

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056017.D
 Acq On : 5 Jun 2019 19:43
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 10:19:34 AM

Quant Time: Jun 06 03:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 03:18:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55849	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	302412	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	270530	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	103156	28.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.93%
60) 4-Bromofluorobenzene	12.40	95	122623	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	364371	29.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	158628	60.362	ug/l 100
3) Chloromethane	2.06	50	184208	52.555	ug/l 98
4) Vinyl Chloride	2.18	62	187768	52.124	ug/l 99
5) Bromomethane	2.53	94	119982	55.436	ug/l 99
6) Chloroethane	2.68	64	109430	52.245	ug/l 94
7) Trichlorofluoromethane	3.00	101	227386	50.353	ug/l 98
8) Diethyl Ether	3.40	74	95070	48.420	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	139516	49.303	ug/l 98
10) 1,1-Dichloroethene	3.72	96	145051	49.365	ug/l 99
11) Methyl Iodide	3.94	142	233838	54.708	ug/l 98
12) Methyl Acetate	4.33	43	163980	45.774	ug/l 99
13) Acrolein	3.60	56	42642	97.531	ug/l 97
14) Acrylonitrile	4.99	53	385532	238.060	ug/l 98
15) Acetone	3.82	58	130880	255.539	ug/l 95
16) Carbon Disulfide	4.04	76	347101	43.125	ug/l 100
17) Allyl chloride	4.31	41	225995	44.098	ug/l 99
18) Methylene Chloride	4.54	84	165839	49.230	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	154376	48.861	ug/l 97
20) Diisopropyl ether	5.96	45	462129	45.618	ug/l 95
21) 1,1-Dichloroethane	5.84	63	268991	46.944	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	181481	49.236	ug/l 99
23) tert-Butyl Alcohol	4.81	59	149834	216.214	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	461006	46.839	ug/l 98
25) Chloroform	7.37	83	269776	47.480	ug/l 98
26) Cyclohexane	7.65	56	245680	46.321	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	205432	49.054	ug/l 100
30) 2-Butanone	6.84	43	547919	246.241	ug/l 100
31) 2,2-Dichloropropane	6.82	77	189929	40.780	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	226312	46.248	ug/l 99
33) Carbon Tetrachloride	7.77	117	191708	44.420	ug/l 99
34) Benzene	8.04	78	655144	50.302	ug/l # 93
35) Methacrylonitrile	7.17	41	97464	47.003	ug/l 95
36) 1,2-Dichloroethane	8.12	62	203252	48.258	ug/l 98
37) Trichloroethene	8.83	130	181076	49.684	ug/l 97
38) Methylcyclohexane	9.08	83	253104	47.718	ug/l 98
39) 1,2-Dichloropropane	9.12	63	166758	48.036	ug/l 96
40) Dibromomethane	9.21	93	110240	48.877	ug/l 99

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Manual Integrations
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MMDadoda
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 03:18:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	201206	44.987	ug/l	99
42) Vinyl Acetate	5.90	43	1959068	230.902	ug/l	100
43) Ethyl Acetate	6.93	43	206166	47.492	ug/l	100
44) Isopropyl Acetate	8.17	43	323183	45.558	ug/l	98
45) 1,4-Dioxane	9.20	88	69238	1005.959	ug/l	98
46) Methyl methacrylate	9.20	41	159777	48.127	ug/l	98
47) n-amyl Acetate	12.07	43	272512	46.596	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	215008	44.038	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	248874	45.869	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	163849	49.895	ug/l	97
51) Ethyl methacrylate	10.43	69	251509	48.366	ug/l	98
52) 1,3-Dichloropropane	10.71	76	267600	49.606	ug/l	99
53) Dibromochloromethane	10.90	129	166531	44.845	ug/l	98
54) 1,2-Dibromoethane	11.00	107	173928	51.189	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	440140	221.756	ug/l	100
56) Bromoform	12.13	173	120396	40.649	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	1013866	231.846	ug/l	100
59) 2-Hexanone	10.75	43	728683	232.660	ug/l	99
61) Tetrachloroethene	10.63	164	184234	50.156	ug/l	99
62) Toluene	10.16	91	718188	49.501	ug/l	99
64) Chlorobenzene	11.43	112	439967	50.032	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	160116	46.302	ug/l	98
66) Ethyl Benzene	11.51	91	766927	48.628	ug/l	100
67) m/p-Xylenes	11.62	106	587865	98.050	ug/l	98
68) o-Xylene	11.95	106	287521	48.580	ug/l	99
69) Styrene	11.96	104	482836	49.606	ug/l	99
70) Isopropylbenzene	12.25	105	754774	48.702	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	229148	48.285	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	196201m	48.302	ug/l	
73) Bromobenzene	12.53	156	202083	49.307	ug/l	98
74) n-propylbenzene	12.59	91	815649	49.166	ug/l	100
75) 2-Chlorotoluene	12.67	91	496909	48.928	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	620449	48.589	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	58550	38.570	ug/l	94
78) 4-Chlorotoluene	12.77	91	476697	49.733	ug/l	100
79) tert-butylbenzene	12.99	119	544238	48.556	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	615948	48.800	ug/l	100
81) sec-Butylbenzene	13.17	105	705763	49.511	ug/l	100
82) p-Isopropyltoluene	13.29	119	642511	49.203	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	325935	51.028	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	311223	51.343	ug/l	100
85) n-Butylbenzene	13.61	91	488443	48.682	ug/l	100
86) Hexachloroethane	13.87	117	100668	41.150	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	327039	50.844	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	37300	43.631	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	163259	47.981	ug/l	99
90) Hexachlorobutadiene	15.01	225	116351	45.709	ug/l	98
91) Naphthalene	15.13	128	443580	47.870	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	174108	48.858	ug/l	99

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ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Manual Integrations
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MMDadoda
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 03:18:25 2019
Response via : Initial Calibration

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

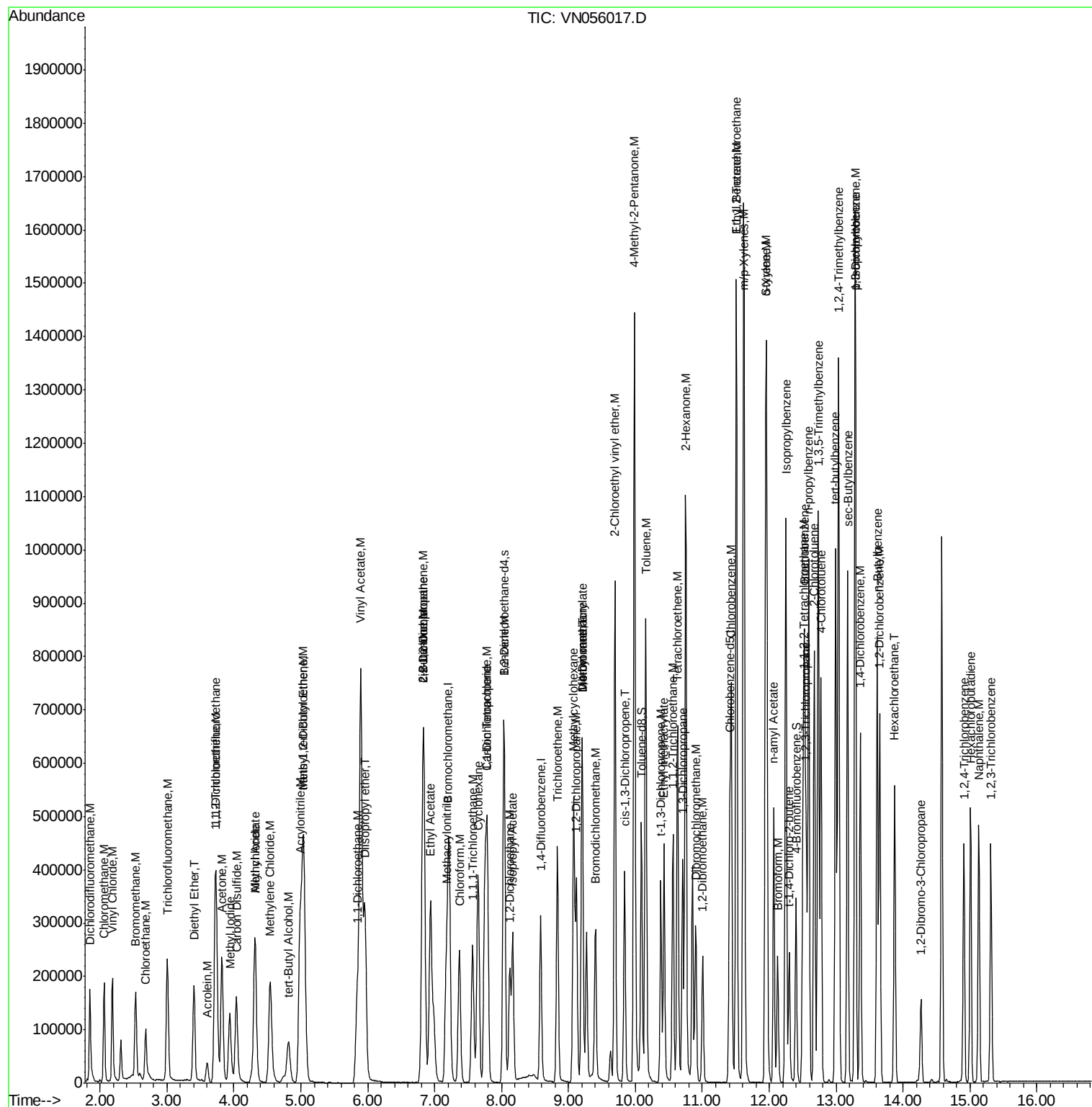
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
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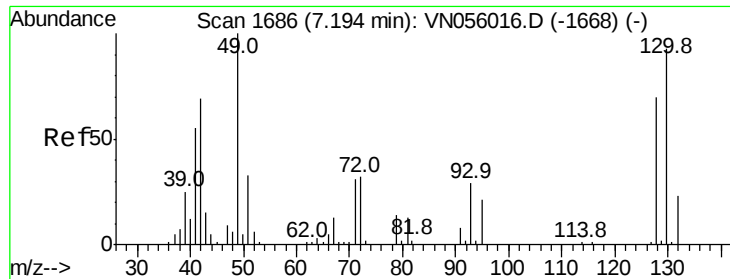
Instrument :
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 ClientSampleId :
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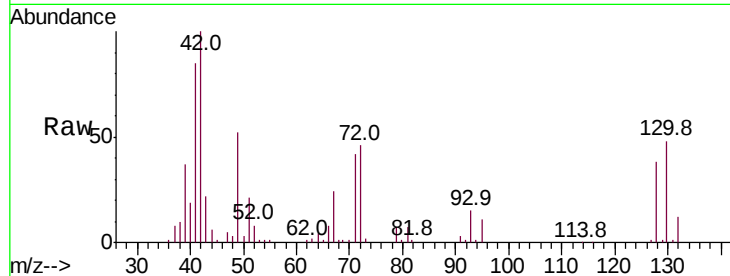
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	142.3	0.0	355.8
130	129.9	0.0	326.3

