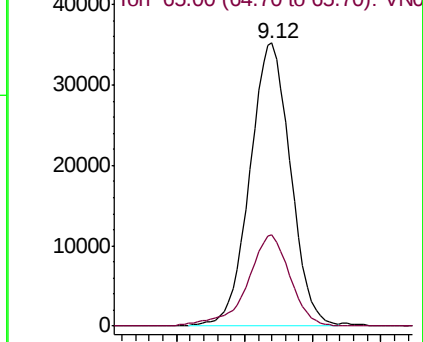
APPROVED

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7/19/2019 11:31:39 PM



Abundance Ion 63.00 (62.70 to 63.70): VN056809.D (-2129) (-)



#40

Dibromomethane

Concen: 20.663 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

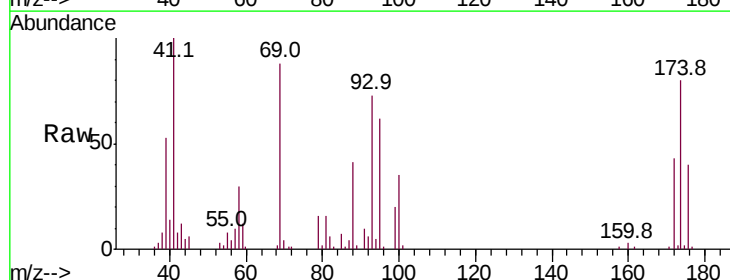
Tgt Ion: 93 Resp: 46193

Ion Ratio Lower Upper

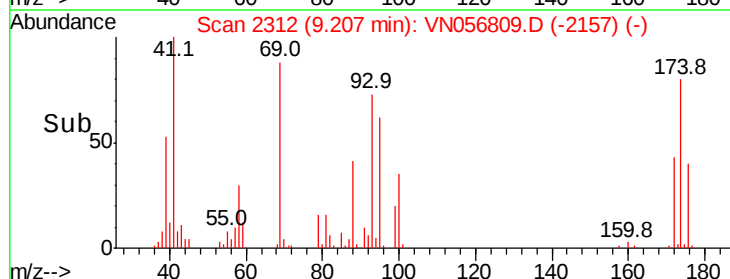
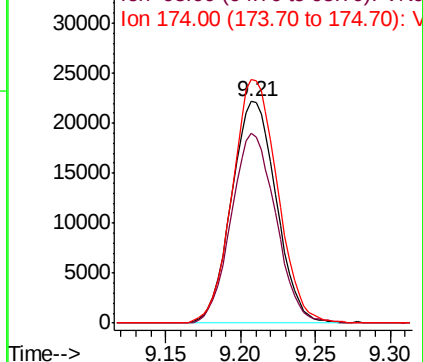
93 100

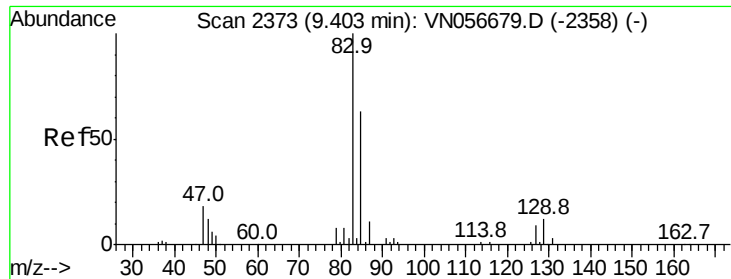
95 85.1 0.0 167.0

174 110.8 0.0 224.2



Abundance Ion 93.00 (92.70 to 93.70): VN056809.D (-2157) (-)





#41

Bromodichloromethane

Concen: 20.399 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

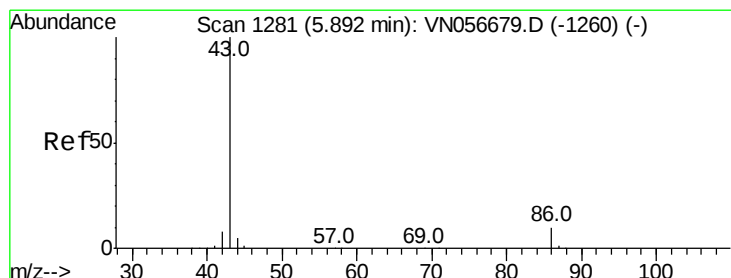
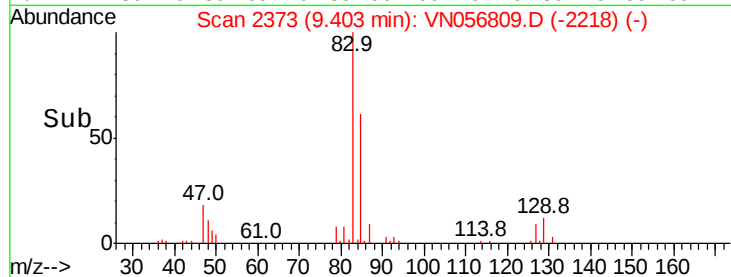
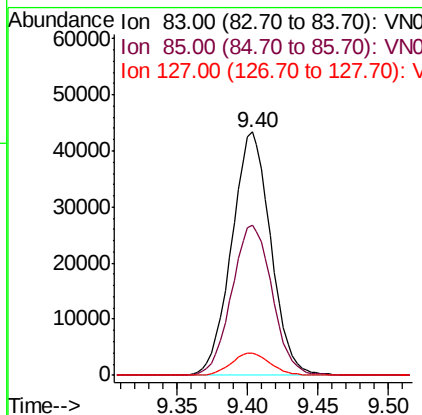
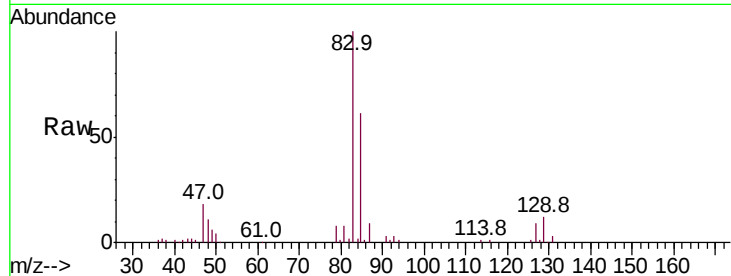
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	84045
Ion Ratio	Lower	Upper	
83	100		
85	61.5	50.1	75.1
127	9.0	7.0	10.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 102.904 ug/l

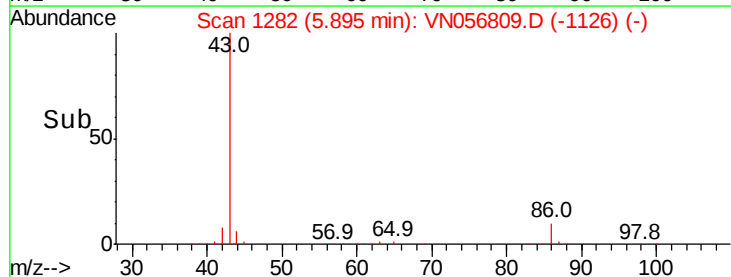
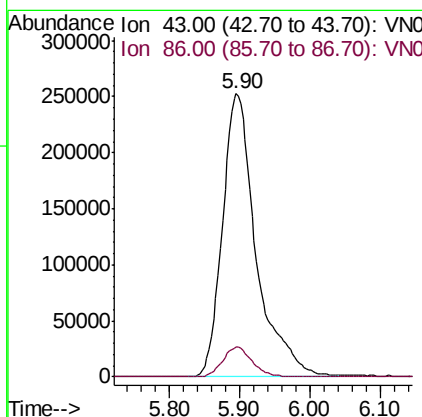
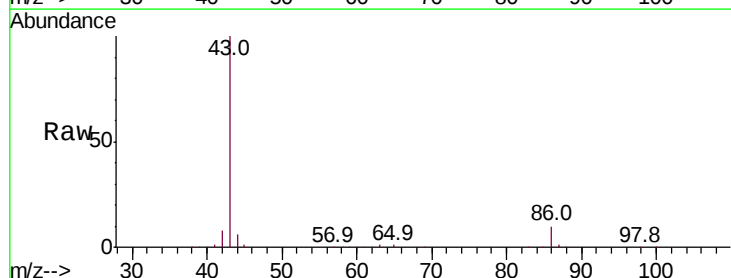
RT: 5.90 min Scan# 1282

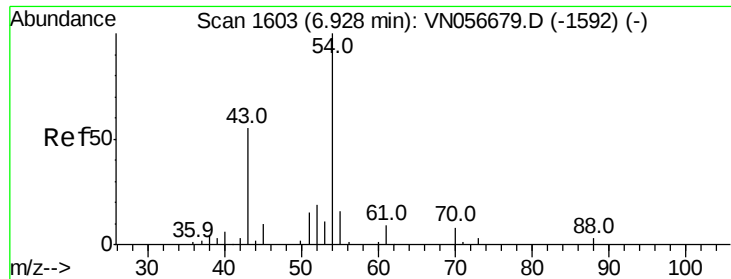
Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Tgt Ion:	43	Resp:	843862
Ion Ratio	Lower	Upper	
43	100		
86	9.2	7.4	11.2





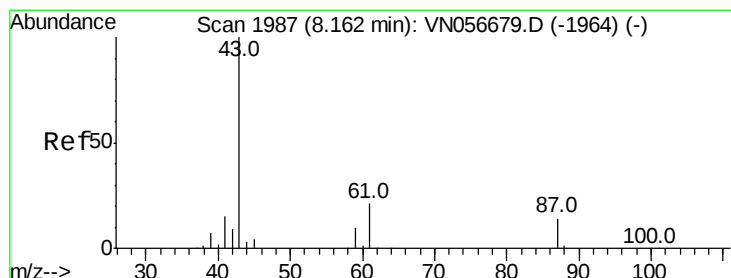
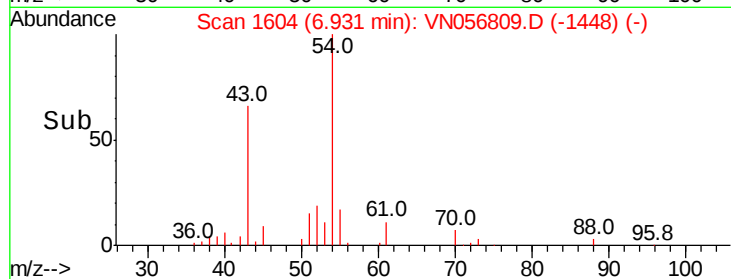
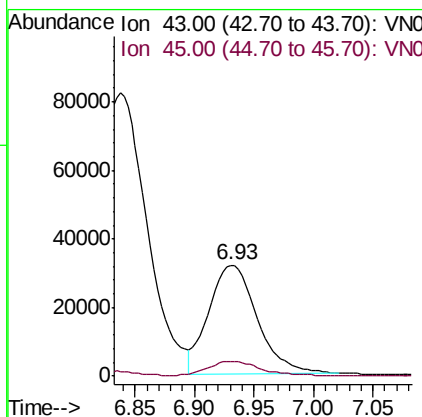
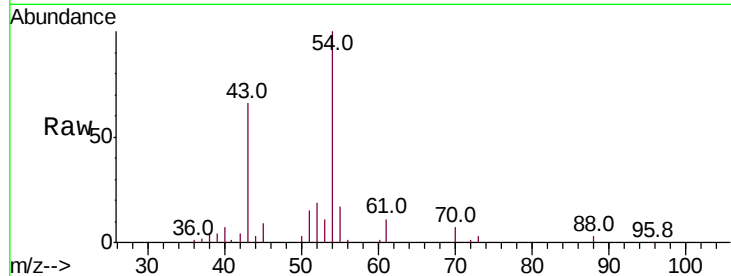
#43
Ethyl Acetate
Concen: 20.168 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 89801
Ion Ratio Lower Upper
43 100
45 12.4 11.2 16.8

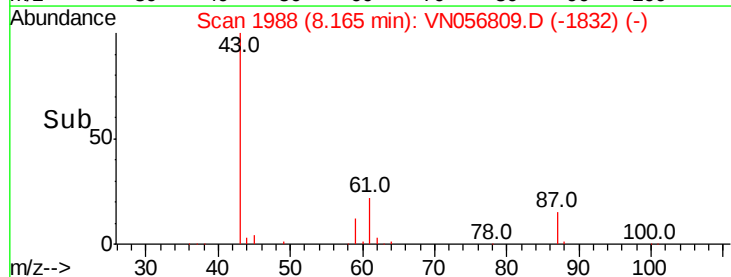
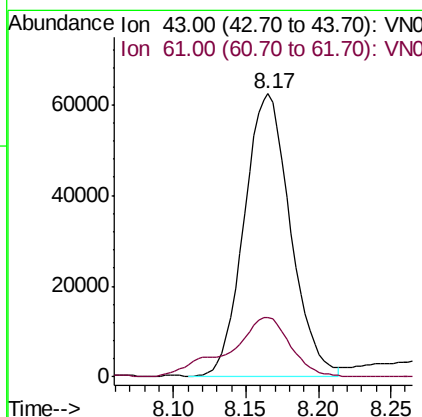
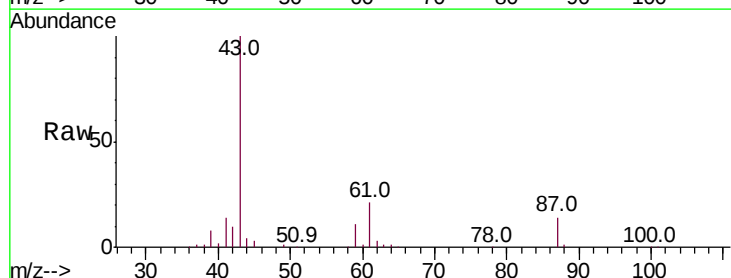
Manual Integrations
APPROVED

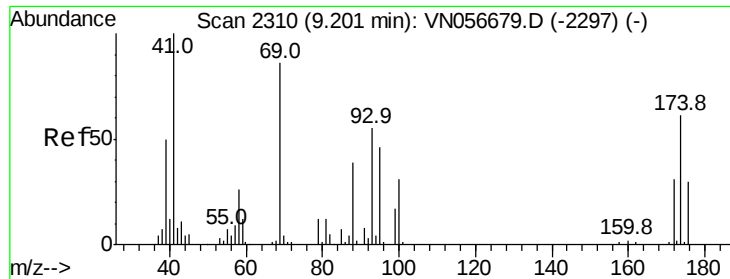
MMDadoda
7/19/2019 11:31:39 PM



#44
Isopropyl Acetate
Concen: 19.801 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion: 43 Resp: 137509
Ion Ratio Lower Upper
43 100
61 21.3 22.6 33.8#





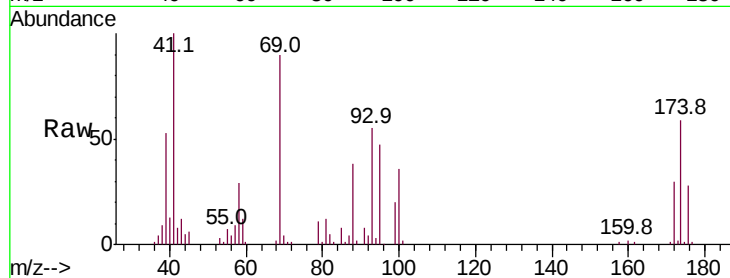
#45
 1,4-Dioxane
 Concen: 427.481 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	88	Resp	30034
Ion	Ratio	Lower	Upper
88	100		
43	27.2	23.0	34.6
58	72.5	54.6	81.8

Manual Integrations
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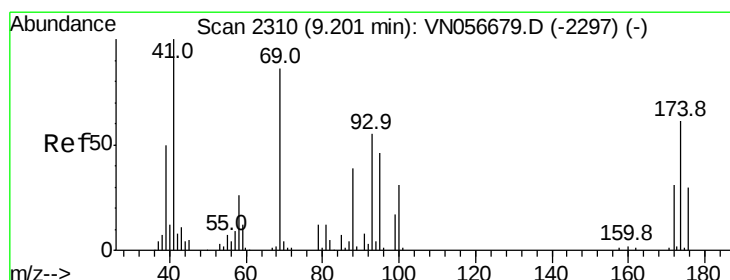
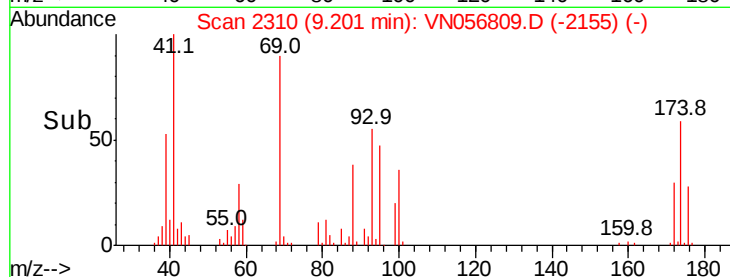
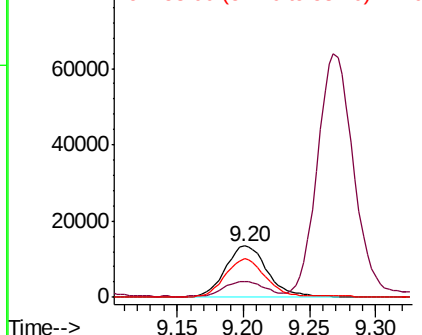


Abundance

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: 19.805 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