Manual Integrations
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MMDadoda
 6/6/2019 10:19:34 AM

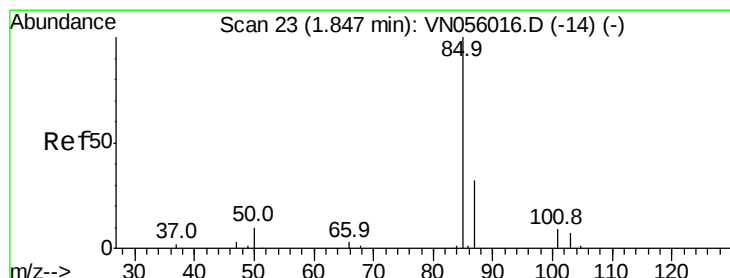
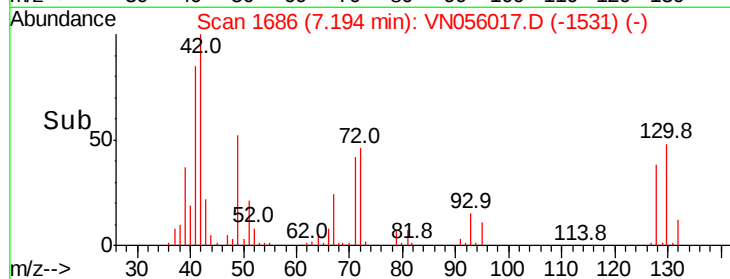
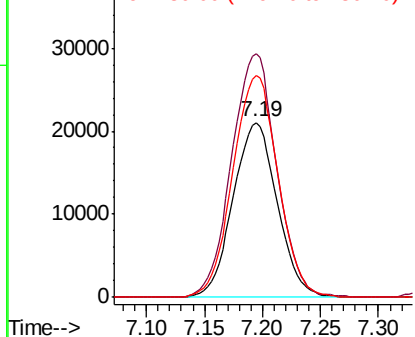


Abundance

Ion 128.00 (127.70 to 128.70): V

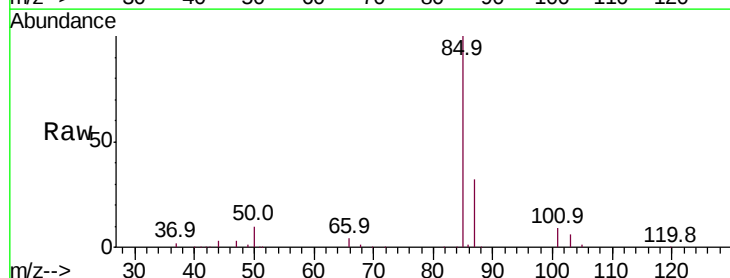
Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2
 Dichlorodifluoromethane
 Concen: 60.362 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

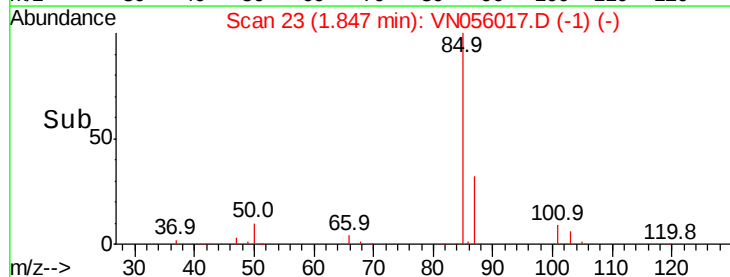
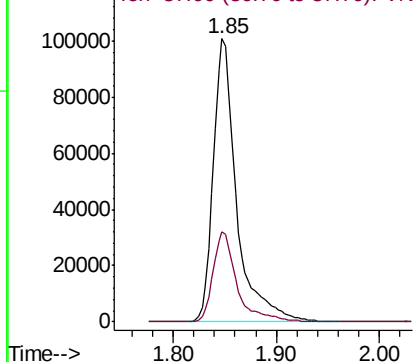
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.9	47.7

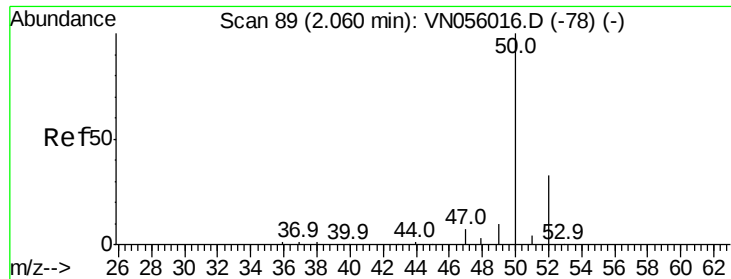


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





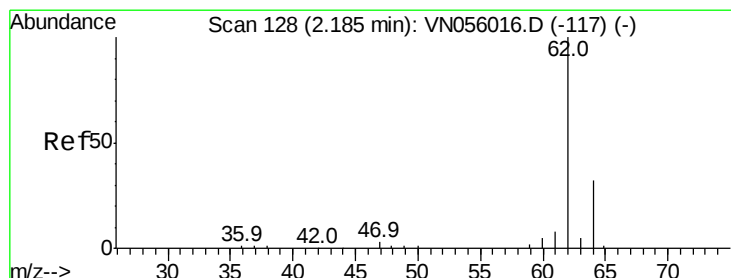
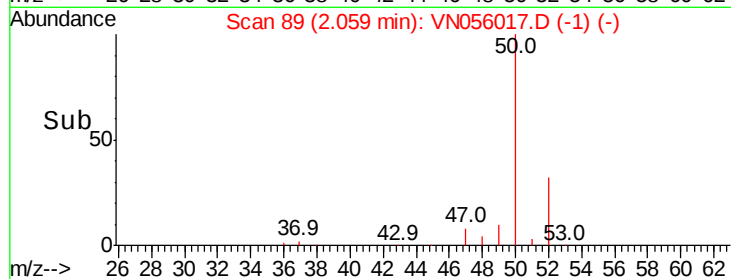
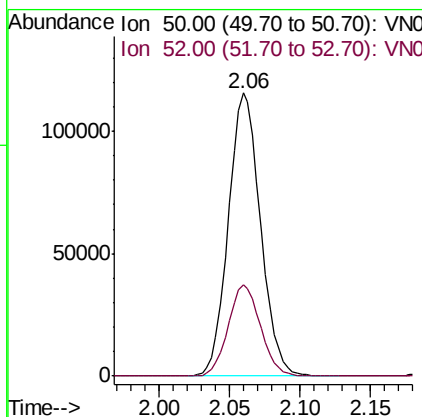
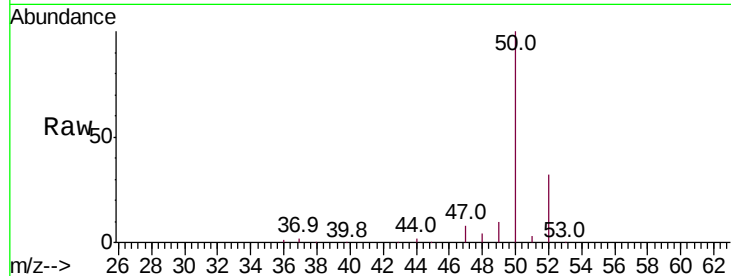
#3
Chloromethane
Concen: 52.555 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.7	40.1

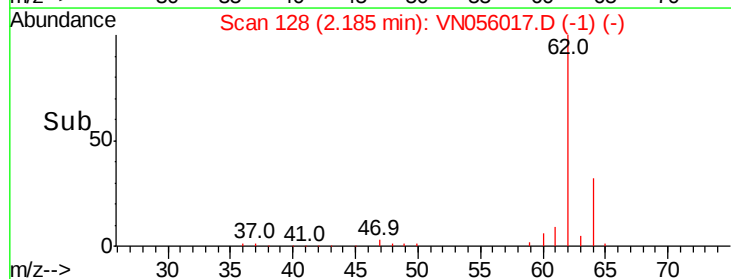
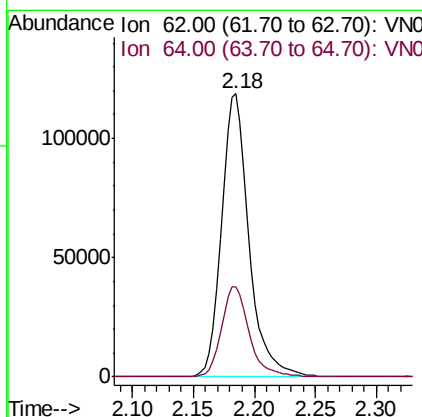
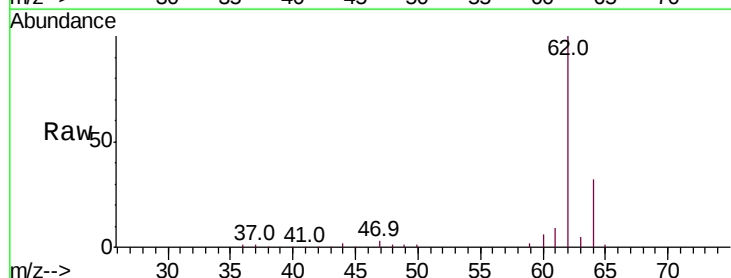
Manual Integrations
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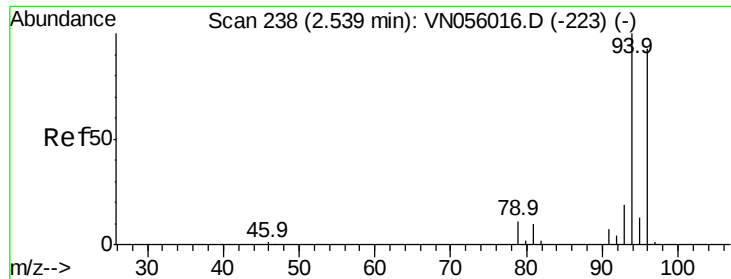
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6/6/2019 10:19:34 AM