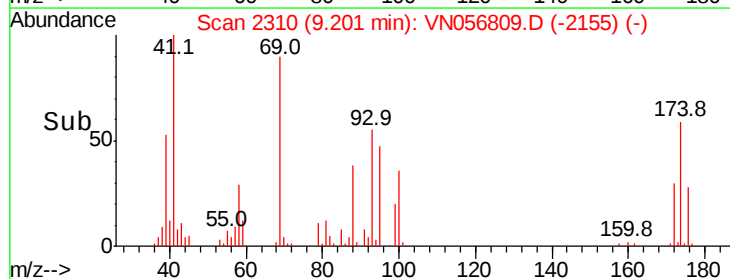
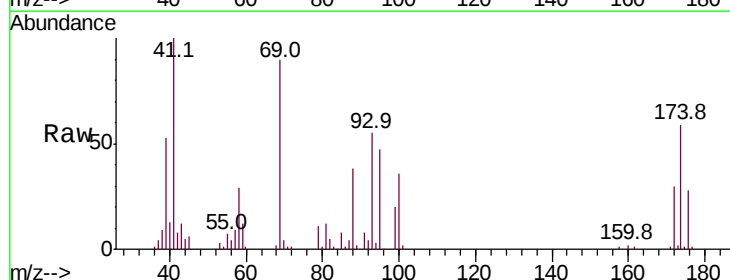
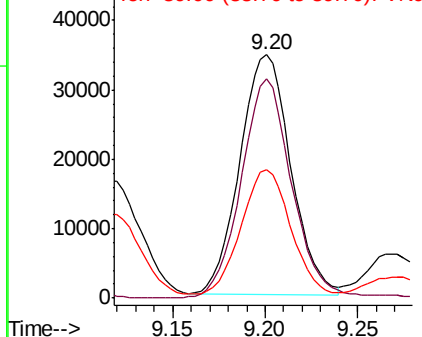
Tgt Ion	41	Resp	66077
Ion	Ratio	Lower	Upper
41	100		
69	91.3	43.0	129.0
39	52.5	25.1	75.4

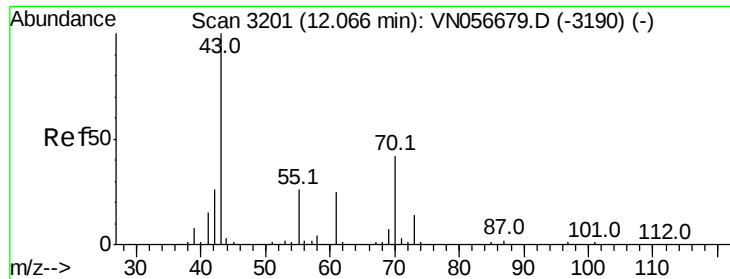
Abundance

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





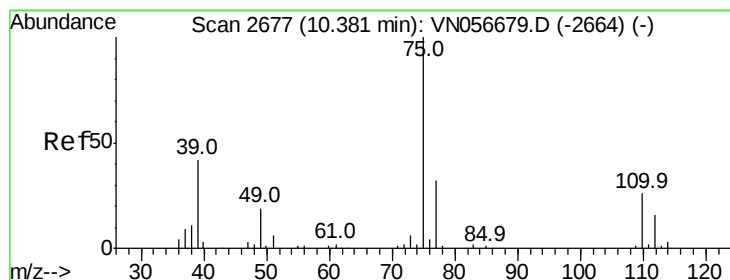
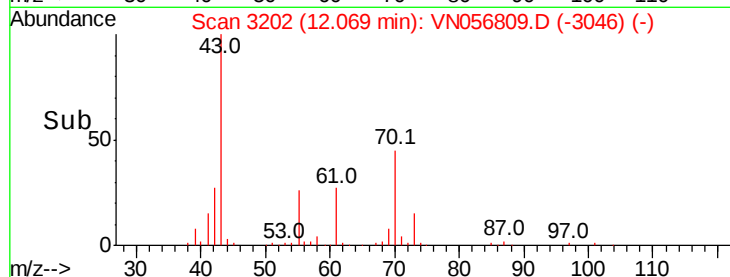
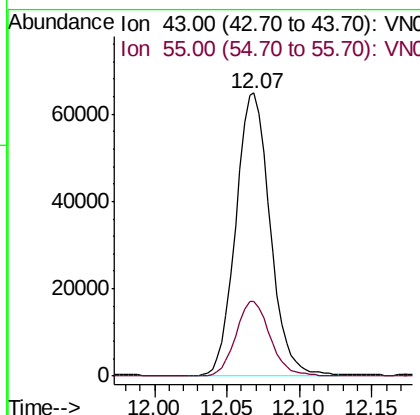
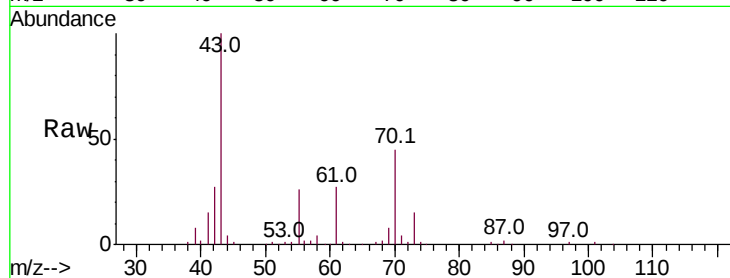
#47
n-amvl Acetate
Concen: 18.837 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 106987
Ion Ratio Lower Upper
43 100
55 26.3 20.7 31.1

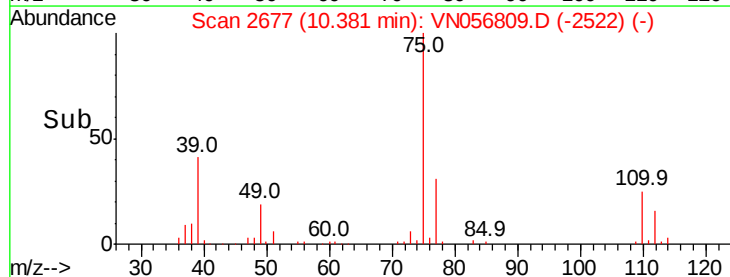
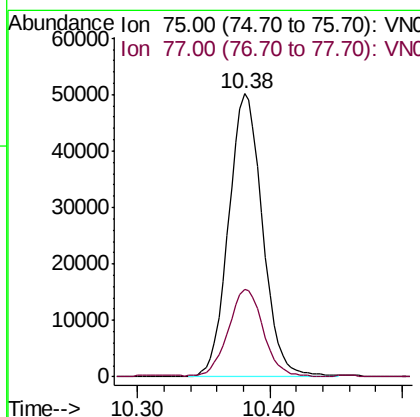
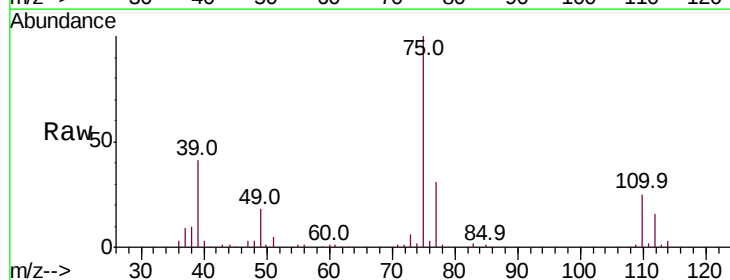
Manual Integrations
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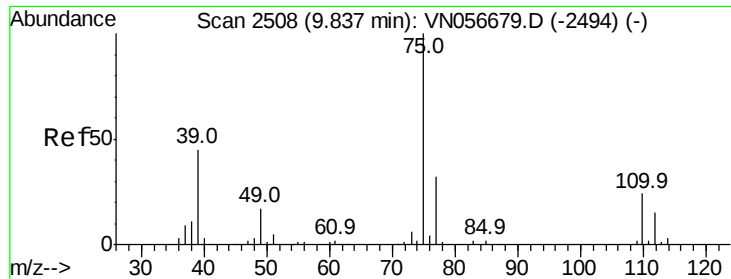
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 19.684 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion: 75 Resp: 89207
Ion Ratio Lower Upper
75 100
77 30.4 25.7 38.5





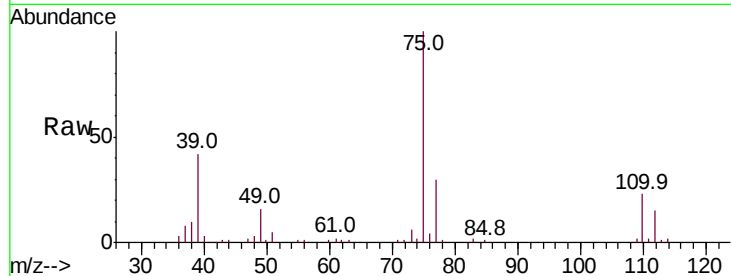
#49
 cis-1,3-Dichloropropene
 Concen: 20.320 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	30.5	26.0	39.0	
39	41.7	36.2	54.4	

Manual Integrations
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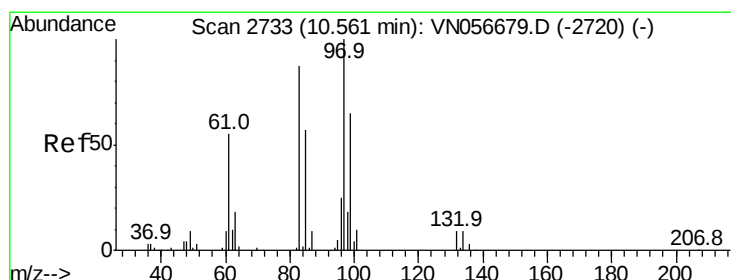
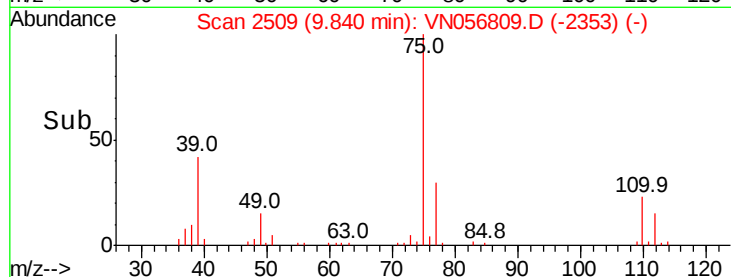
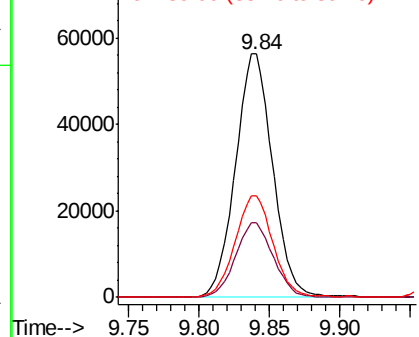


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50
 1,1,2-Trichloroethane
 Concen: 21.127 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	86.2	69.2	103.8	
85	57.1	45.3	67.9	
99	63.2	51.6	77.4	

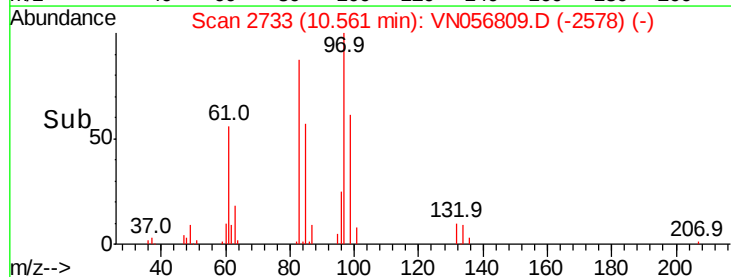
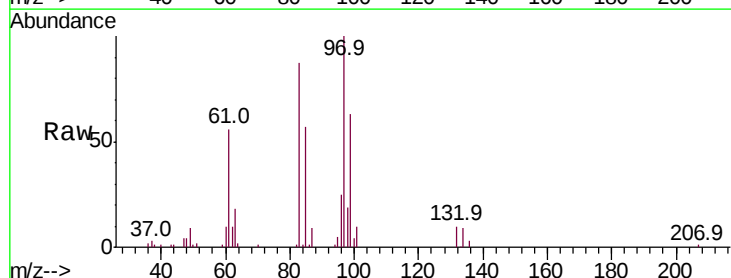
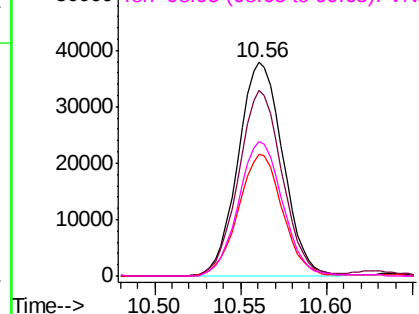
Abundance

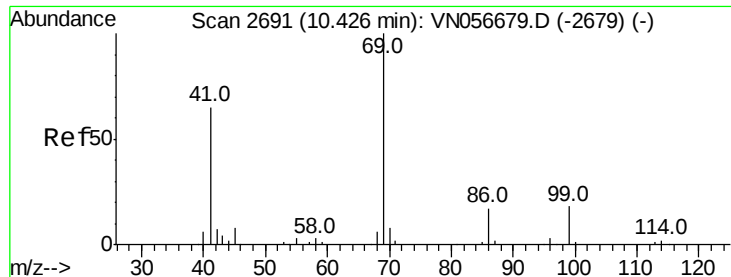
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.899 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

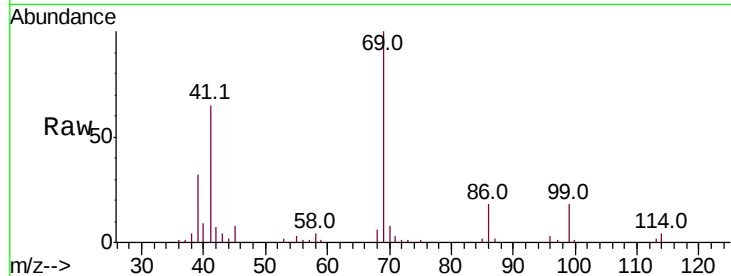
ClientSampled :

VSTDCCC020EC

Tot Ion:	69	Resp:	99687
Ion Ratio	Lower	Upper	
69	100		
41	64.2	32.8	98.3
39	31.2	15.4	46.2

Manual Integrations
APPROVED

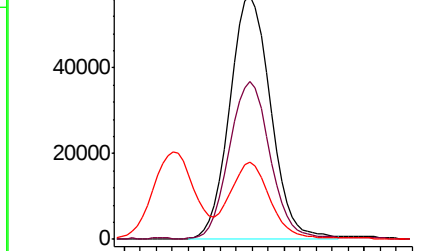
MMDadoda
7/19/2019 11:31:39 PM



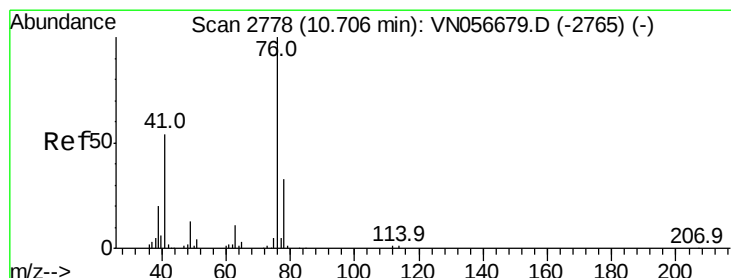
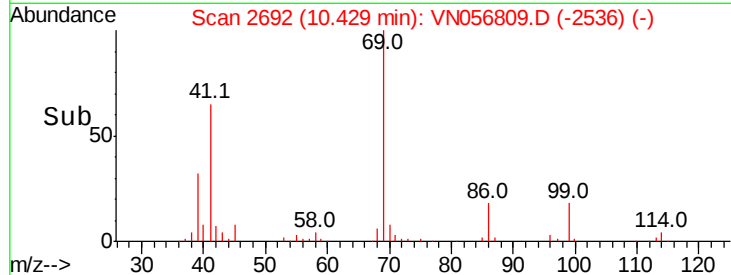
Abundance Ion 69.00 (68.70 to 69.70): VN056679.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN056679.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN056679.D (-2679) (-)



Time-->



#52

1,3-Dichloropropane

Concen: 21.097 ug/l

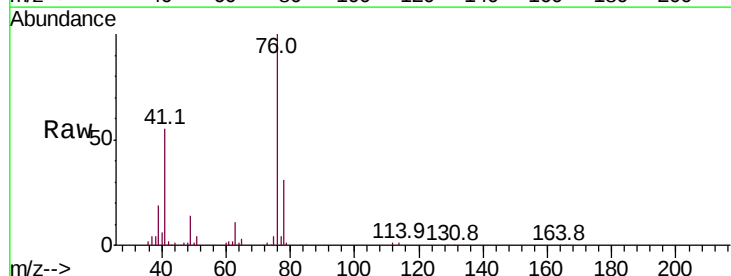
RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056809.D

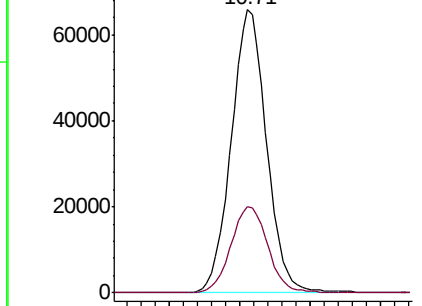
Acq: 18 Jul 2019 12:52

Tgt Ion:	76	Resp:	114970
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	63.6