#4
Vinyl Chloride
Concen: 52.124 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.8	38.8





#5

Bromomethane

Concen: 55.436 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 119982

Ion Ratio Lower Upper

94 100

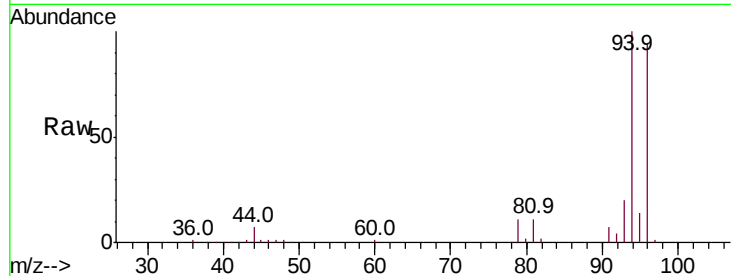
96 93.7 74.1 111.1

Manual Integrations

APPROVED

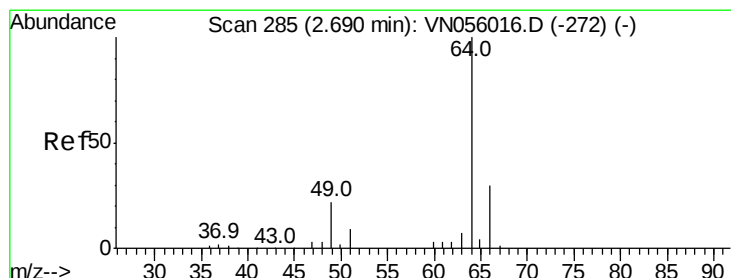
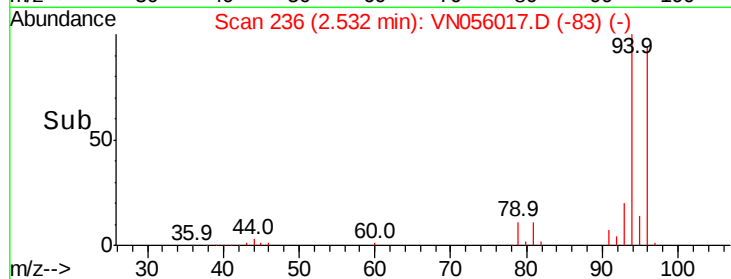
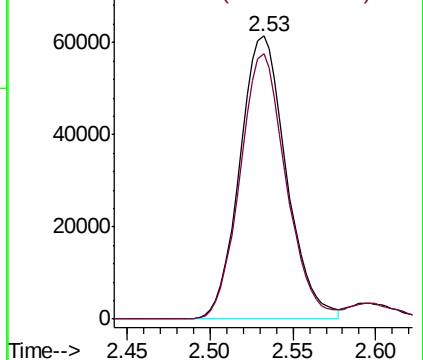
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6/6/2019 10:19:34 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 52.245 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056017.D

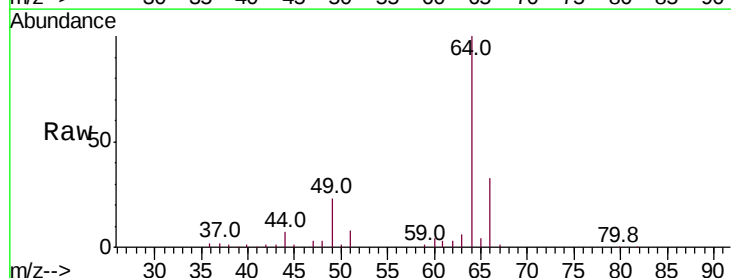
Acq: 5 Jun 2019 19:43

Tgt Ion: 64 Resp: 109430

Ion Ratio Lower Upper

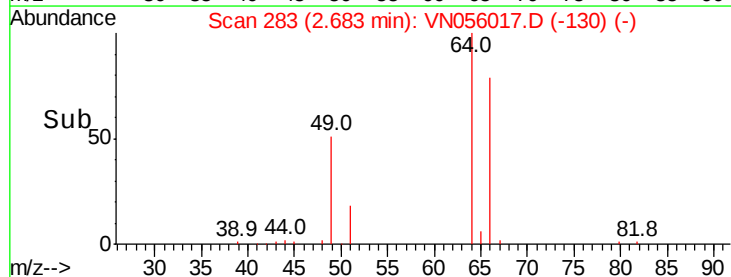
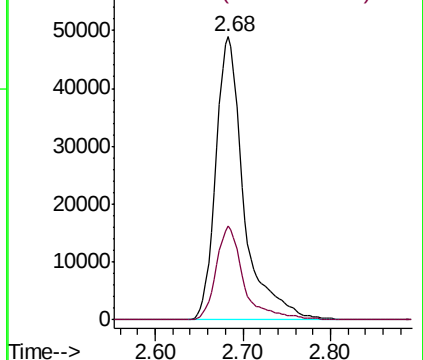
64 100

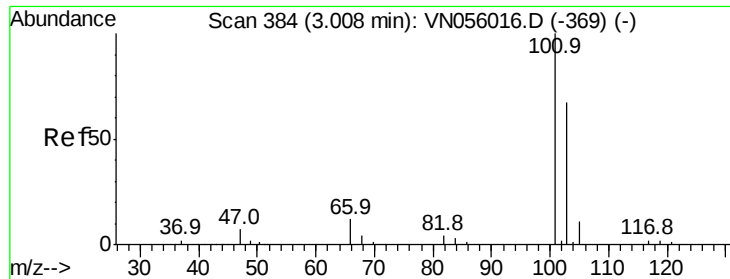
66 33.0 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

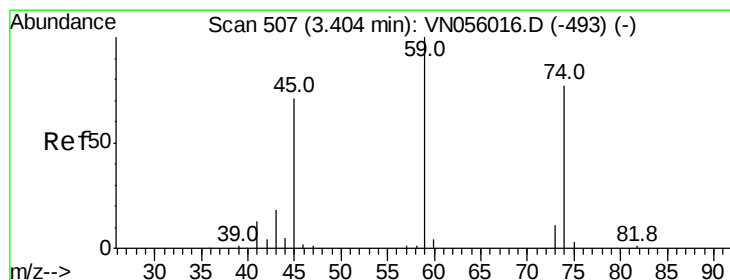
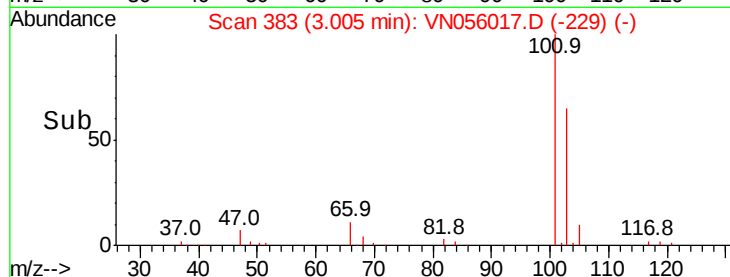
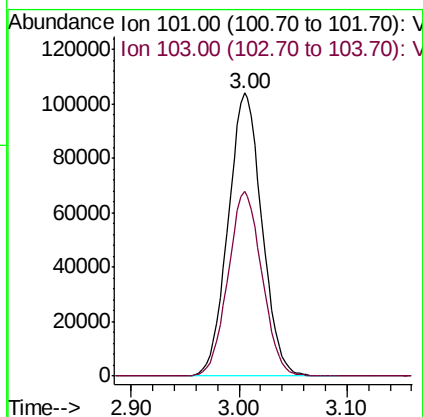
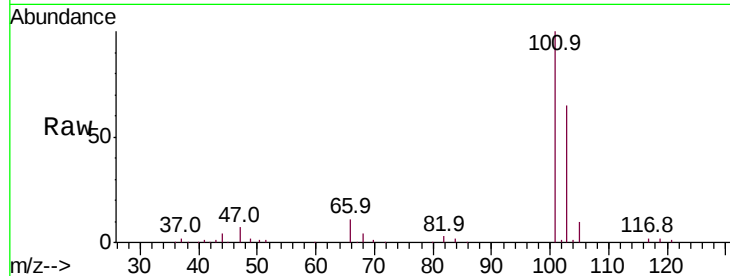
Trichlorofluoromethane
Concen: 50.353 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.4	80.0

Manual Integrations
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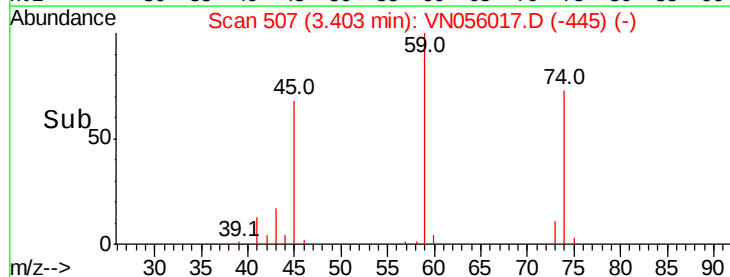
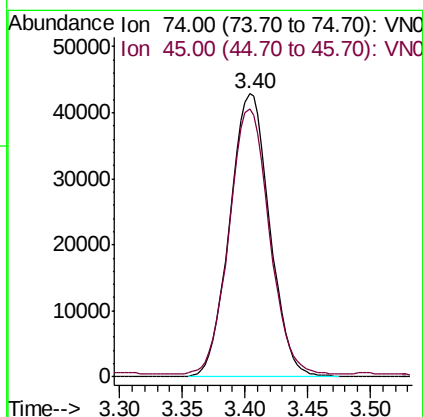
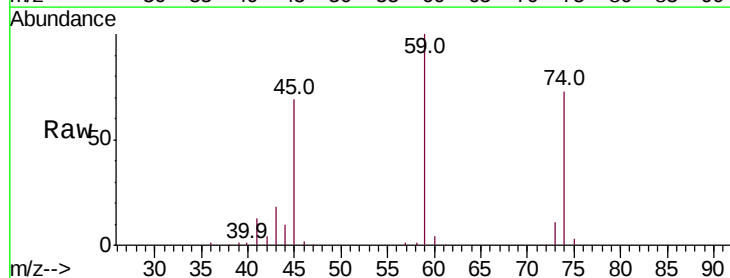
MMDadoda
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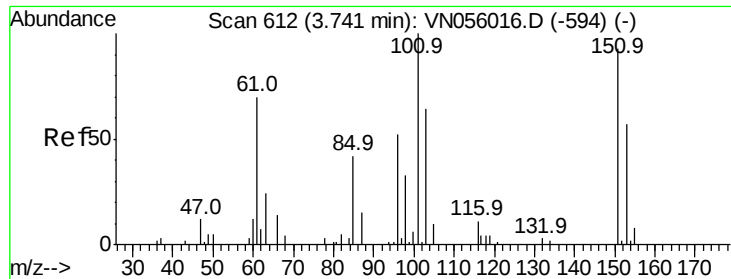