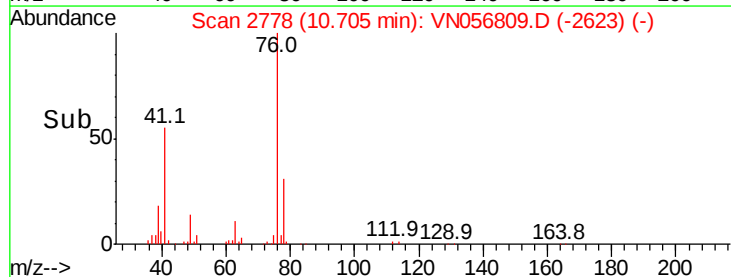


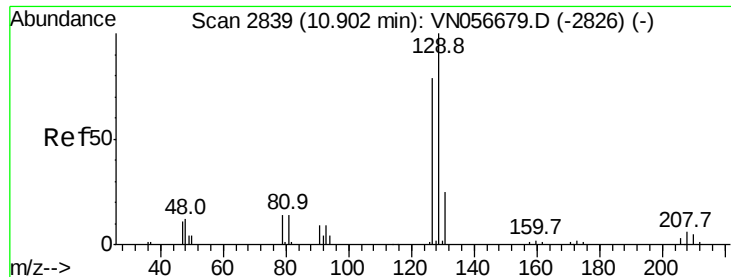
Abundance Ion 76.00 (75.70 to 76.70): VN056679.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN056679.D (-2765) (-)



Time-->





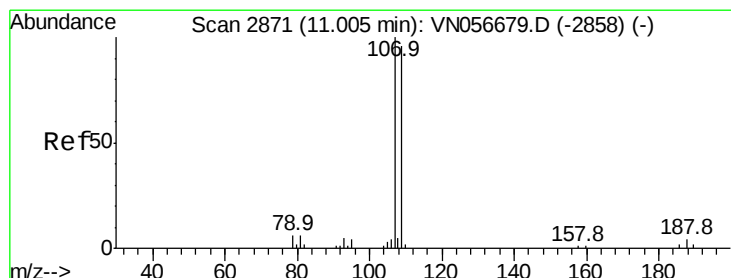
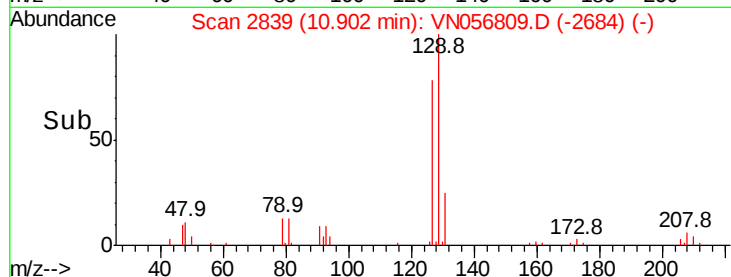
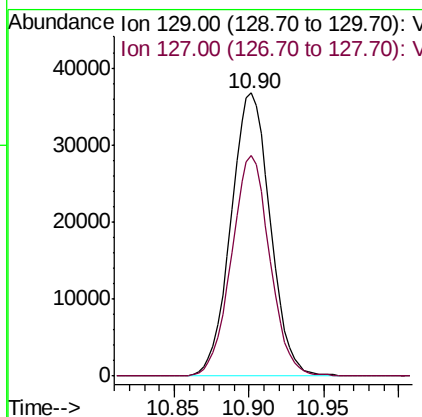
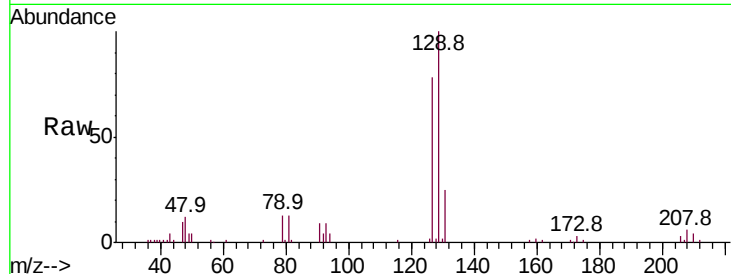
#53
Dibromochloromethane
Concen: 20.383 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 67094
Ion Ratio Lower Upper
129 100
127 76.1 38.7 116.1

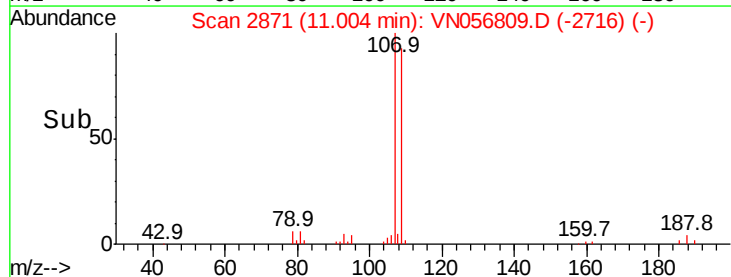
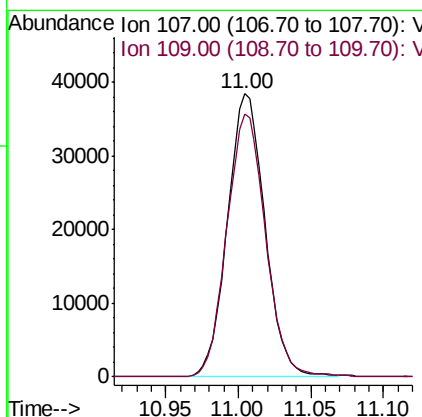
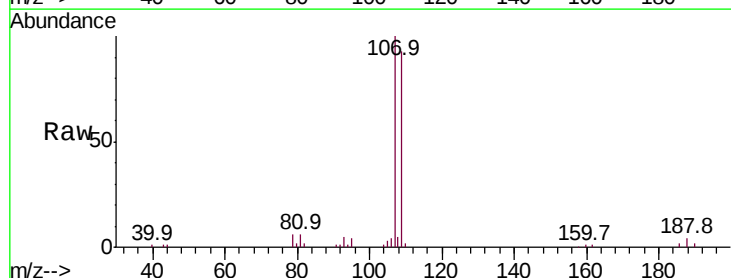
Manual Integrations
APPROVED

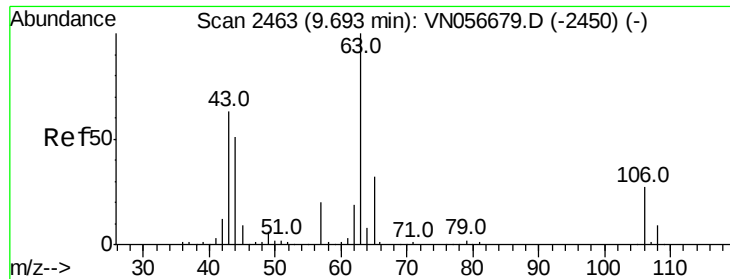
MMDadoda
7/19/2019 11:31:39 PM



#54
1,2-Dibromoethane
Concen: 20.447 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion:107 Resp: 69212
Ion Ratio Lower Upper
107 100
109 95.3 77.9 116.9





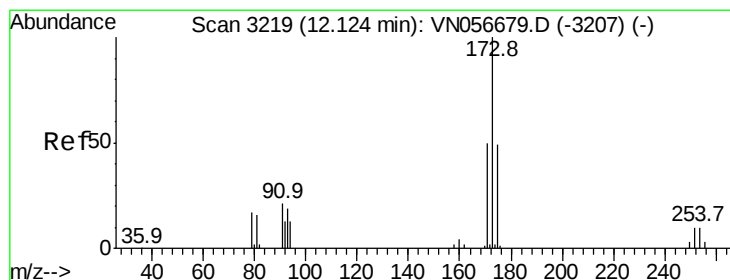
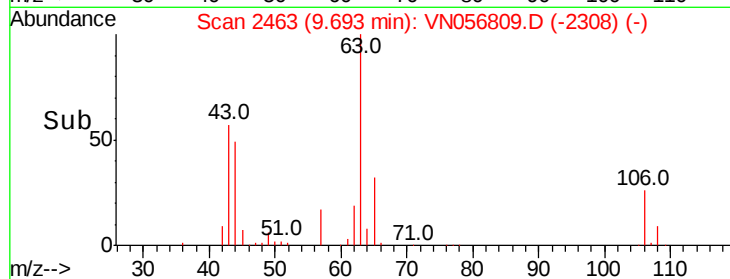
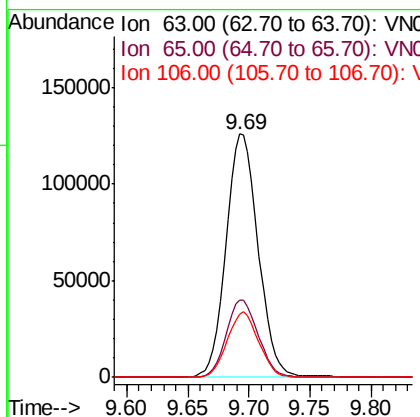
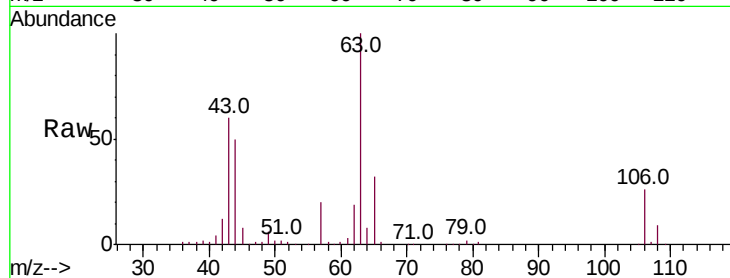
#55
2-Chloroethyl vinyl ether
Concen: 95.581 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.2	37.8
106	26.5	21.6	32.4

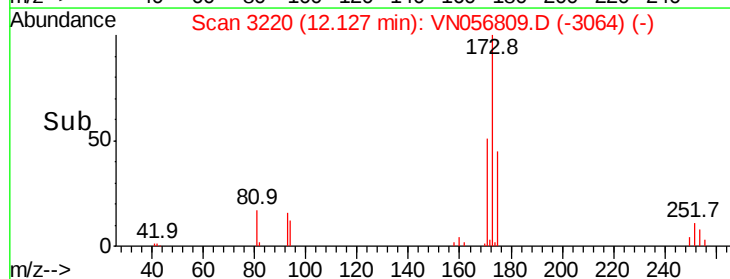
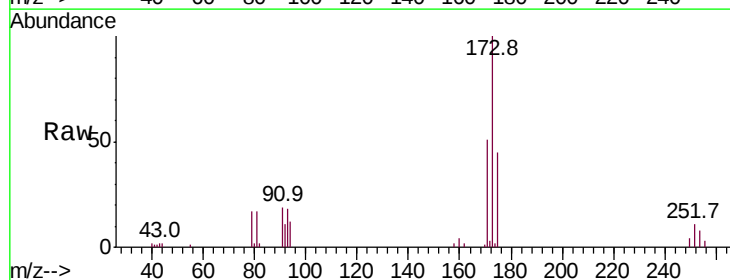
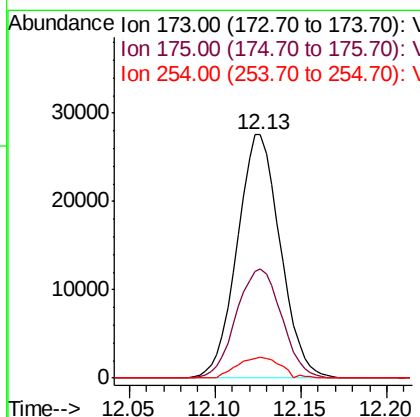
Manual Integrations
APPROVED

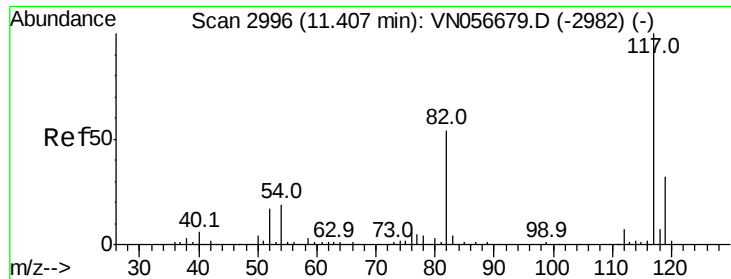
MMDadoda
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#56
Bromoform
Concen: 19.728 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.2	39.7	59.5
254	8.4	7.8	11.8





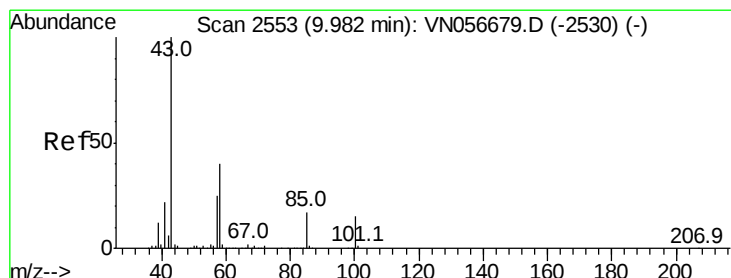
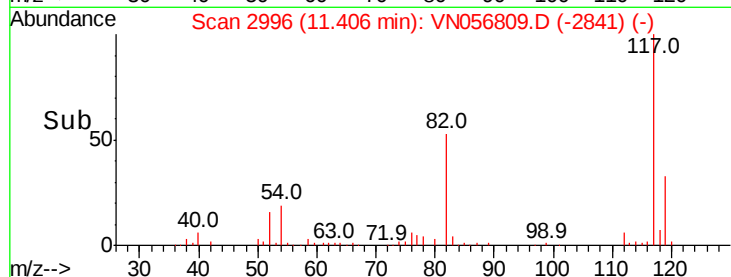
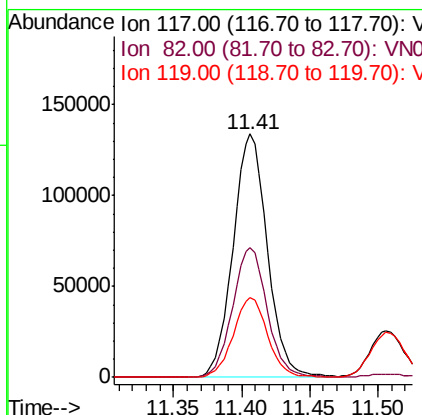
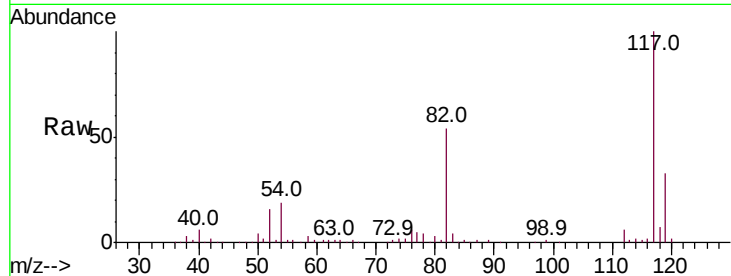
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.0	64.4
119	32.8	26.0	39.0

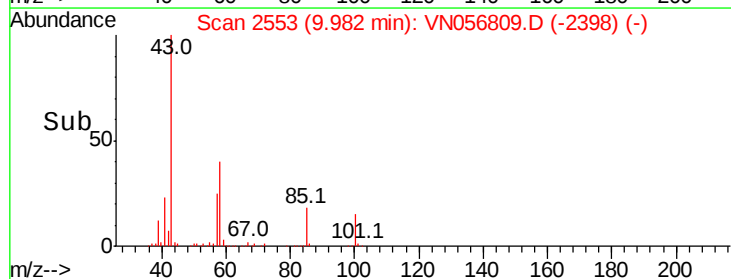
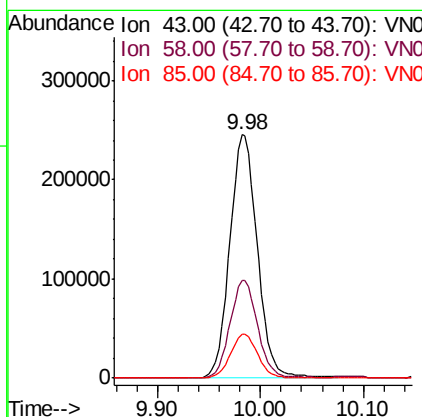
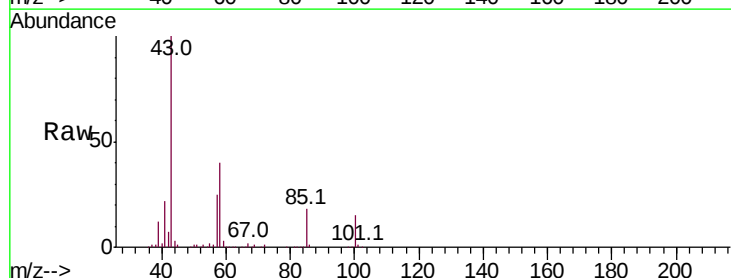
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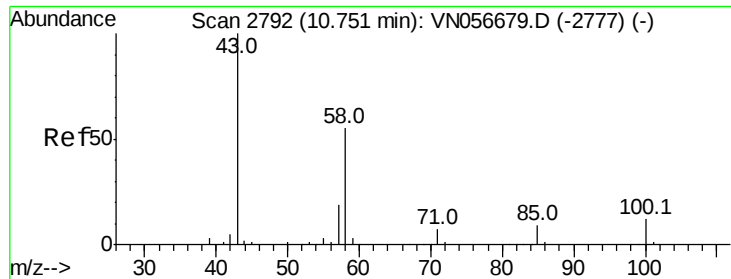
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 103.757 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.9	47.9
85	17.9	14.2	21.4