#8

Diethyl Ether
Concen: 48.420 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.303 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

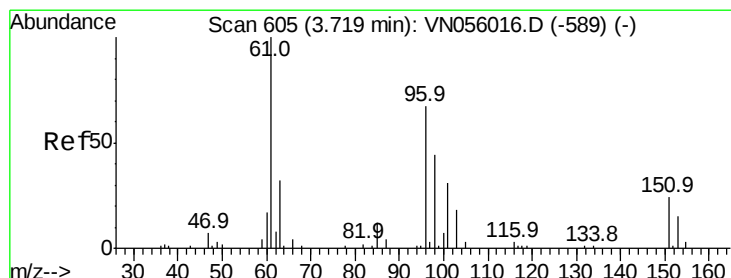
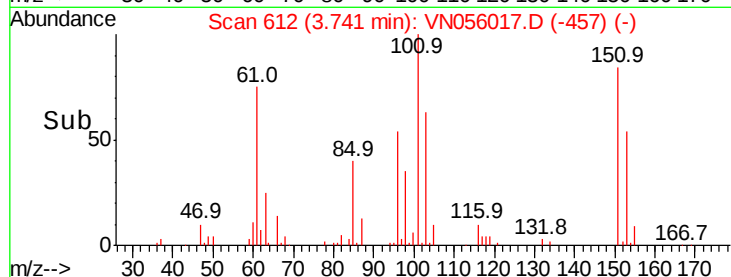
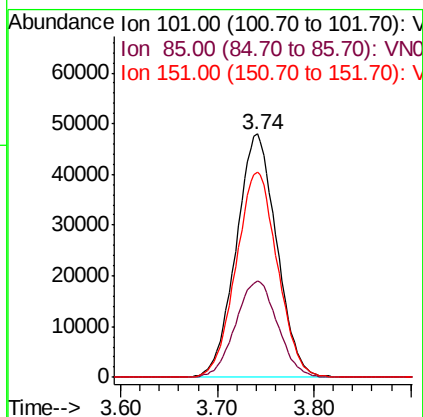
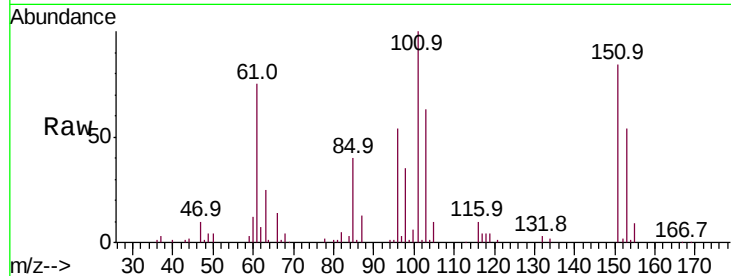
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	139516
Ion Ratio	Lower	Upper	
101	100		
85	41.0	0.0	82.0
151	86.1	0.0	177.0

Manual Integrations
APPROVED

MMDadoda
6/6/2019 10:19:34 AM



#10

1,1-Dichloroethene

Concen: 49.365 ug/l

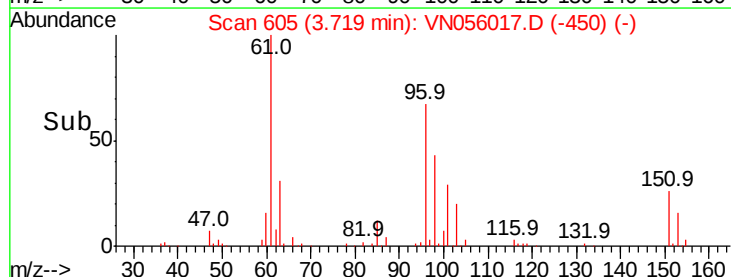
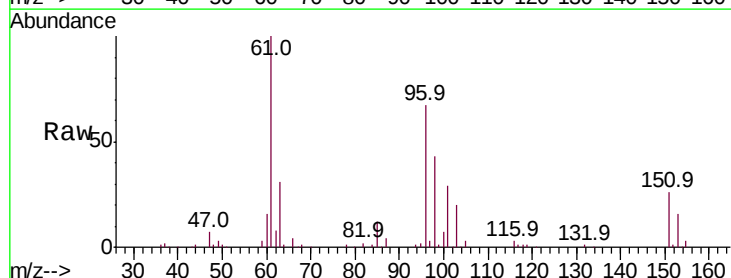
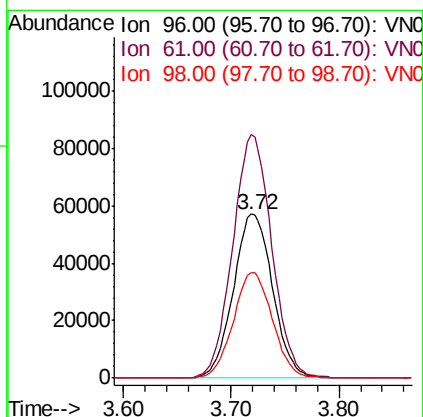
RT: 3.72 min Scan# 605

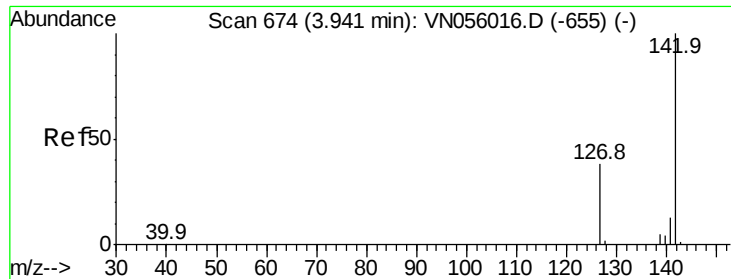
Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Tgt Ion:	96	Resp:	145051
Ion Ratio	Lower	Upper	
96	100		
61	148.3	119.7	179.5
98	64.4	52.3	78.5





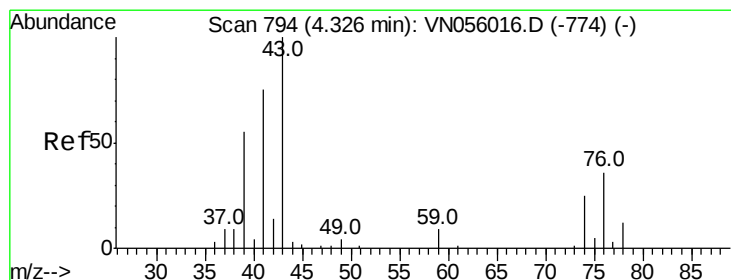
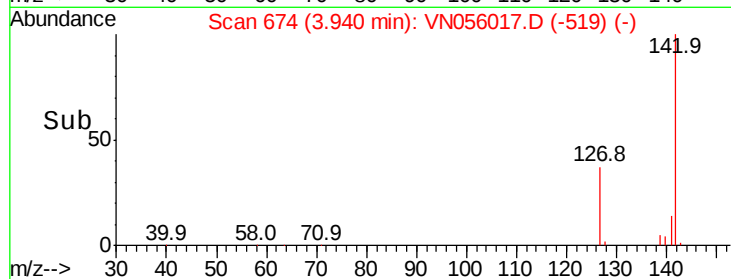
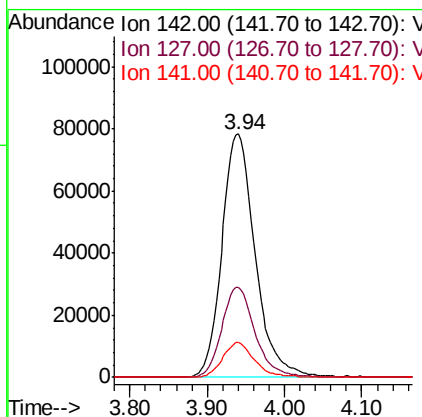
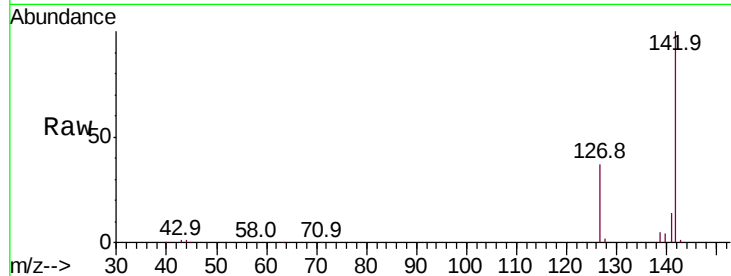
#11
Methvl Iodide
Concen: 54.708 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.0	19.0	57.0
141	14.2	6.7	20.0