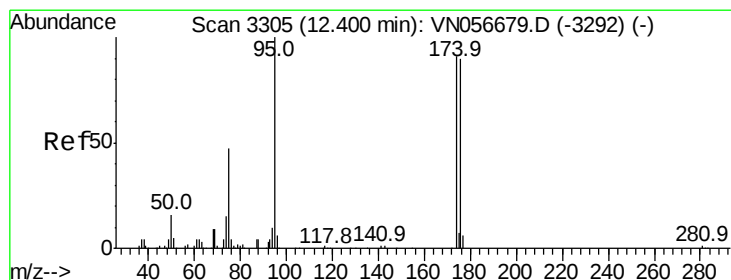
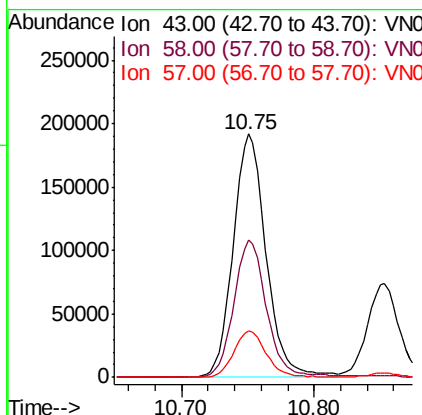
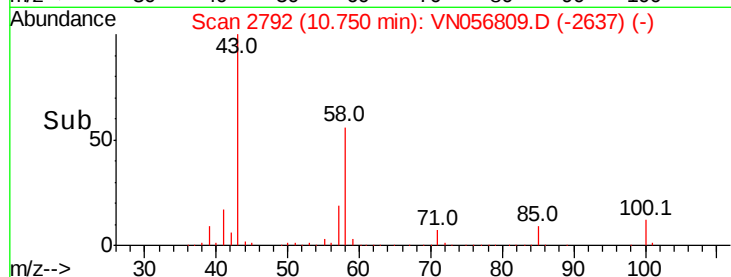
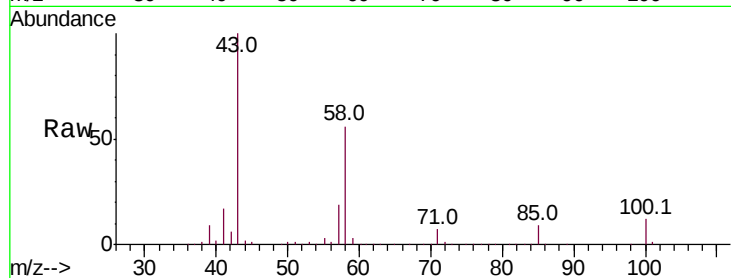
#59
2-Hexanone
Concen: 98.860 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.4	44.4	66.6
57	18.8	15.2	22.8

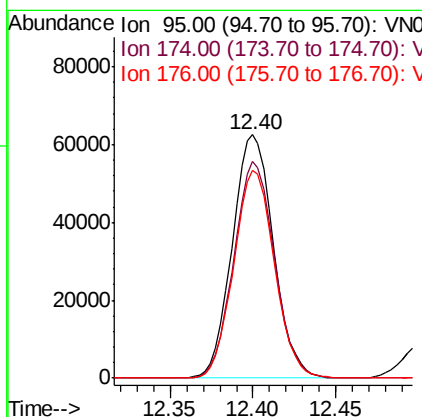
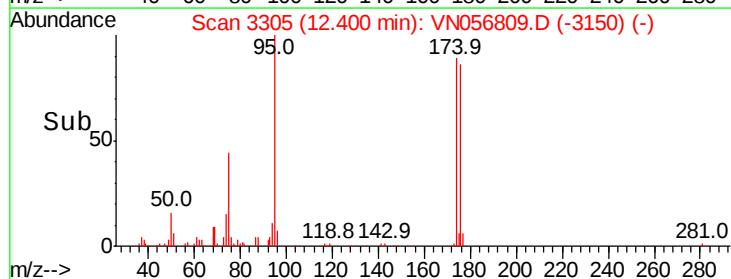
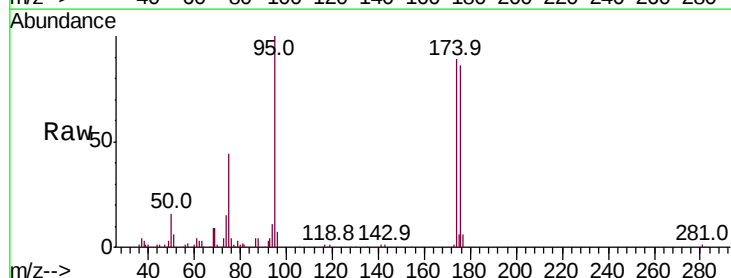
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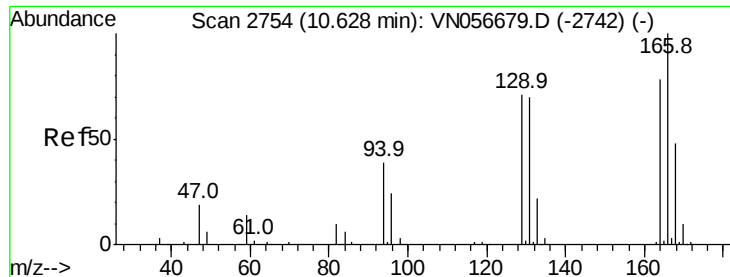
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.102 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	72.6	108.8
176	84.6	71.0	106.6





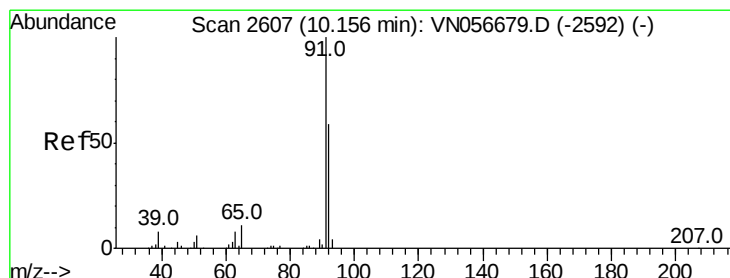
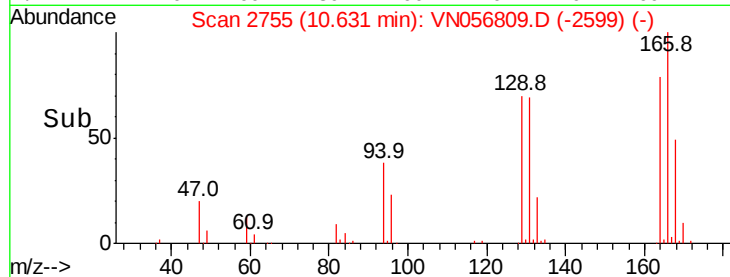
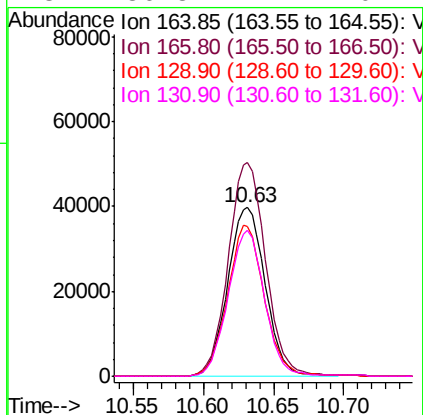
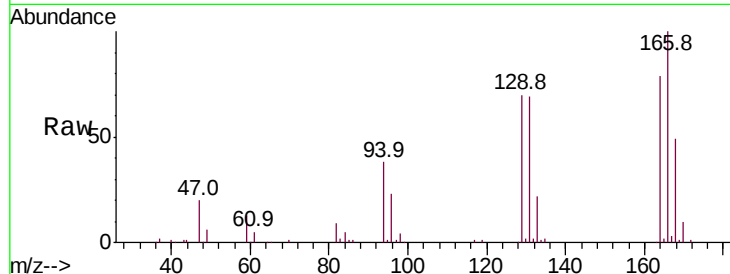
#61
Tetrachloroethene
Concen: 22.034 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.3	153.5
129	88.9	72.6	108.8
131	86.8	71.4	107.2

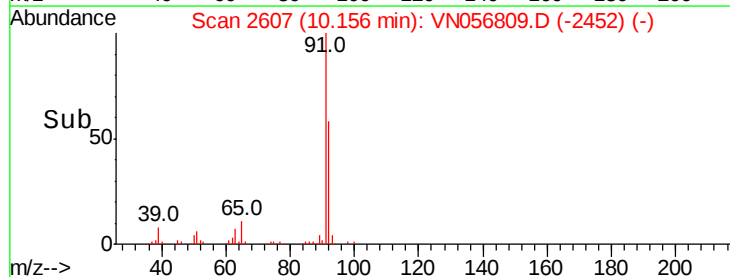
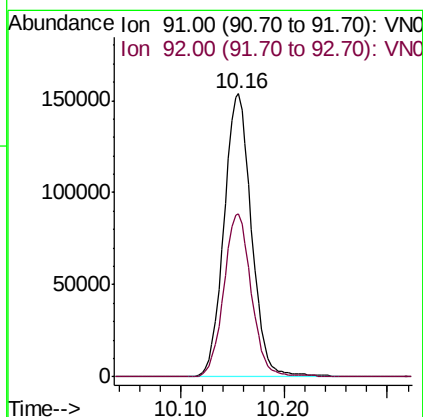
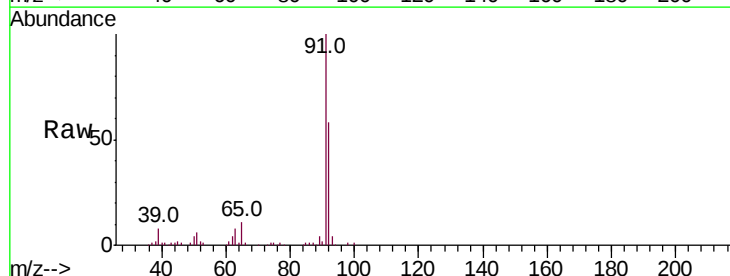
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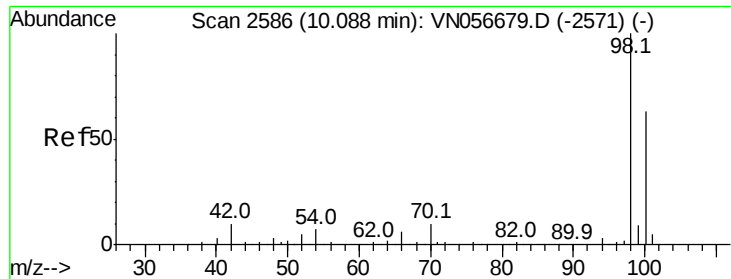
MMDadoda
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#62
Toluene
Concen: 20.825 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.8	46.7	70.1





#63

Toluene-d8

Concen: 30.367 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 324174

Ion Ratio Lower Upper

98 100

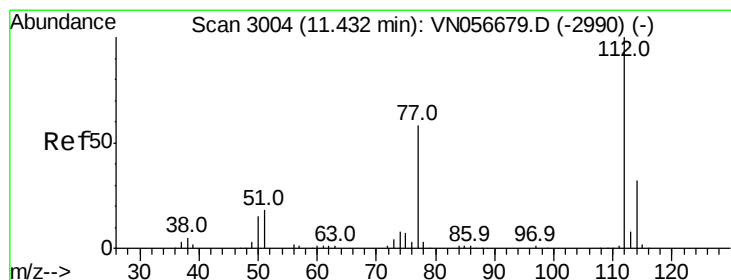
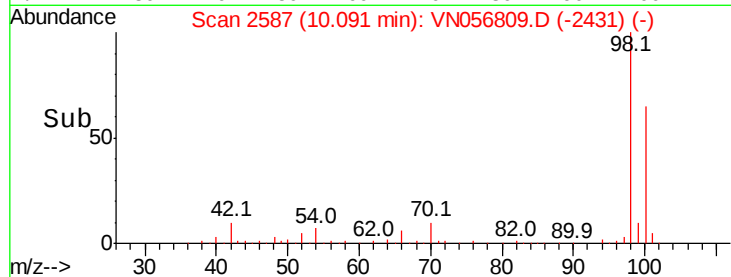
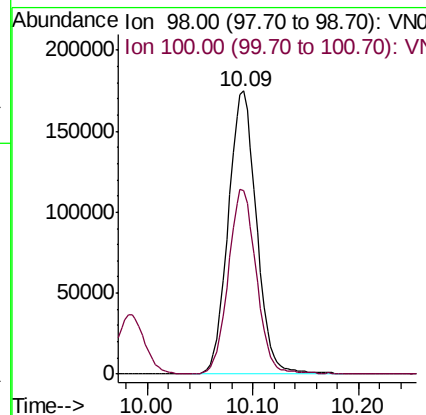
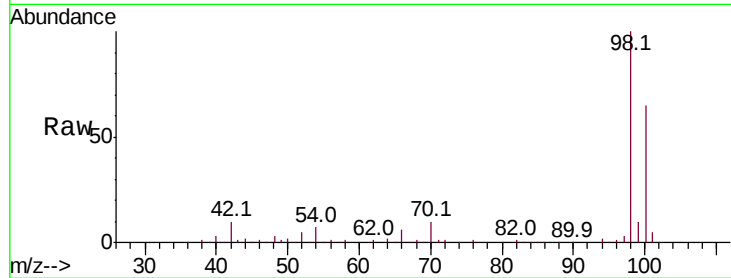
100 64.0 51.1 76.7

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#64

Chlorobenzene

Concen: 20.485 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056809.D

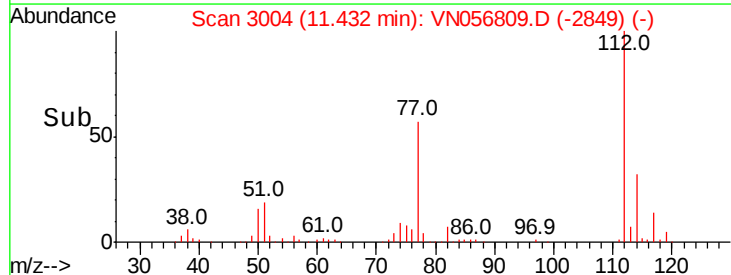
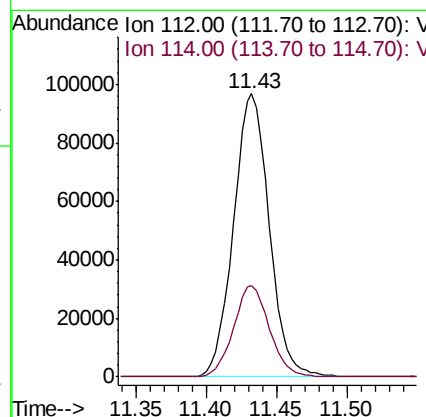
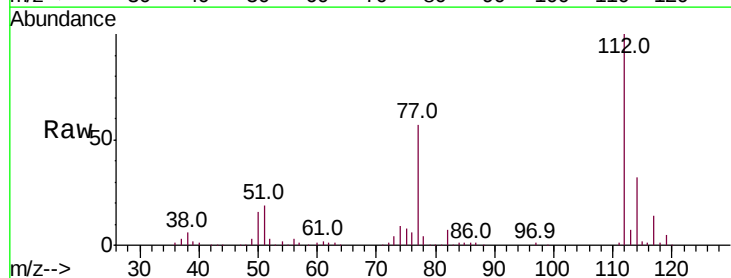
Acq: 18 Jul 2019 12:52

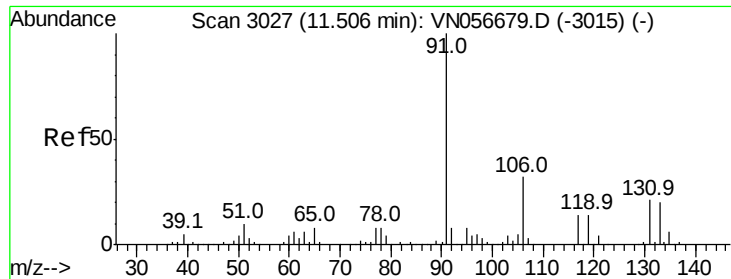
Tgt Ion: 112 Resp: 171450

Ion Ratio Lower Upper

112 100

114 32.2 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 21.288 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

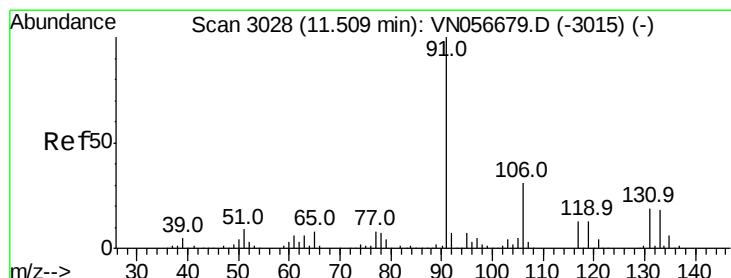
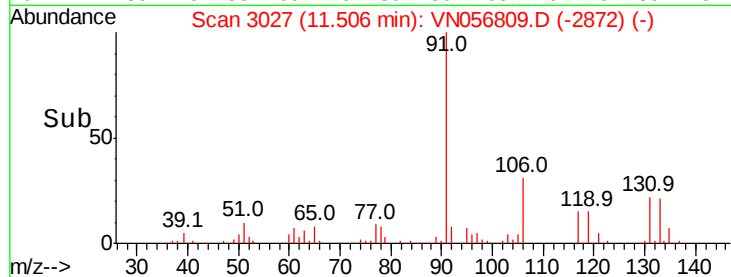
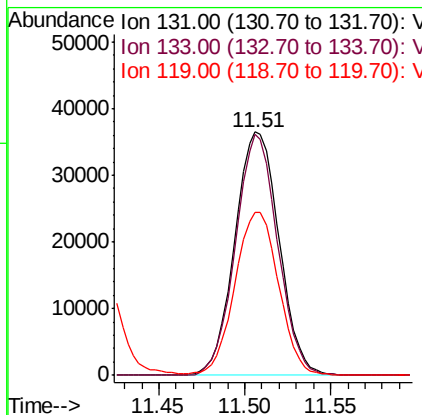
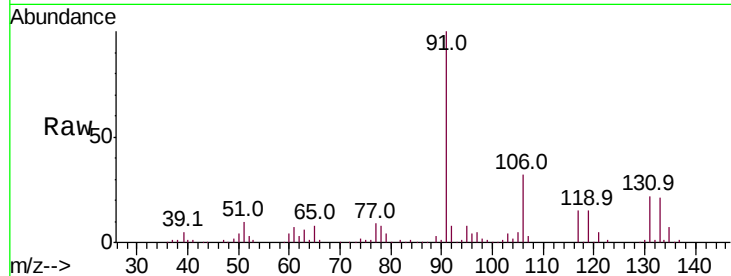
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	65323
Ion	Ratio	Lower	Upper
131	100		
133	94.3	0.0	191.4
119	66.3	0.0	133.4

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#66

Ethyl Benzene

Concen: 20.210 ug/l

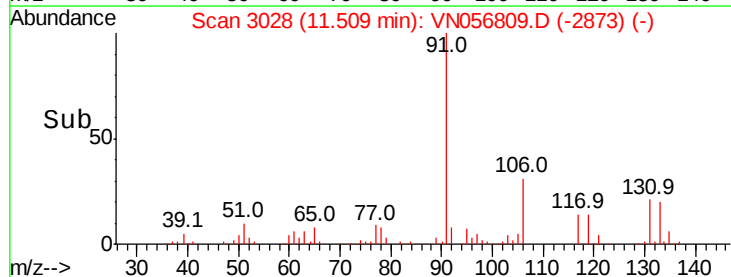
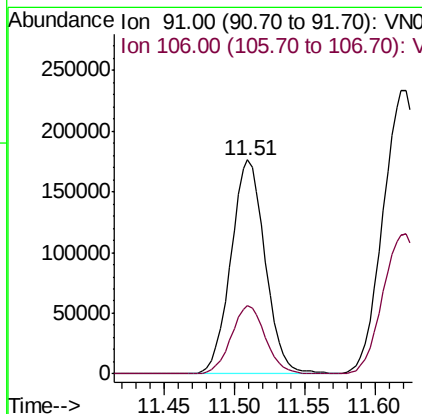
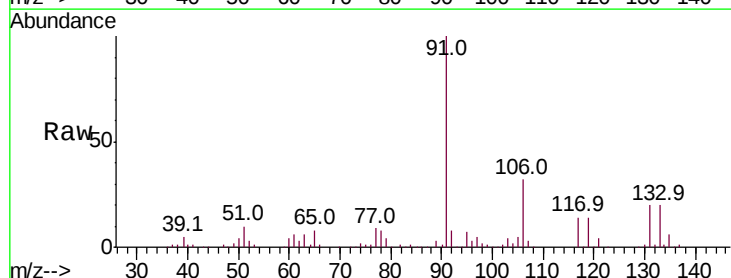
RT: 11.51 min Scan# 3028

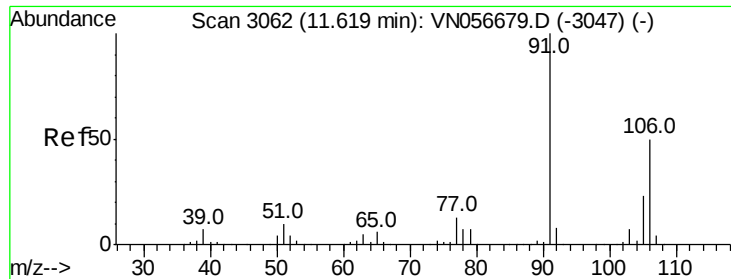
Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Tgt Ion:	91	Resp:	299783
Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.1	37.7





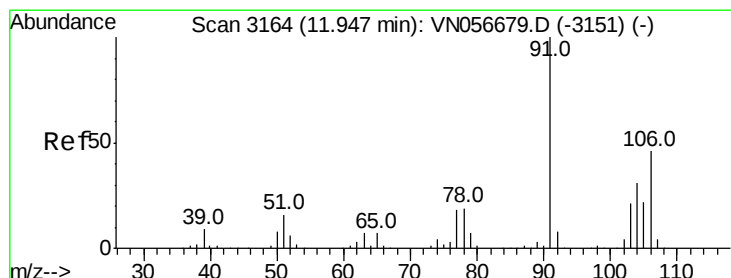
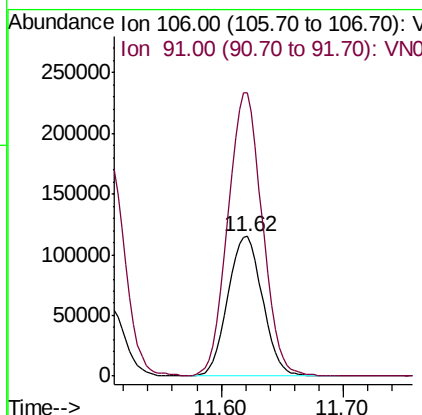
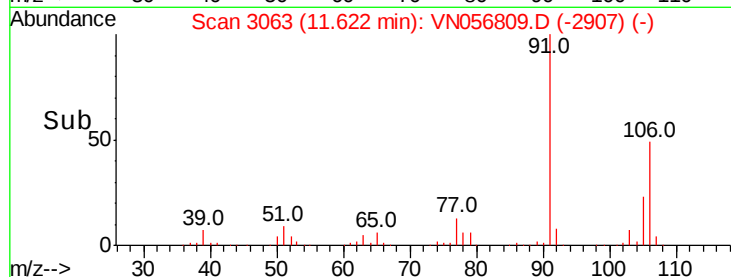
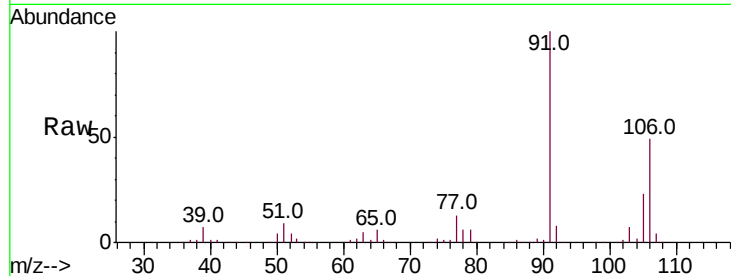
#67
m/p-Xylenes
Concen: 40.802 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion:106 Resp: 228406
Ion Ratio Lower Upper
106 100
91 200.3 161.8 242.8

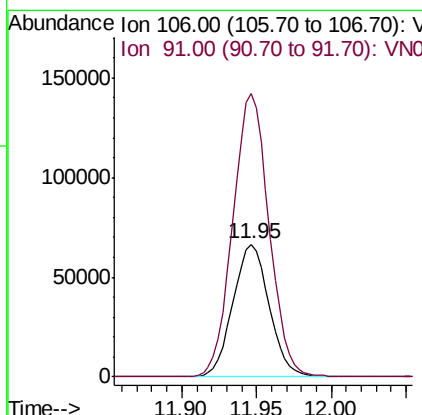
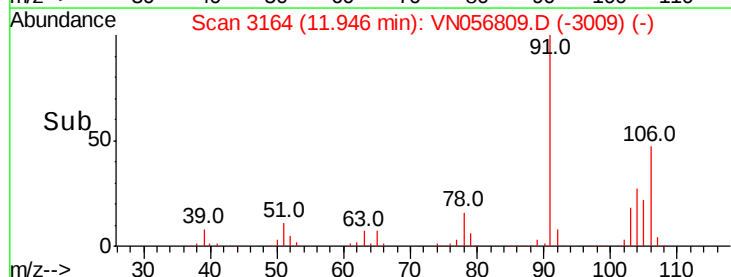
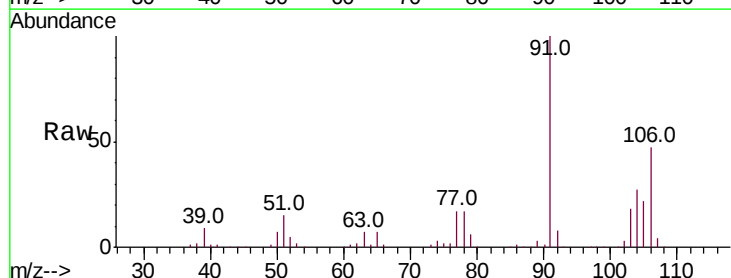
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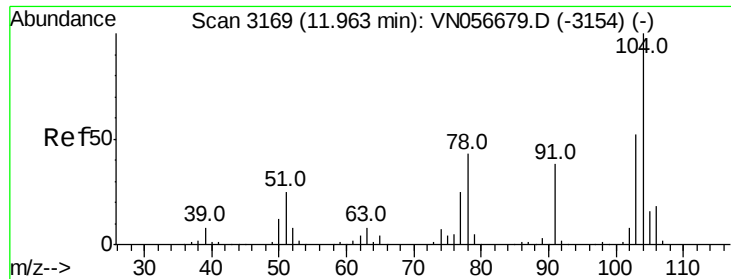
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#68
o-Xylene
Concen: 20.580 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion:106 Resp: 112369
Ion Ratio Lower Upper
106 100
91 212.9 108.1 324.2





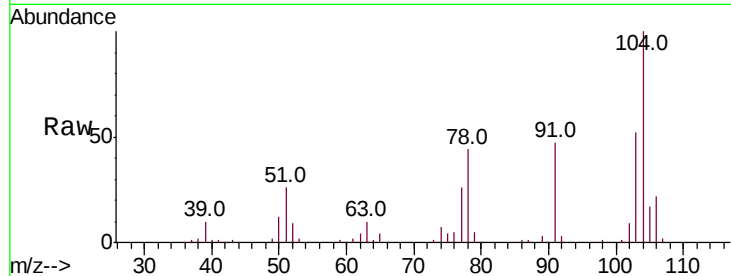
#69
Stvrene
Concen: 19.842 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

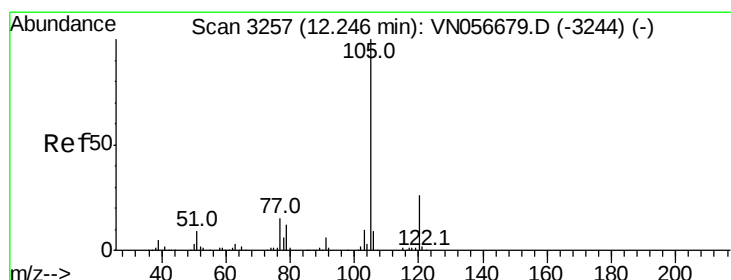
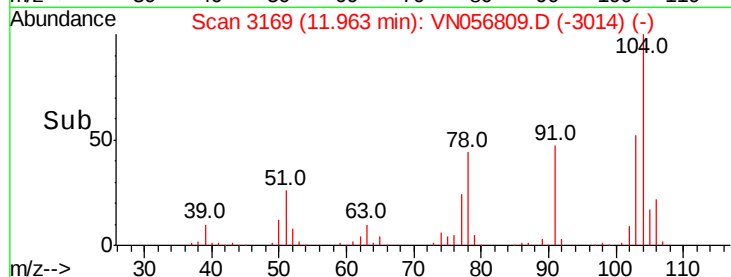
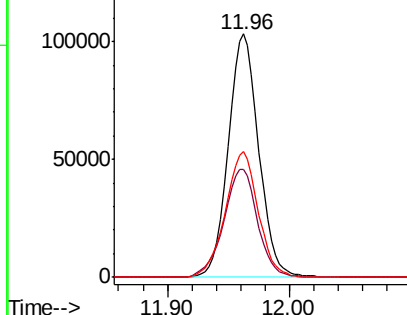
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	38.7	58.1
103	56.0	45.0	67.4

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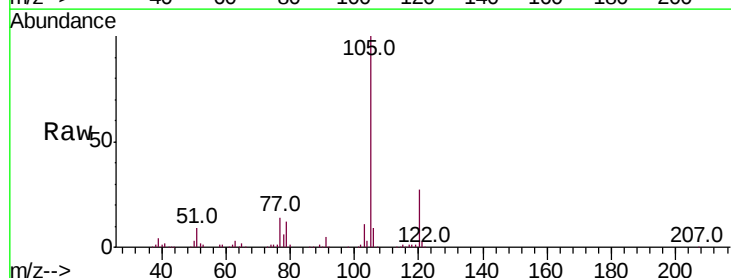


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

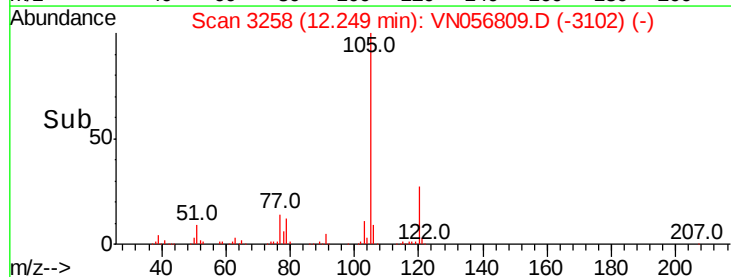
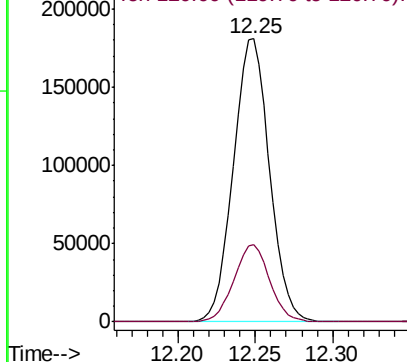


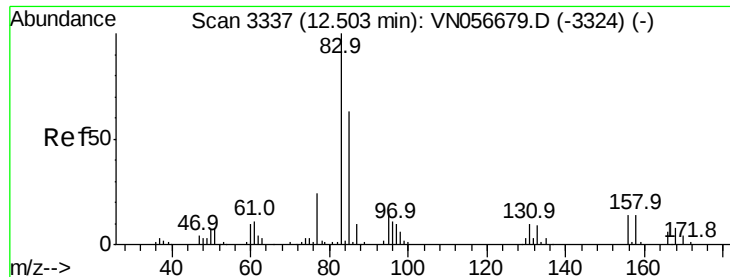
#70
Isopropylbenzene
Concen: 20.501 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.6	34.5



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





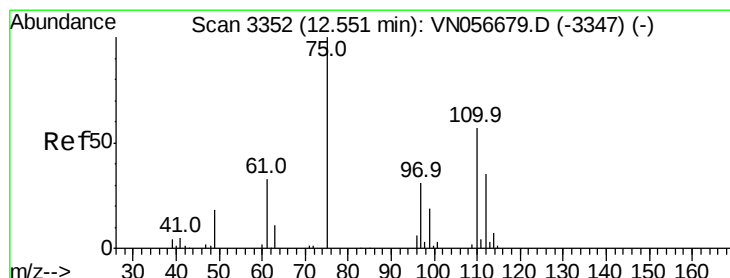
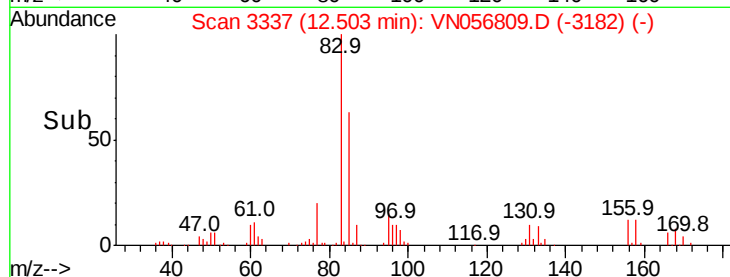
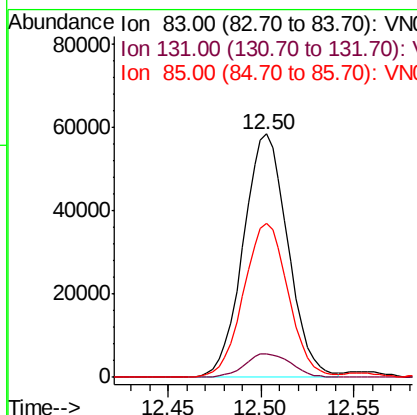
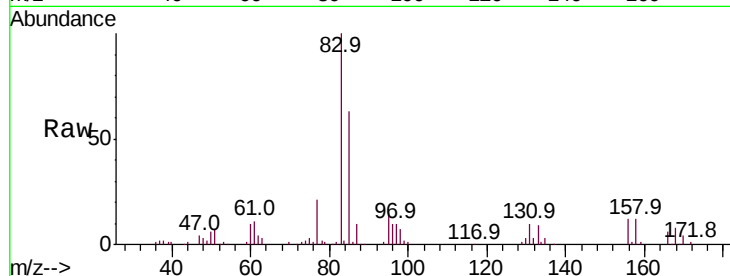
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.966 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	97393
Ion Ratio	100	Lower	Upper
131	10.1	5.1	15.3
85	63.4	31.9	95.7