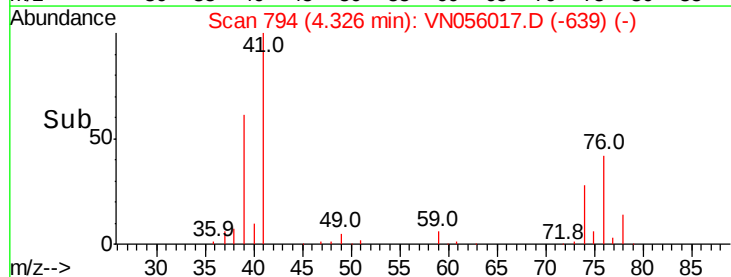
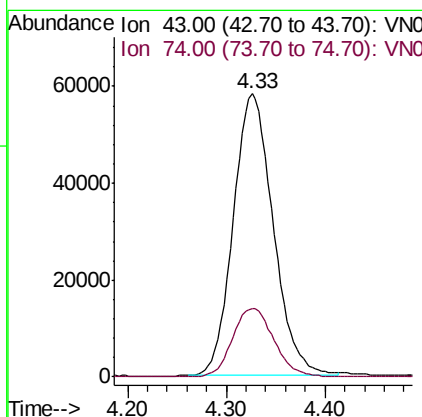
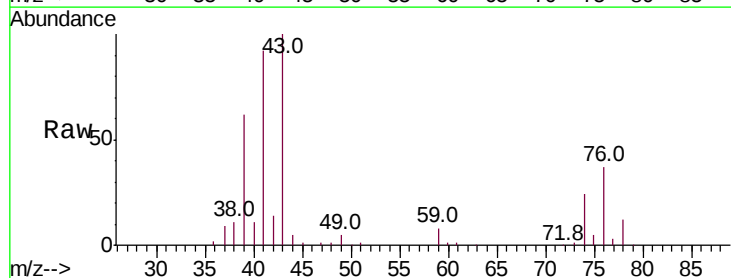
Manual Integrations
APPROVED

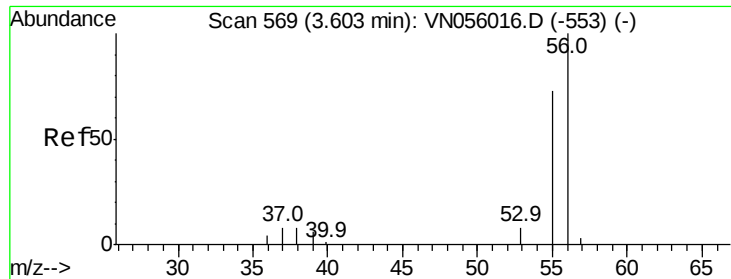
MMDadoda
6/6/2019 10:19:34 AM



#12
Methyl Acetate
Concen: 45.774 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.9	29.9





#13

Acrolein

Concen: 97.531 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 56 Resp: 42642

Ion Ratio Lower Upper

56 100

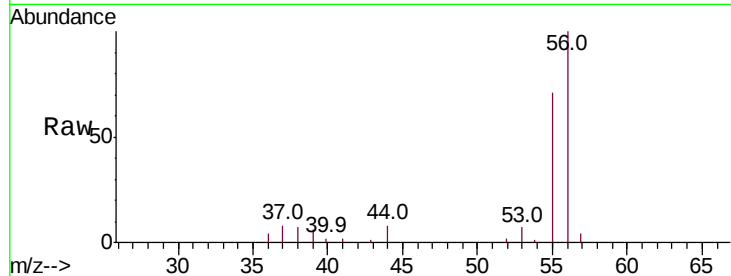
55 69.7 57.9 86.9

Manual Integrations

APPROVED

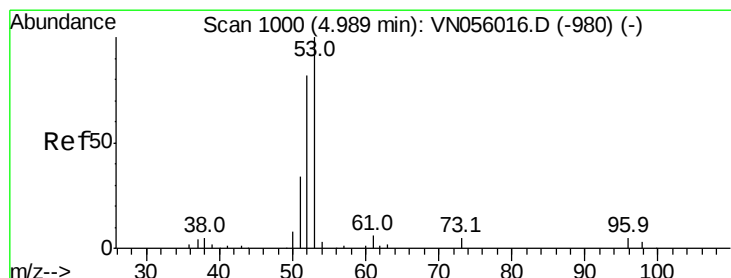
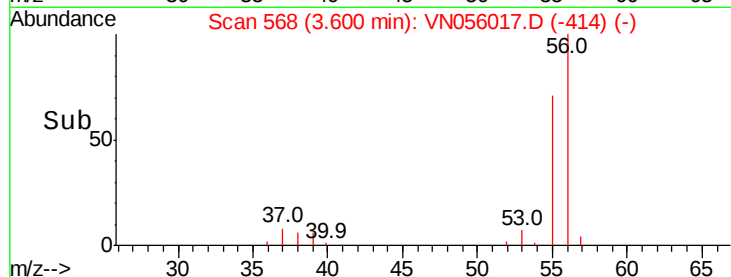
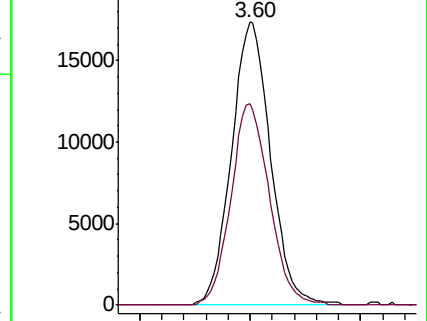
MMDadoda

6/6/2019 10:19:34 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 238.060 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

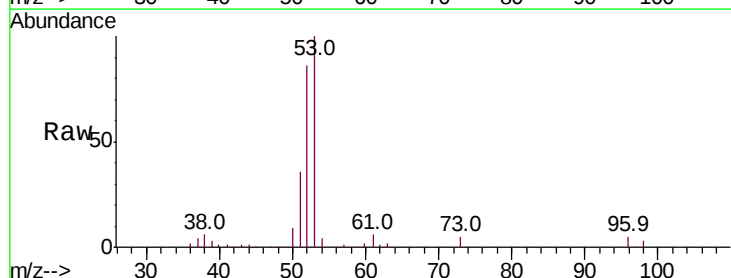
Tgt Ion: 53 Resp: 385532

Ion Ratio Lower Upper

53 100

52 83.9 40.8 122.2

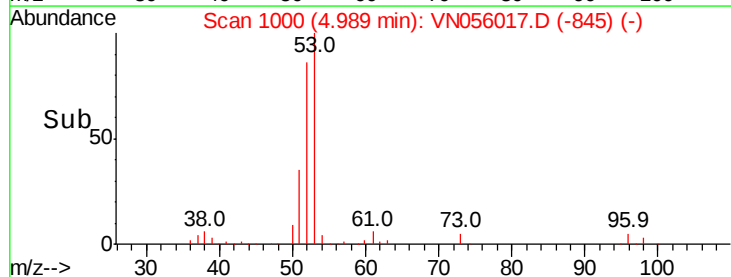
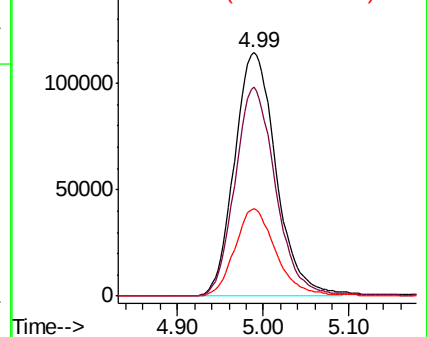
51 35.3 17.3 52.0

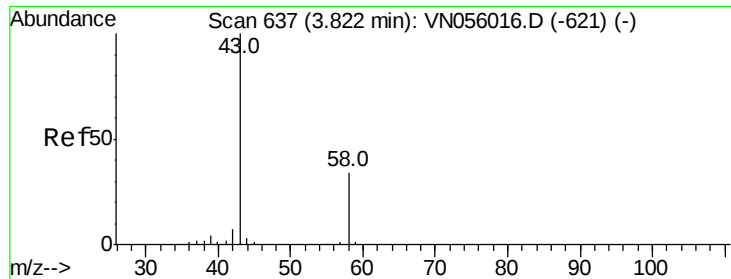


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 255.539 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 58 Resp: 130880

Ion Ratio Lower Upper

58 100

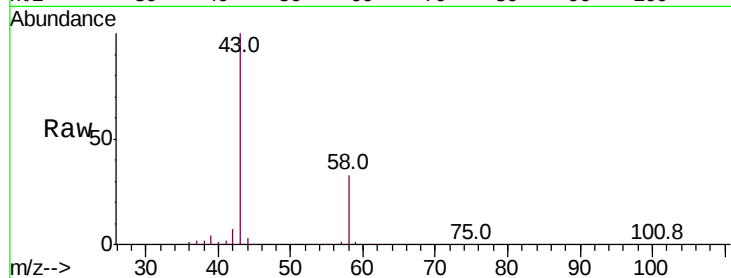
43 300.8 232.5 348.7

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

150000

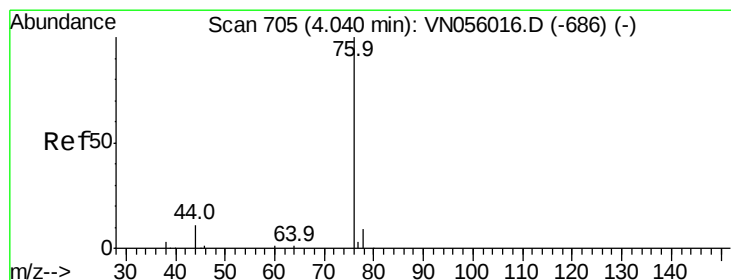
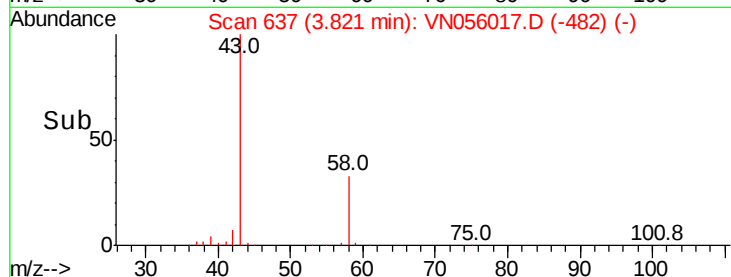
100000

50000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 43.125 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056017.D