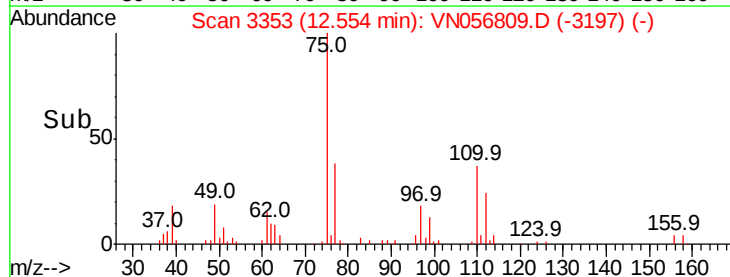
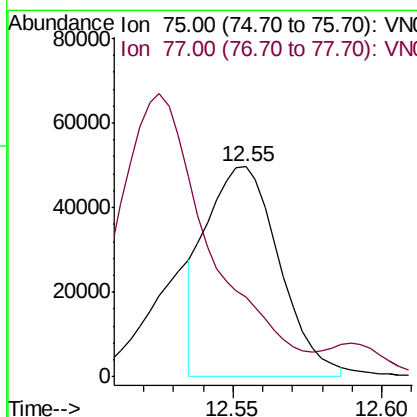
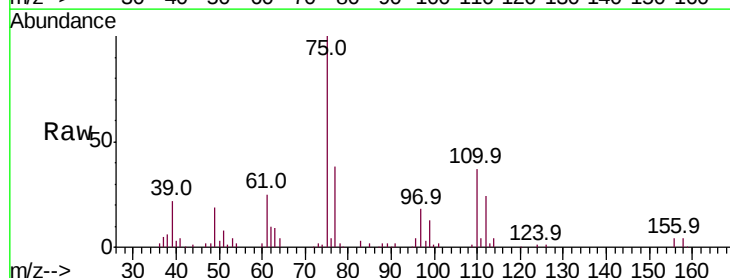
Manual Integrations
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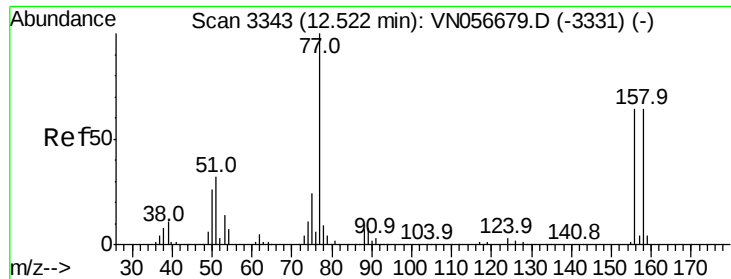
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 21.478 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion	75	Resp	85274
Ion Ratio	100	Lower	Upper
77	170.2	0.0	352.2





#73

Bromobenzene

Concen: 20.223 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:156 Resp: 75633

Ion Ratio Lower Upper

156 100

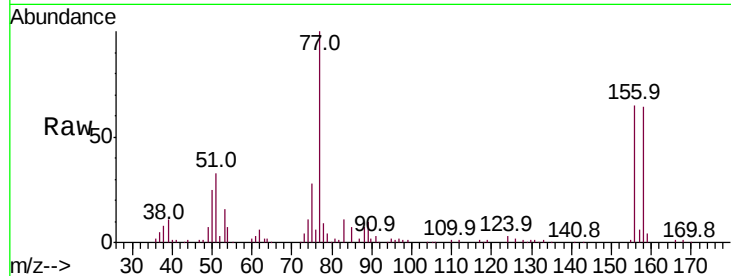
77 191.9 0.0 381.8

158 98.2 0.0 195.8

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MMDadoda

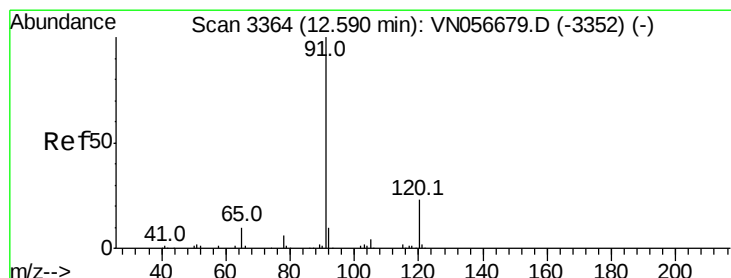
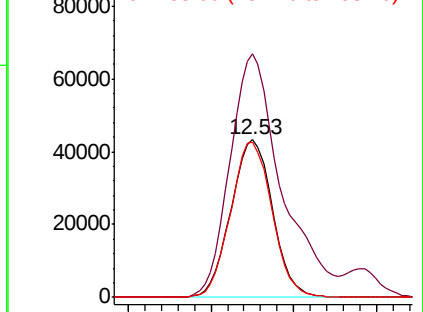
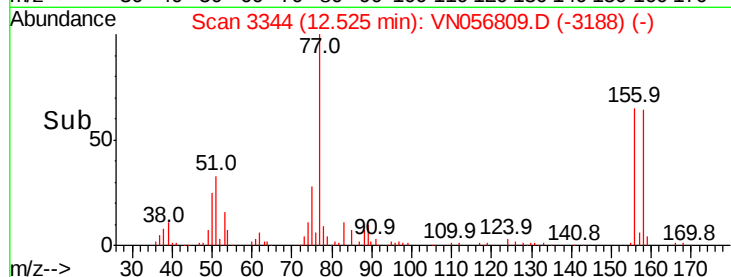
7/19/2019 11:31:39 PM



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: 19.881 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056809.D

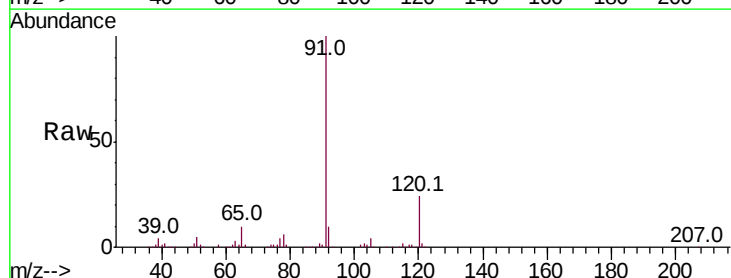
Acq: 18 Jul 2019 12:52

Tgt Ion: 91 Resp: 321009

Ion Ratio Lower Upper

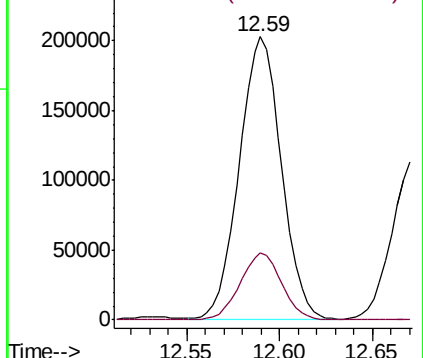
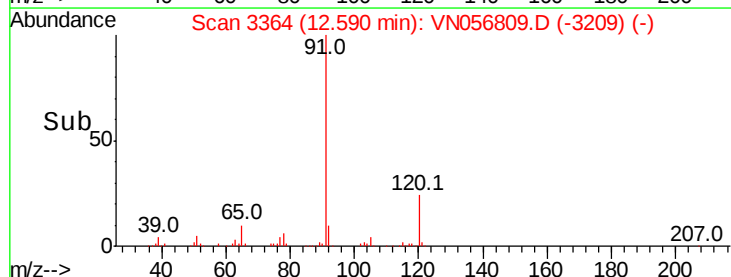
91 100

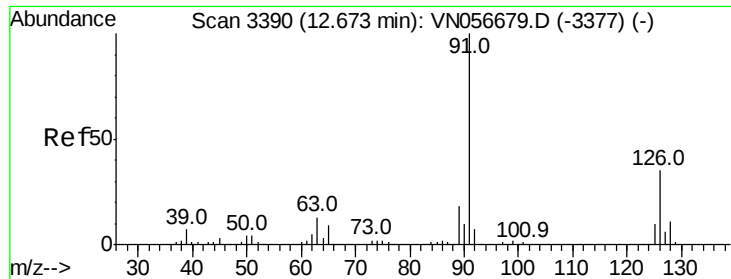
120 23.2 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.965 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 194153

Ion Ratio Lower Upper

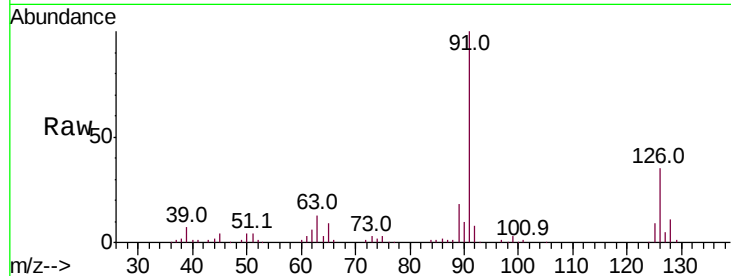
91 100

126 35.5 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) (-)

200000

150000

100000

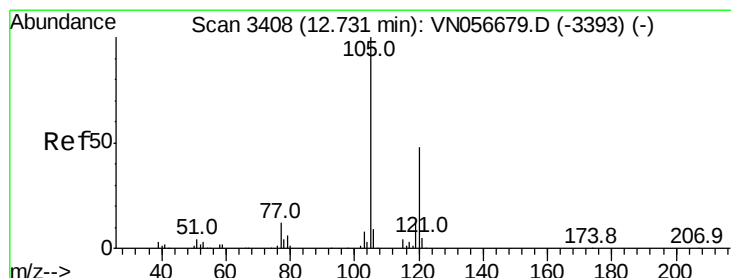
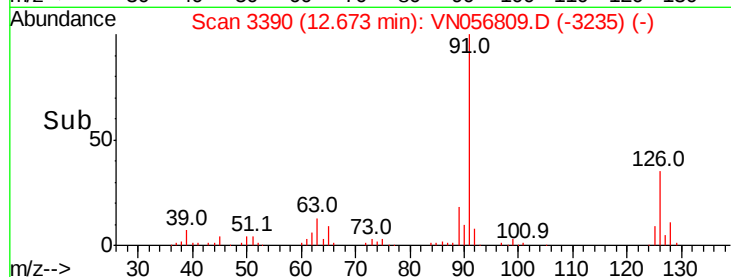
50000

0

12.60 12.65 12.70

12.67

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.388 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056809.D

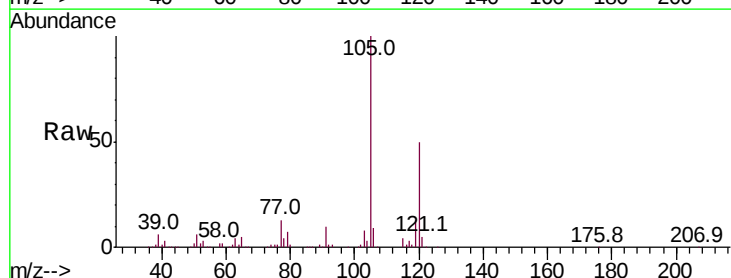
Acq: 18 Jul 2019 12:52

Tgt Ion:105 Resp: 248884

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) (-)

150000

100000

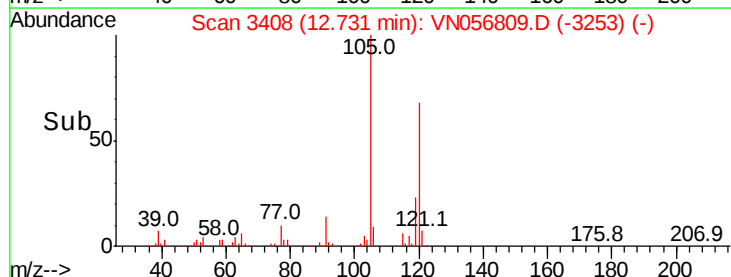
50000

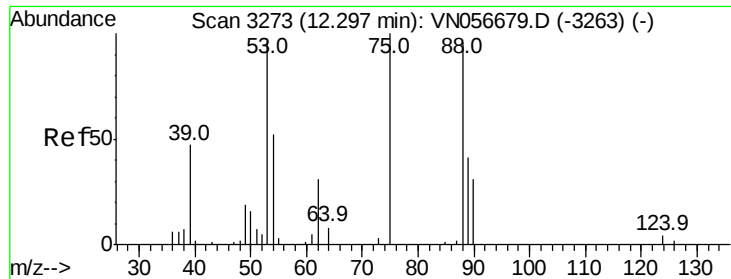
0

12.65 12.70 12.75 12.80

12.73

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.293 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

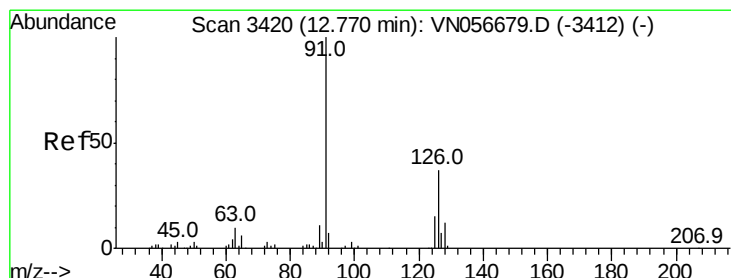
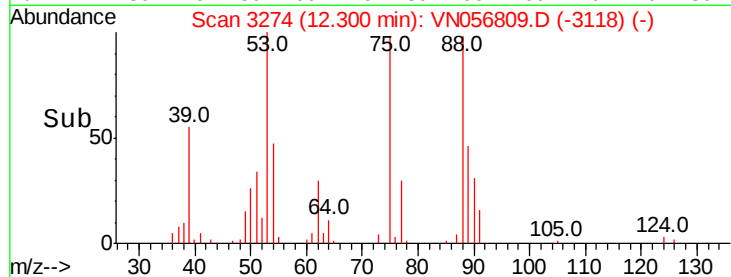
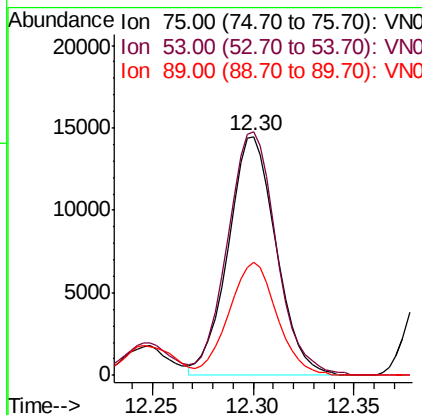
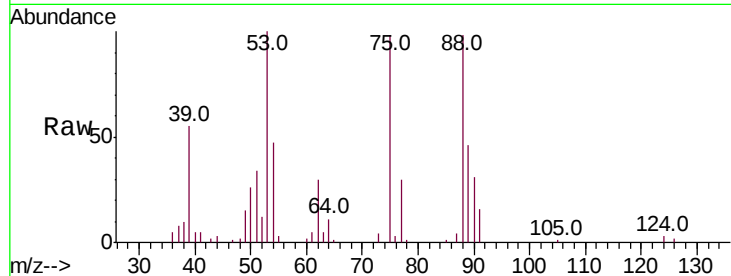
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	24143
Ion	Ratio	Lower	Upper
75	100		
53	100.6	48.6	145.8
89	47.1	21.3	64.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.432 ug/l

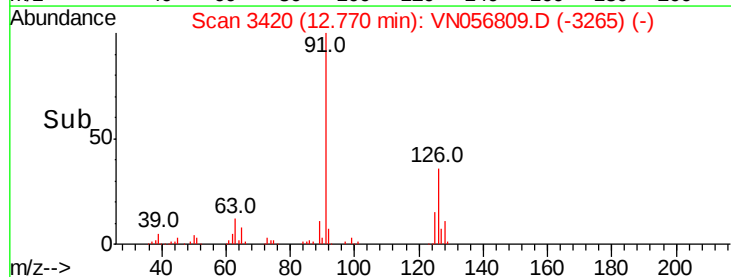
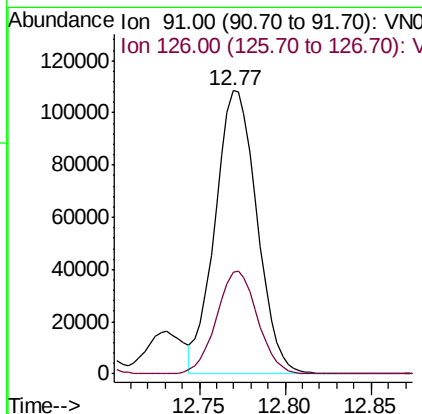
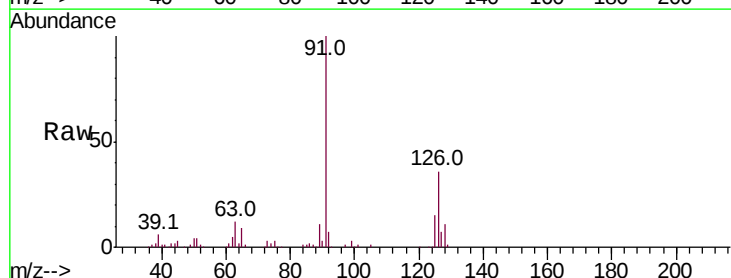
RT: 12.77 min Scan# 3420

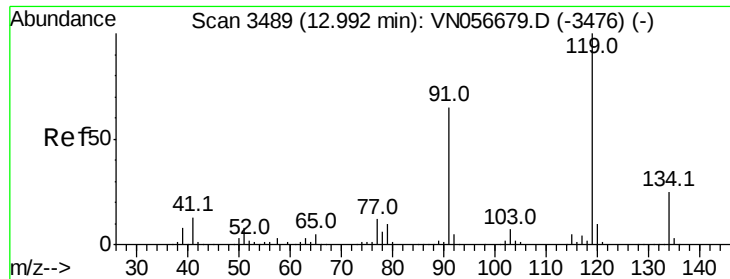
Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Tgt Ion:	91	Resp:	183245
Ion	Ratio	Lower	Upper
91	100		
126	35.8	0.0	69.4