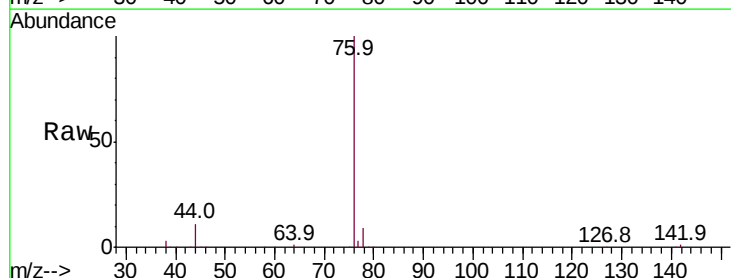
Acq: 5 Jun 2019 19:43

Tgt Ion: 76 Resp: 347101

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

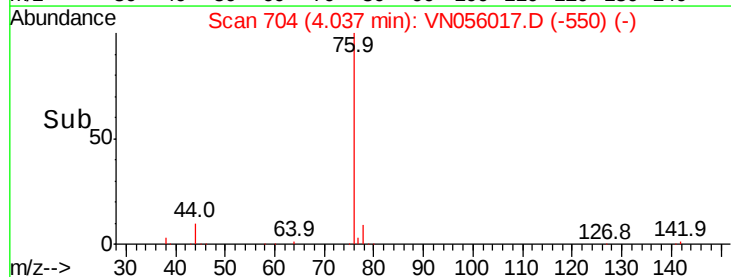
100000

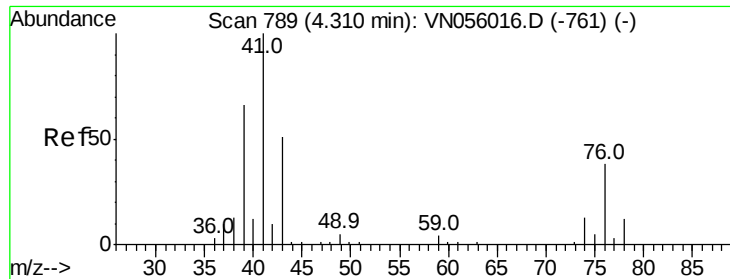
50000

0

3.90 4.00 4.10 4.20

Time-->





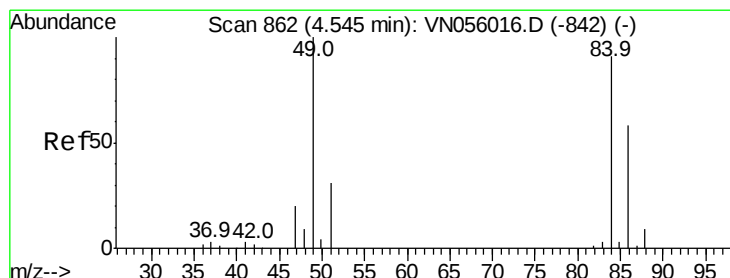
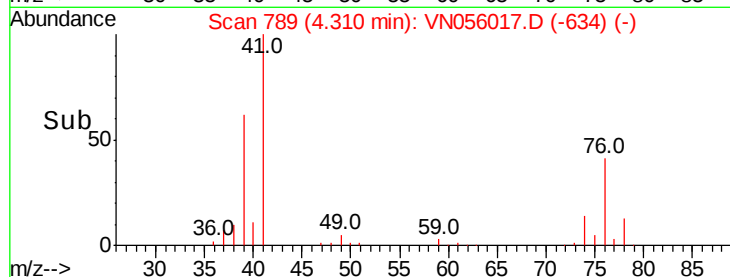
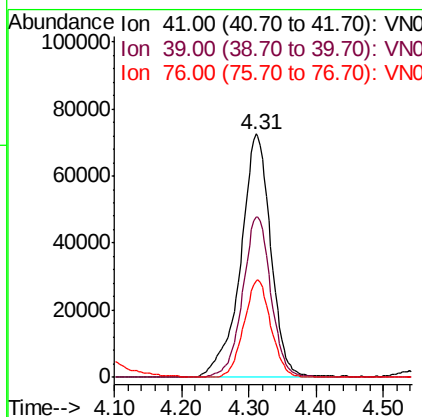
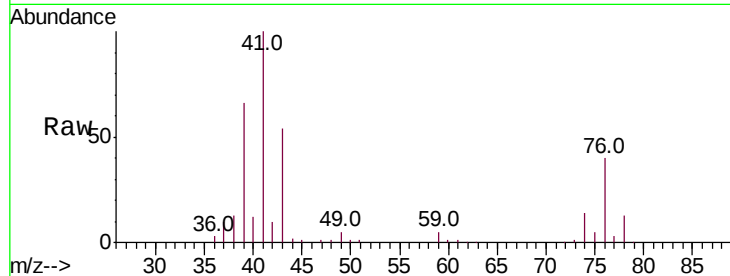
#17
Allvl chloride
Concen: 44.098 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	225995		
39	66.1		33.0	99.0
76	39.5		18.9	56.9

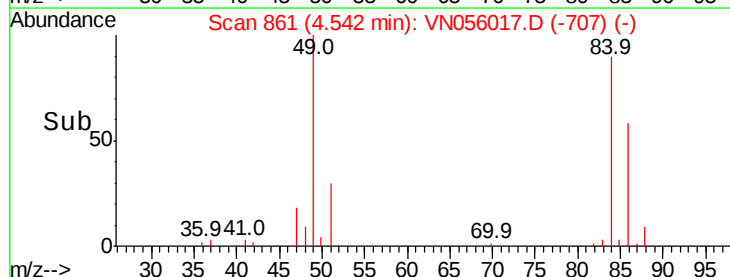
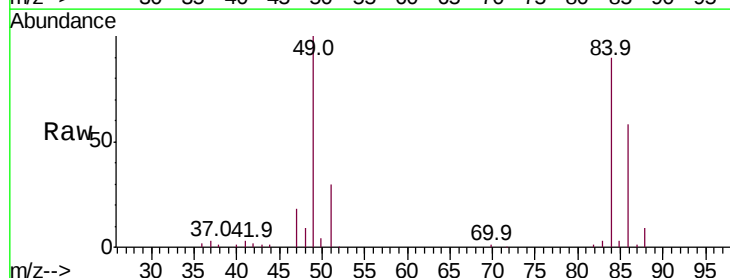
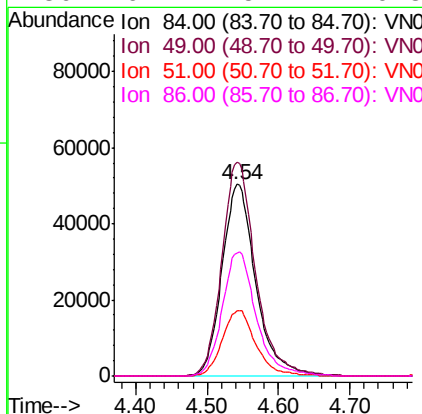
Manual Integrations
APPROVED

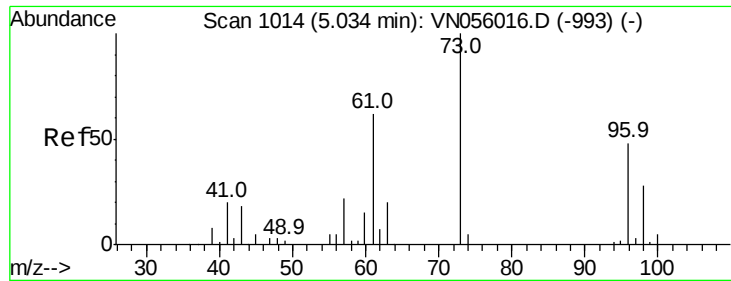
MMDadoda
6/6/2019 10:19:34 AM



#18
Methylene Chloride
Concen: 49.230 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	165839		
49	111.1		87.6	131.4
51	33.8		27.0	40.4
86	64.1		51.2	76.8





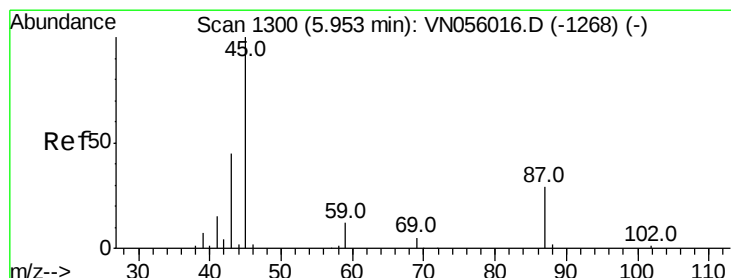
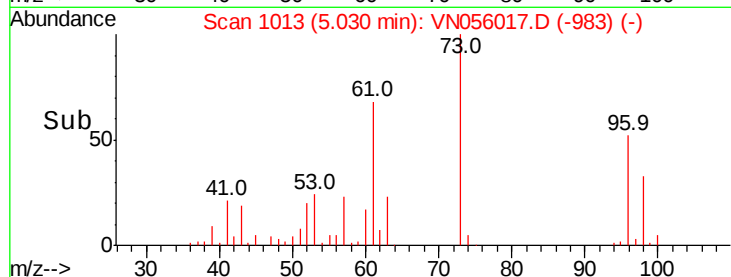
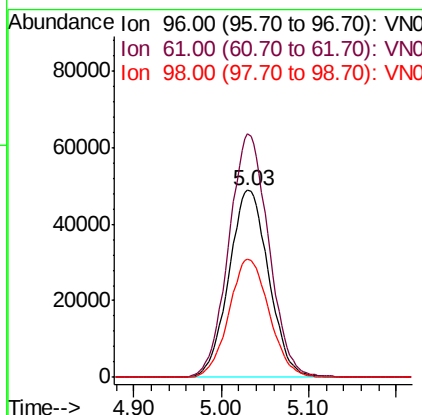
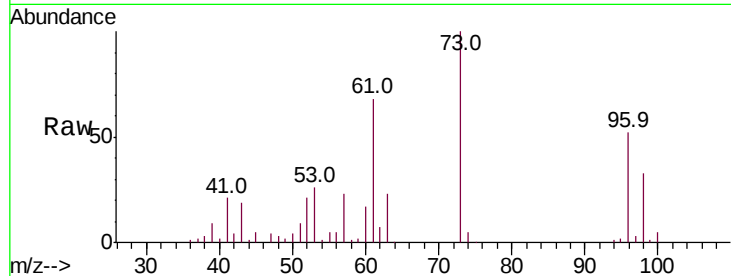
#19
trans-1,2-Dichloroethene
Concen: 48.861 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	102.5	153.7
98	63.1	46.9	70.3

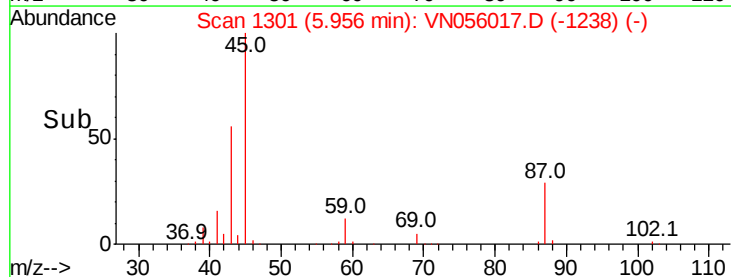
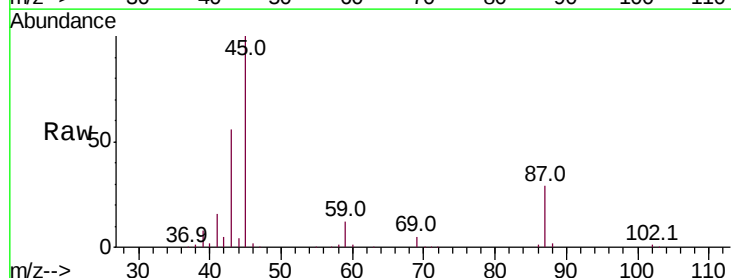
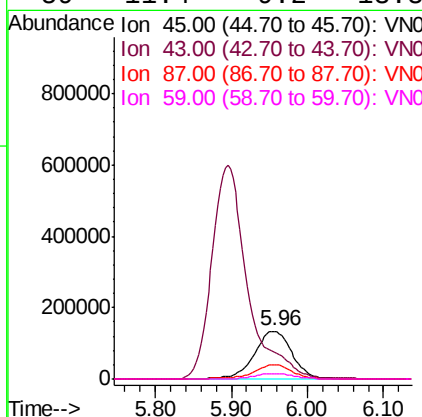
Manual Integrations
APPROVED

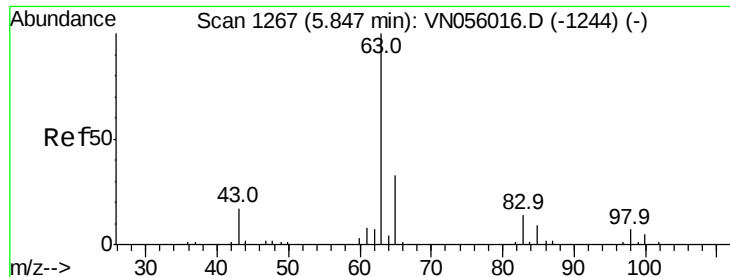
MMDadoda
6/6/2019 10:19:34 AM



#20
Diisopropyl ether
Concen: 45.618 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.1	48.0	72.0
87	28.9	23.4	35.2
59	11.4	9.2	13.8





#21

1,1-Dichloroethane

Concen: 46.944 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

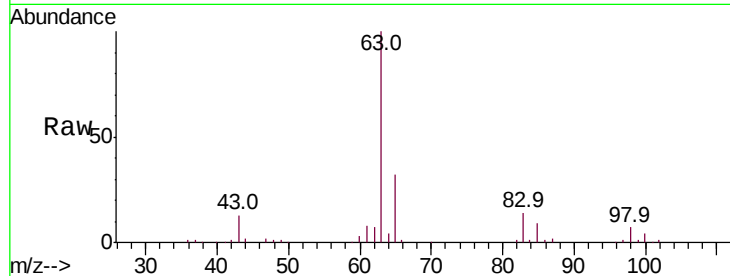
ClientSampleId :

VSTDIC050

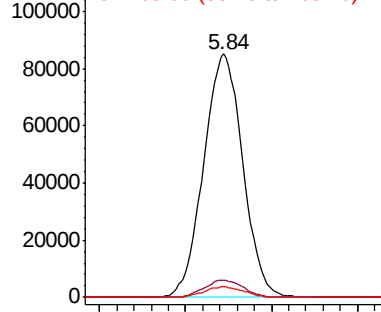
Tot Ion:	63	Resp:	268991
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.5	10.5
100	4.2	2.3	6.9

Manual Integrations
APPROVED

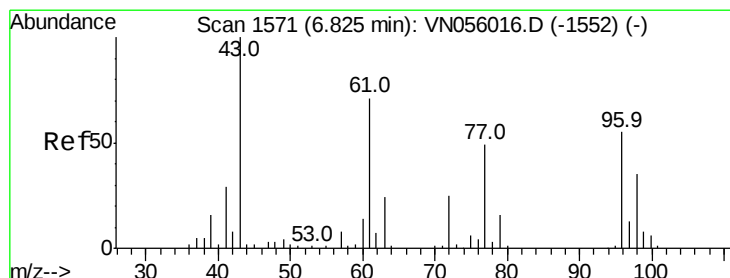
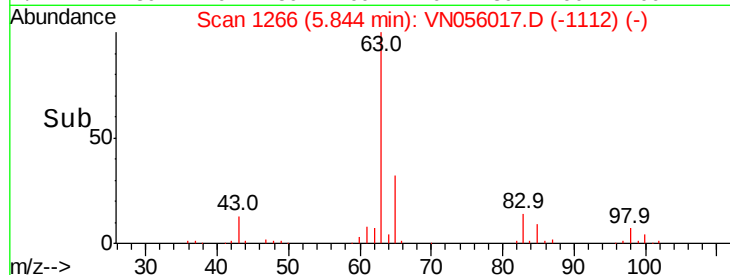
MMDadoda
6/6/2019 10:19:34 AM



Abundance Ion 63.00 (62.70 to 63.70): VN056017.D (-1112) (-)



Time-->



#22

cis-1,2-Dichloroethene

Concen: 49.236 ug/l

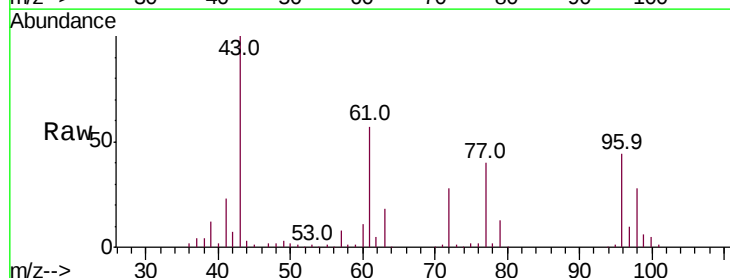
RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

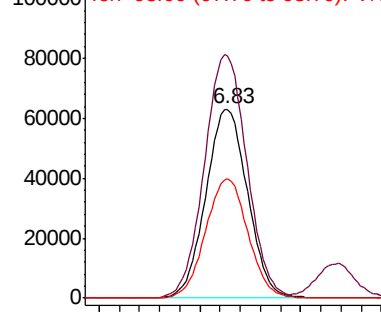
Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

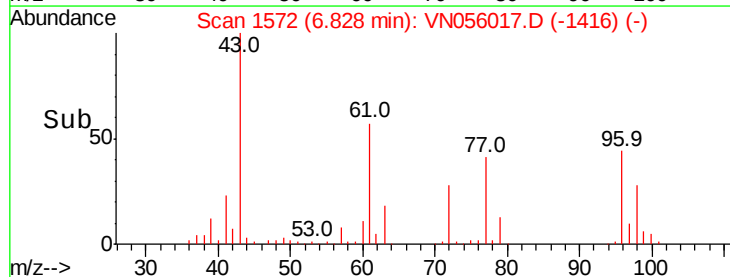
Tgt Ion:	96	Resp:	181481
Ion Ratio	Lower	Upper	
96	100		
61	131.1	105.7	158.5
98	64.1	52.0	78.0

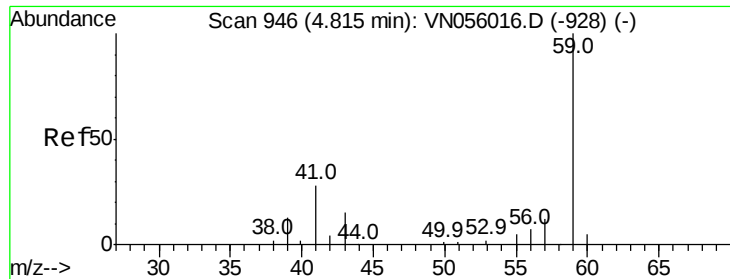


Abundance Ion 96.00 (95.70 to 96.70): VN056017.D (-1416) (-)



Time-->





#23

tert-Butyl Alcohol

Concen: 216.214 ug/l

RT: 4.81 min Scan# 946

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

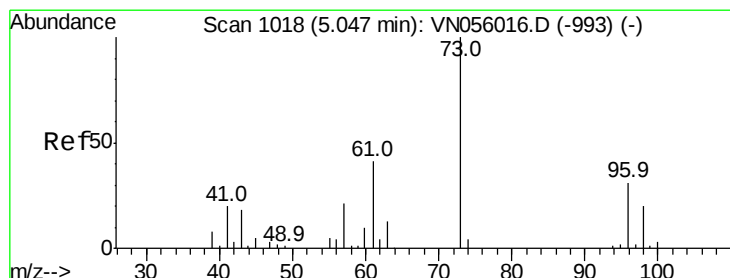
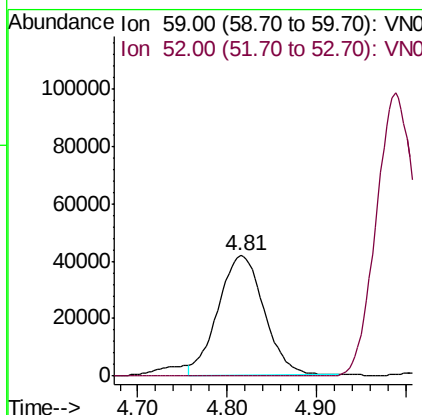
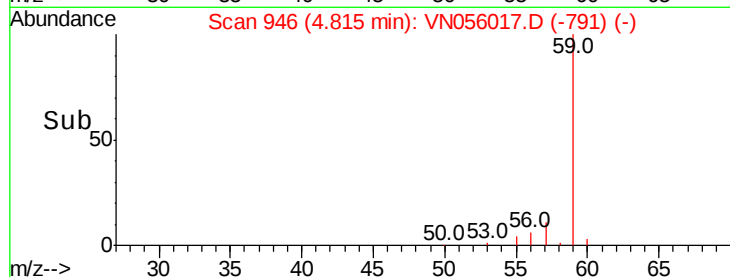
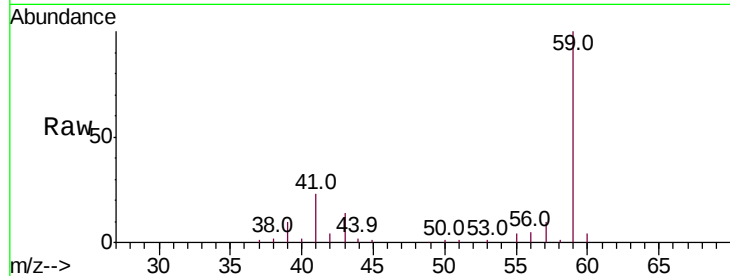
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion: 59 Resp: 149834