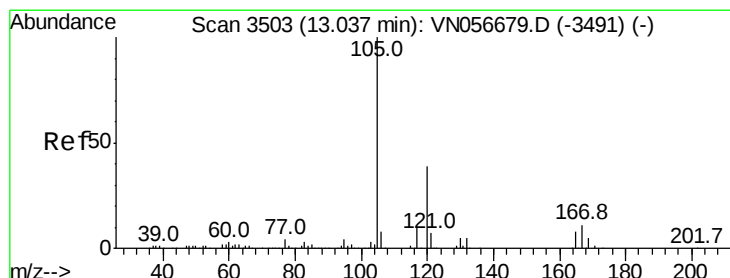
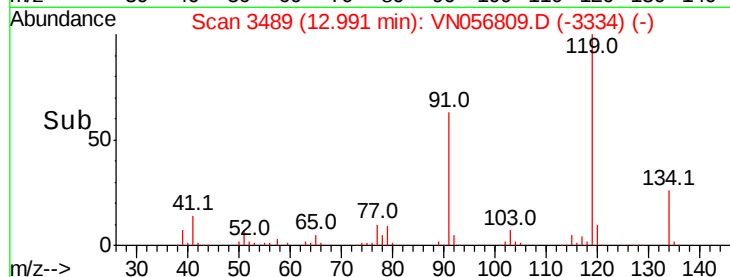
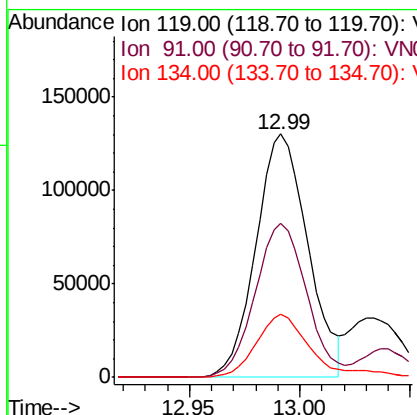
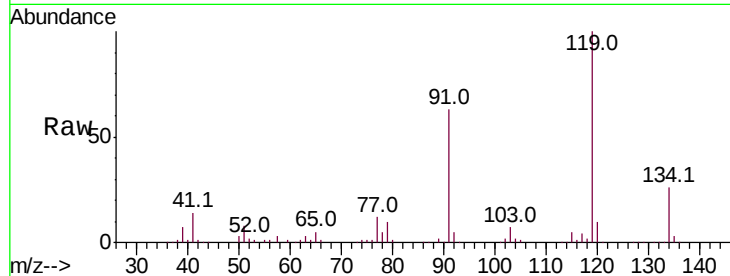
#79
 tert-butylbenzene
 Concen: 20.506 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	119	Resp:	212945
Ion Ratio	Lower	Upper	
119	100		
91	62.9	0.0	125.4
134	26.0	0.0	48.4

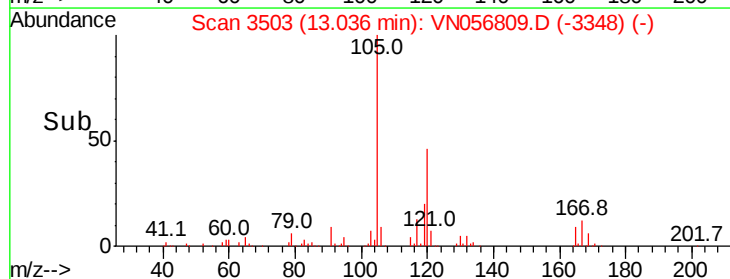
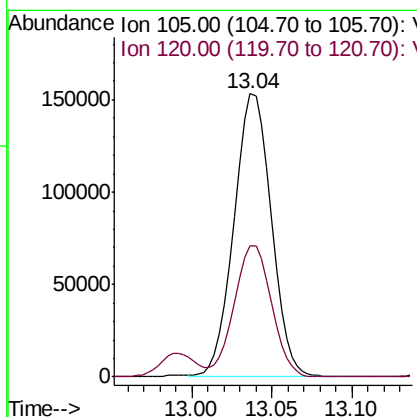
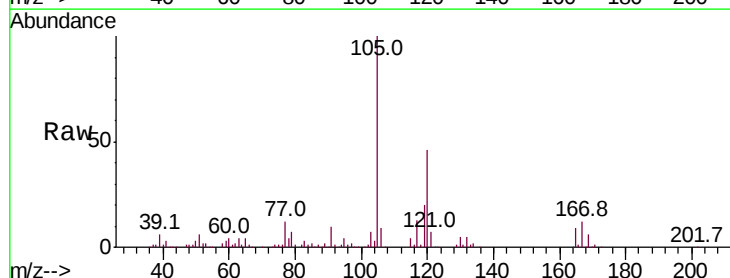
Manual Integrations
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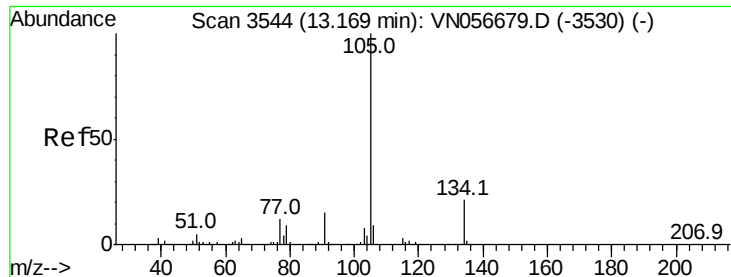
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#80
 1,2,4-Trimethylbenzene
 Concen: 20.162 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion:	105	Resp:	244098
Ion Ratio	Lower	Upper	
105	100		
120	46.1	0.0	91.2





#81

sec-Butylbenzene

Concen: 19.982 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 274664

Ion Ratio Lower Upper

105 100

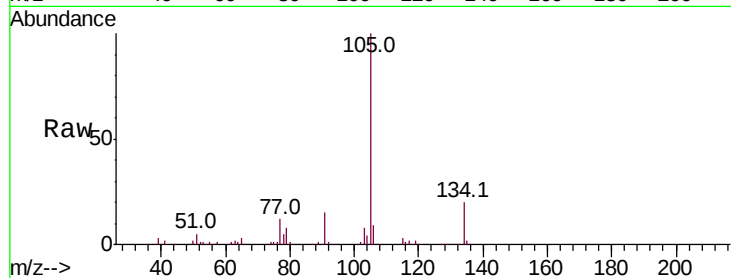
134 20.3 0.0 40.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

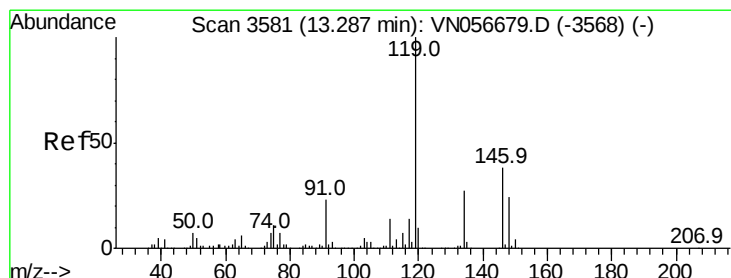
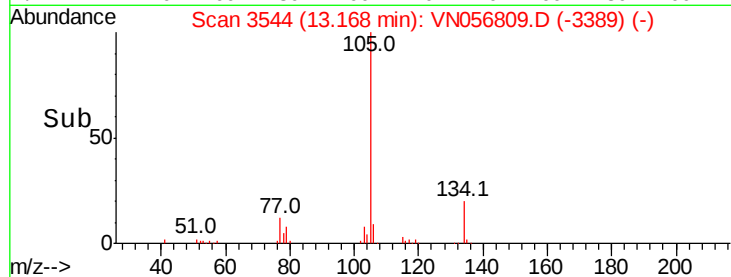
100000

50000

0

13.10 13.15 13.20

Time-->



#82

p-Isopropyltoluene

Concen: 20.009 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

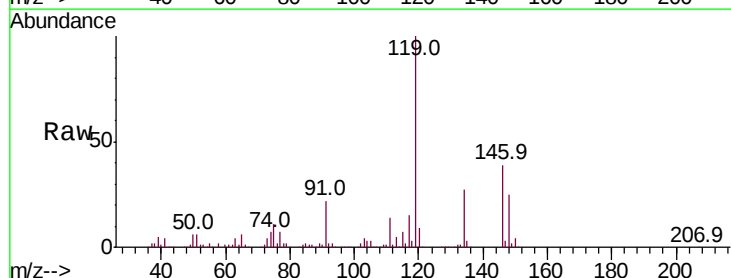
Tgt Ion:119 Resp: 250128

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.8

91 22.4 0.0 45.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

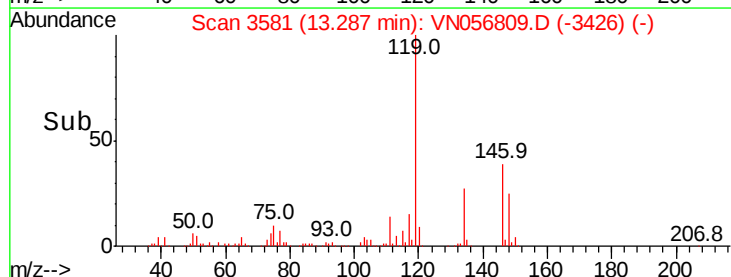
100000

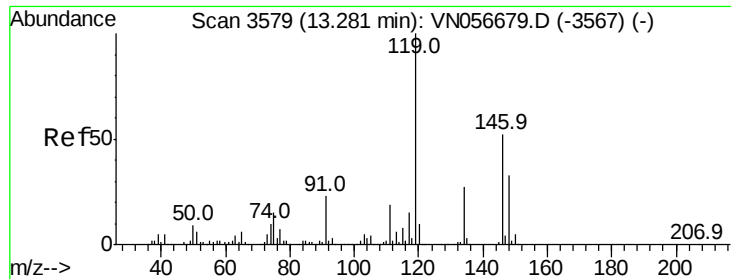
50000

0

13.20 13.25 13.30 13.35

Time-->





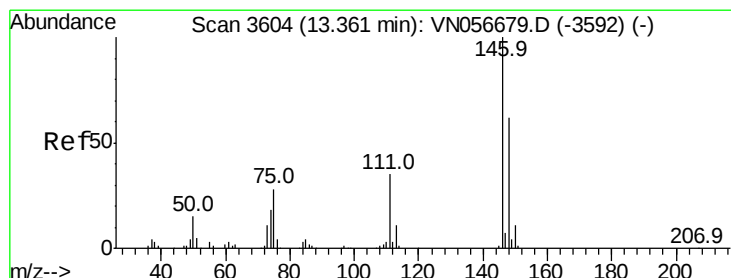
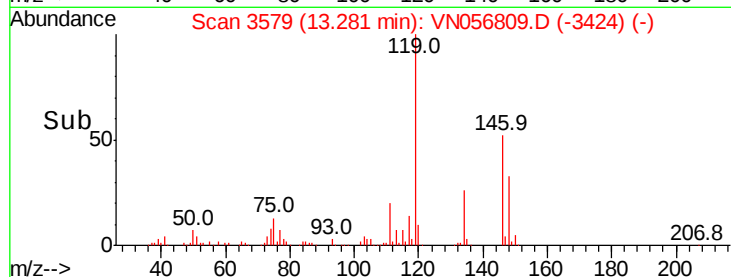
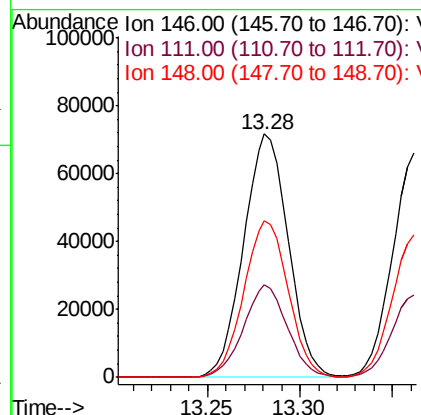
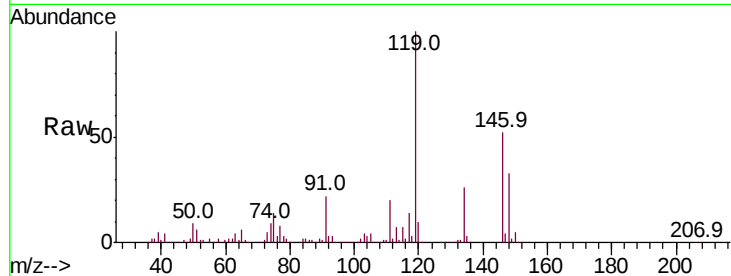
#83
 1,3-Dichlorobenzene
 Concen: 19.264 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	63.5	31.8	95.4

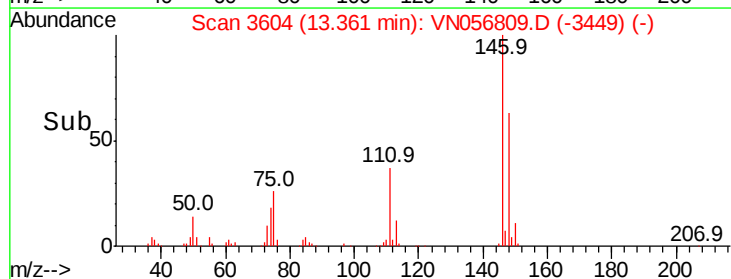
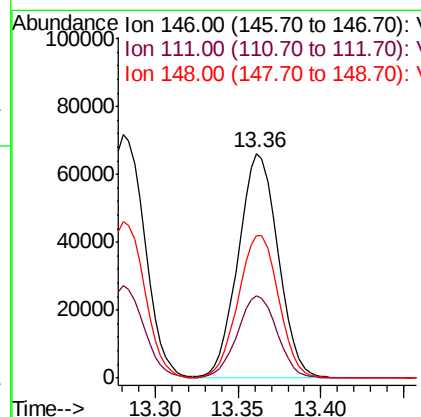
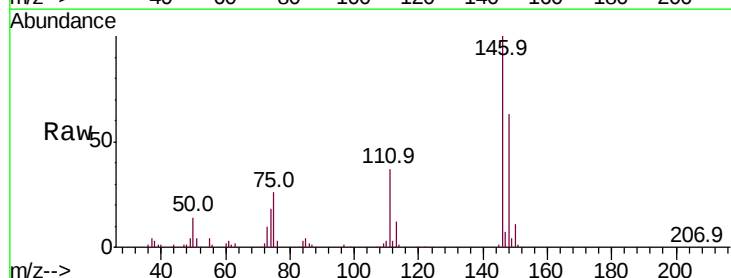
Manual Integrations
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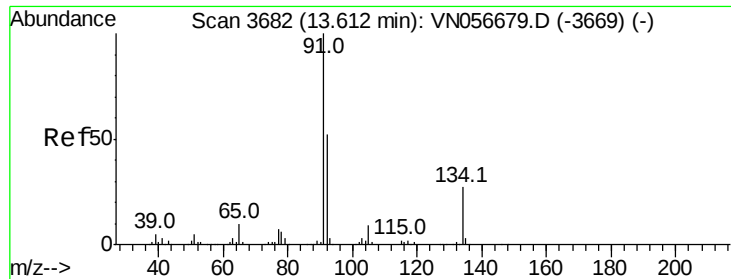
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#84
 1,4-Dichlorobenzene
 Concen: 18.563 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	17.8	53.4
148	64.7	31.9	95.5





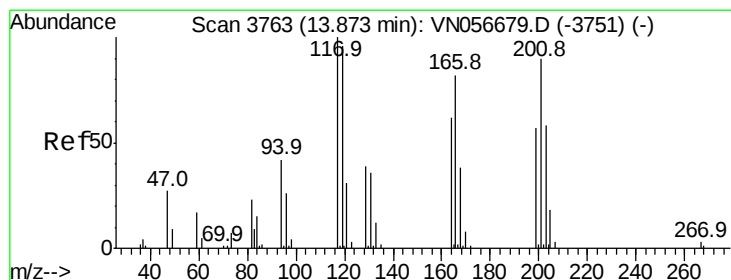
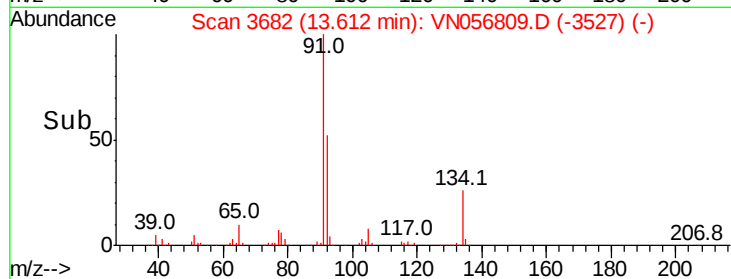
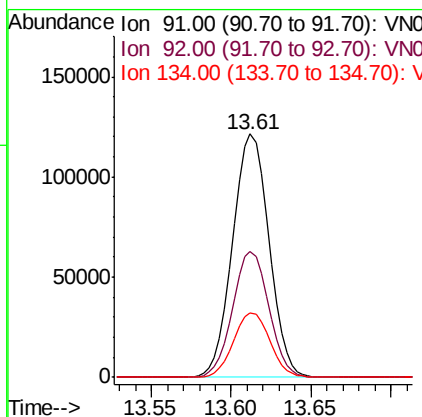
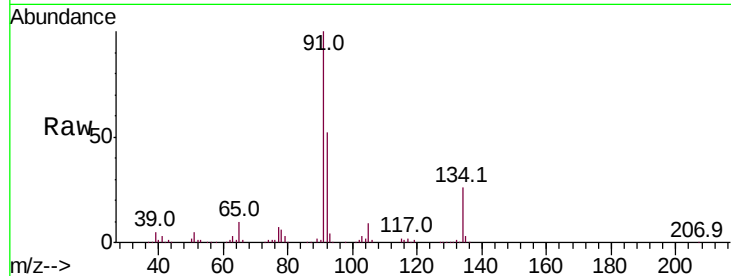
#85
n-Butylbenzene
Concen: 18.277 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	188459		
92	51.2		0.0	104.0
134	26.4		0.0	53.2

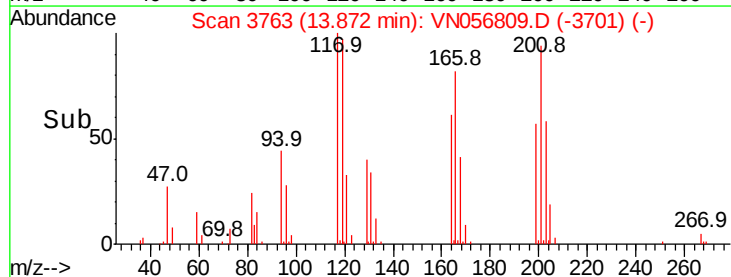
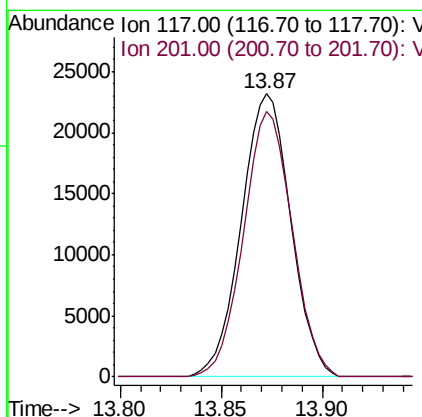
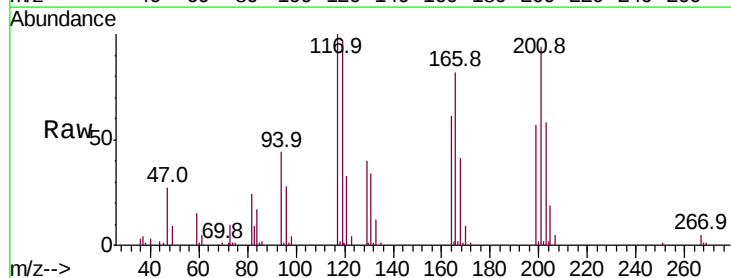
Manual Integrations
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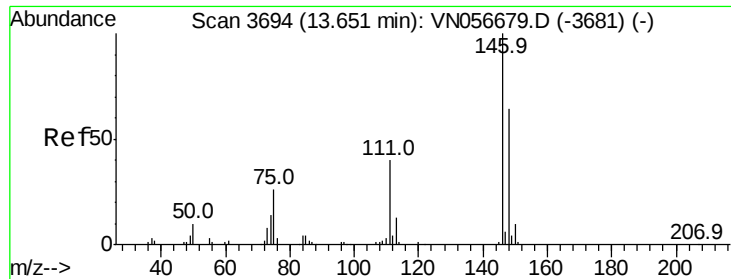
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#86
Hexachloroethane
Concen: 20.298 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39812		
201	92.1		45.6	136.7





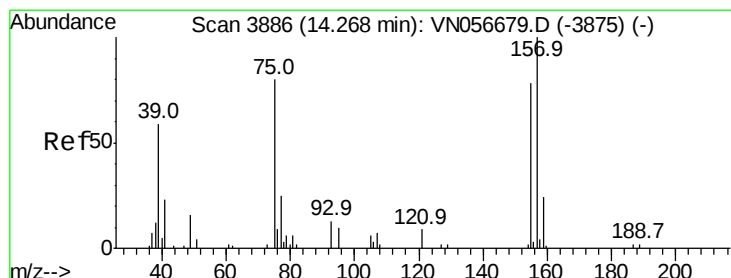
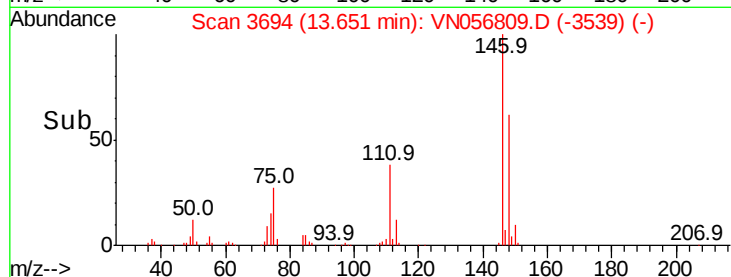
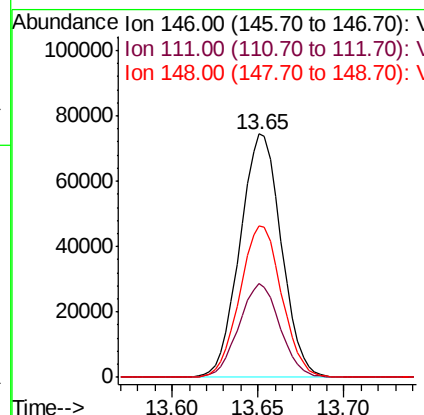
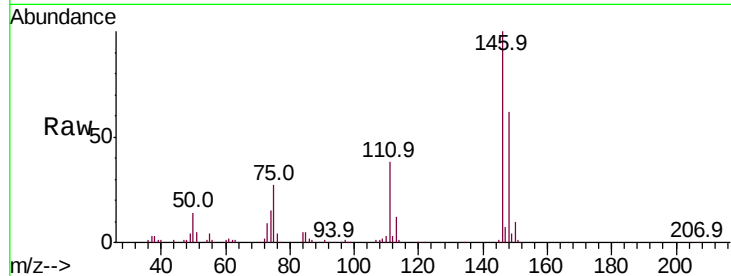
#87
 1,2-Dichlorobenzene
 Concen: 19.782 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.0
148	63.2	32.7	98.1

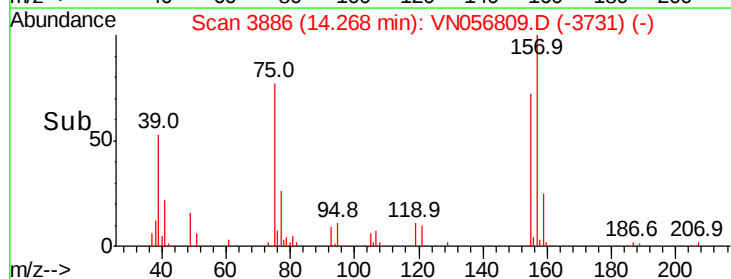
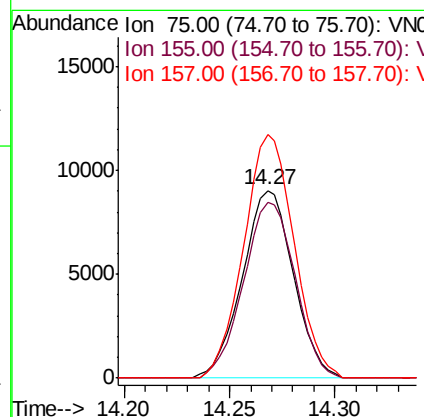
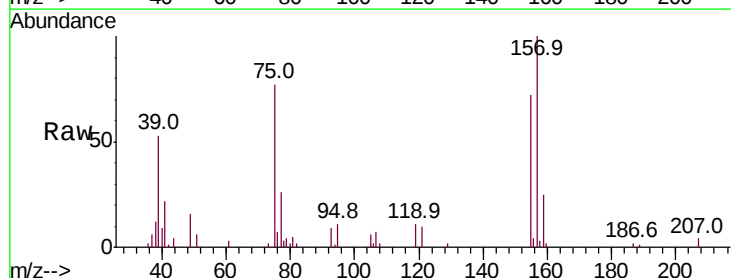
Manual Integrations
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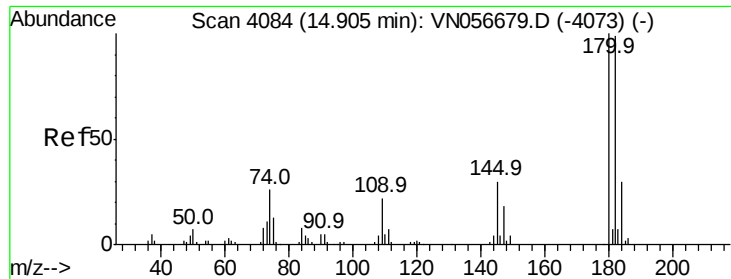
MMDadoda
 7/19/2019 11:31:39 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.994 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	78.6	117.8
157	128.1	99.3	148.9





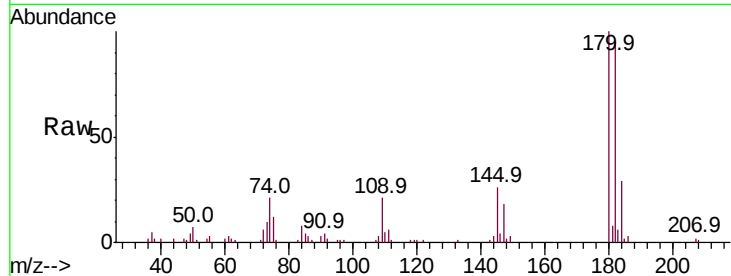
#89
 1,2,4-Trichlorobenzene
 Concen: 15.545 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	78.2	117.4
145	26.8	23.2	34.8

Manual Integrations
 APPROVED

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 7/19/2019 11:31:39 PM

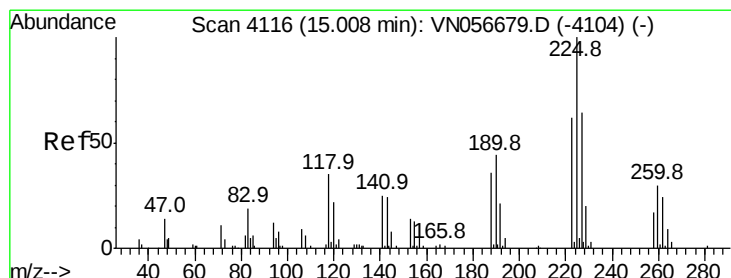
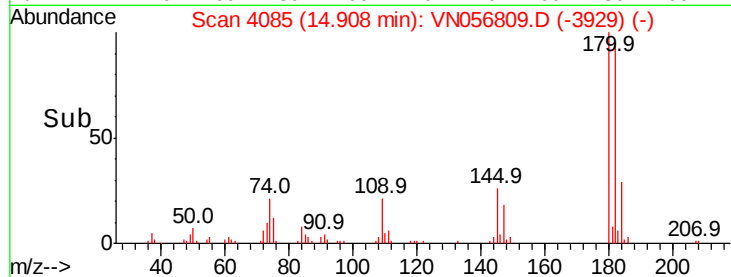
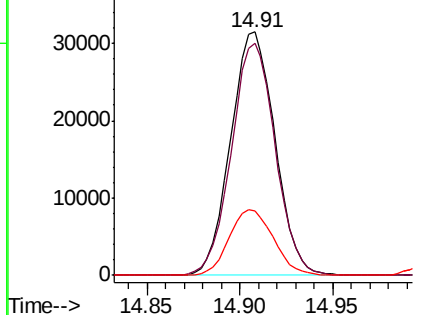


Abundance

Ion 180.00 (179.70 to 180.70): V

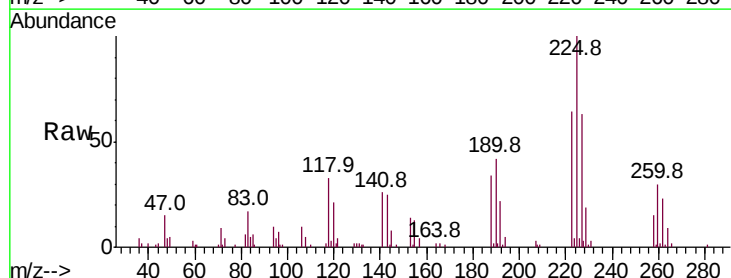
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.236 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	0.0	124.6
227	62.1	0.0	128.6

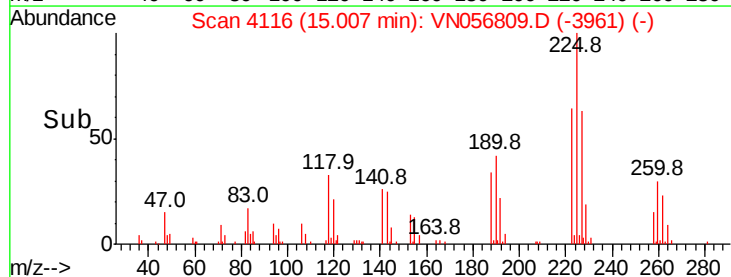
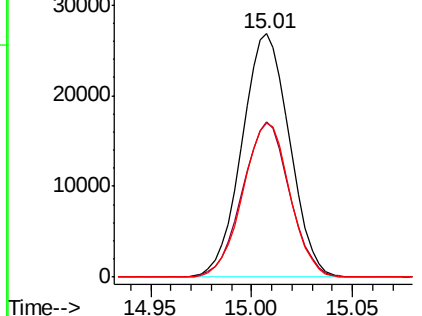


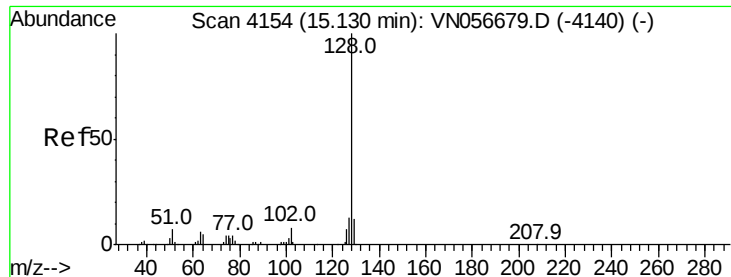
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





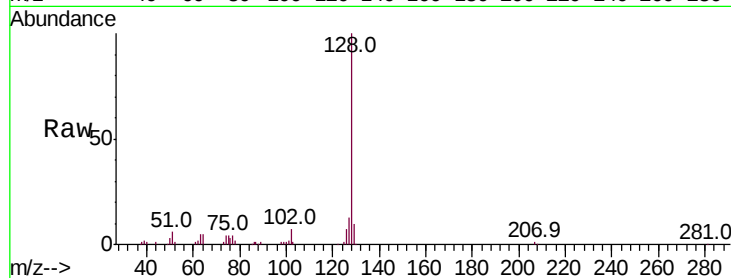
#91
Naphthalene
Concen: 14.190 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/19/2019 11:31:39 PM

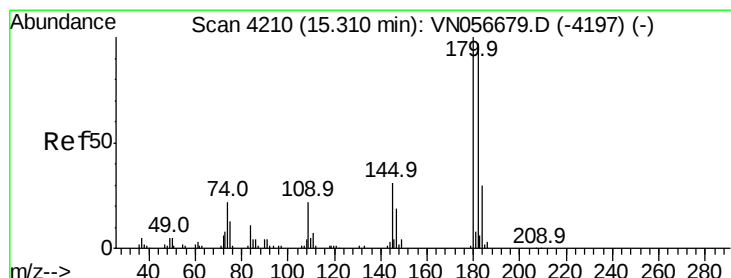
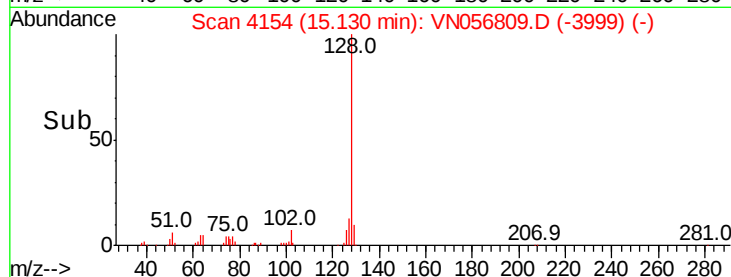
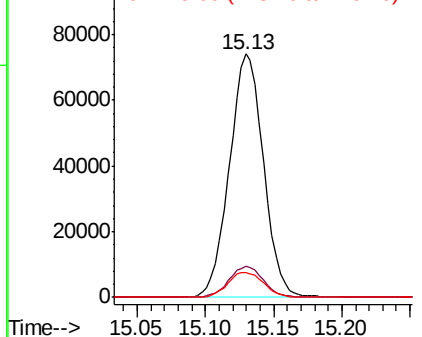


Abundance

Ion 128.00 (127.70 to 128.70): V

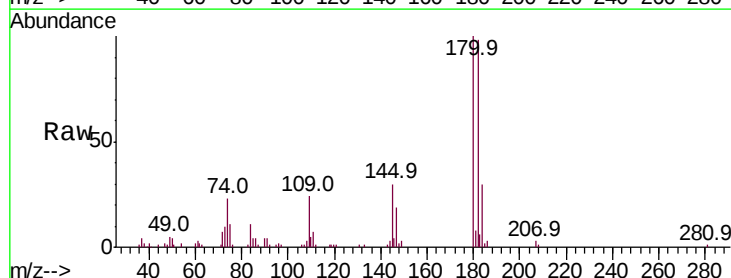
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 16.015 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	192.4
145	30.9	0.0	60.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