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
6/6/2019 10:19:34 AM



#24

Methyl tert-Butyl Ether

Concen: 46.839 ug/l

RT: 5.05 min Scan# 1018

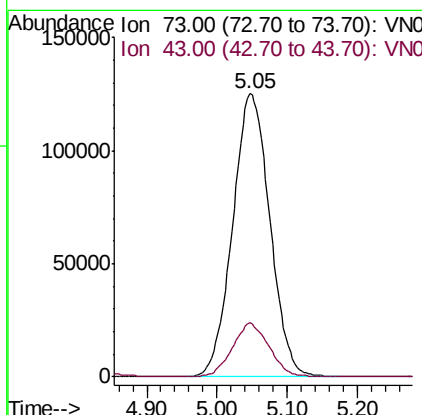
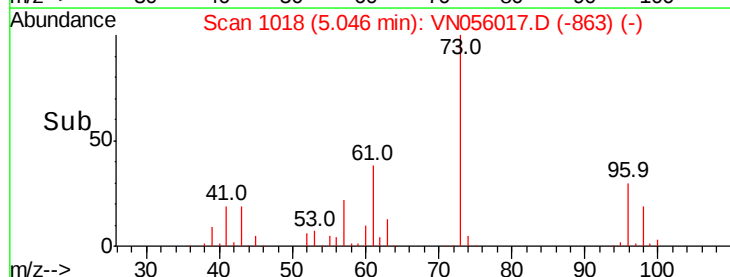
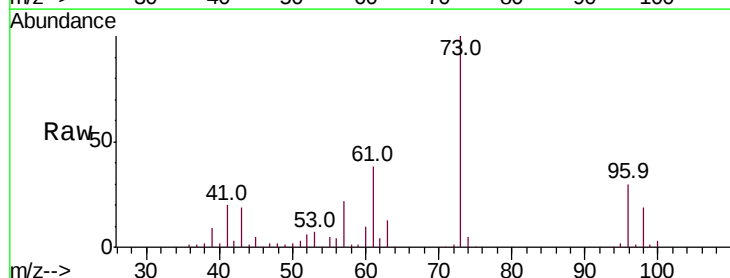
Delta R.T. -0.00 min

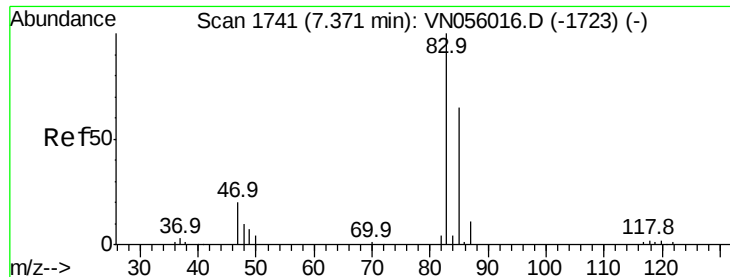
Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Tgt Ion: 73 Resp: 461006

Ion	Ratio	Lower	Upper
73	100		
43	18.4	15.4	23.0





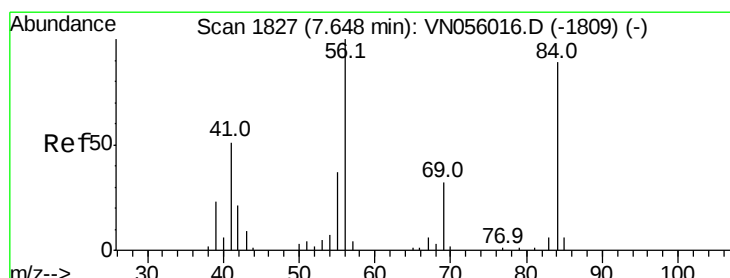
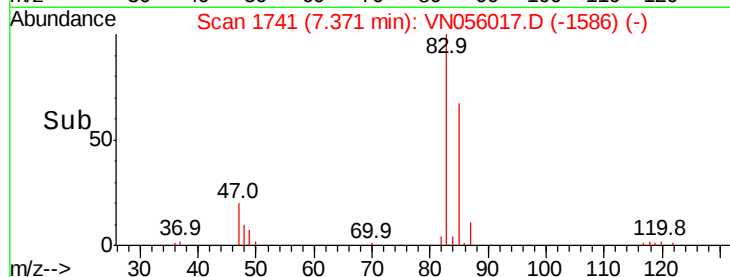
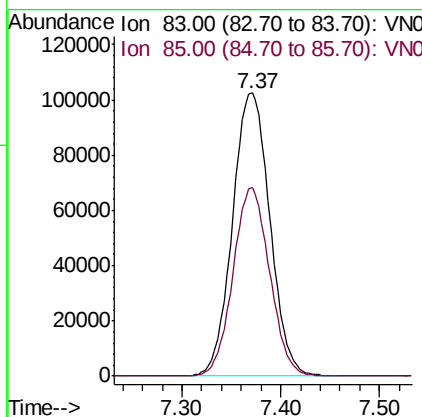
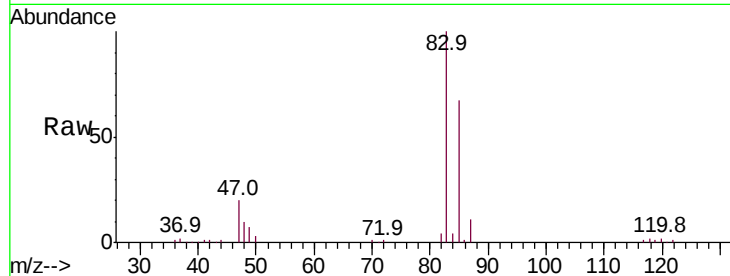
#25
Chloroform
Concen: 47.480 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	269776
Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.0	78.0

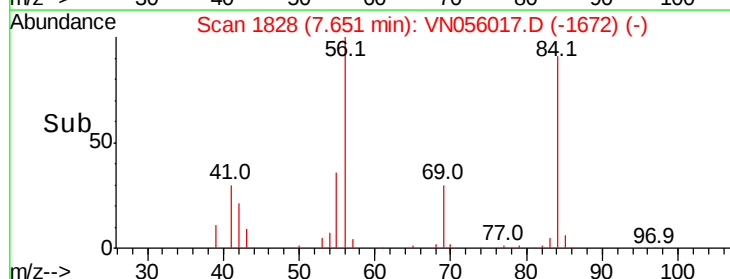
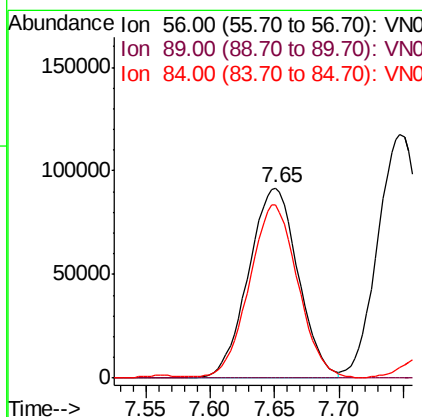
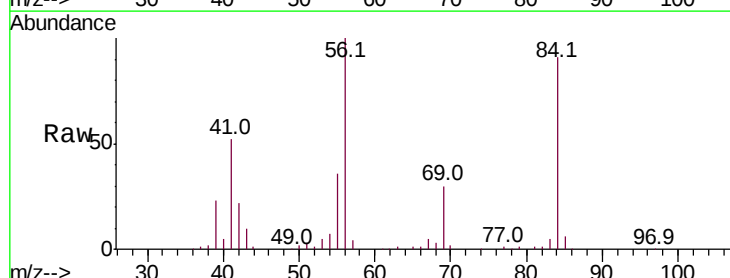
Manual Integrations
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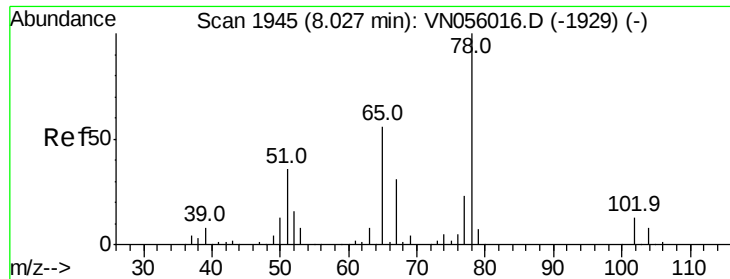
MMDadoda
6/6/2019 10:19:34 AM



#26
Cyclohexane
Concen: 46.321 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	56	Resp	245680
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	89.4	70.1	105.1





#27

1,2-Dichloroethane-d4

Concen: 28.476 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 65 Resp: 103156

Ion Ratio Lower Upper

65 100

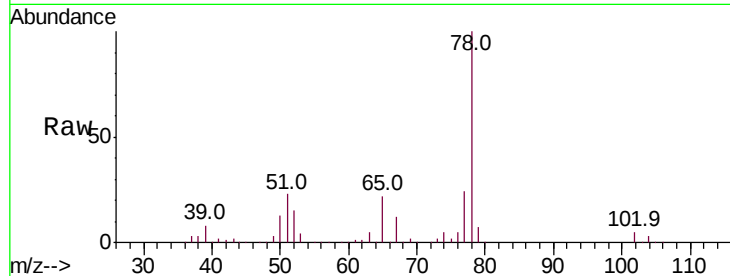
67 55.1 43.4 65.2

Manual Integrations

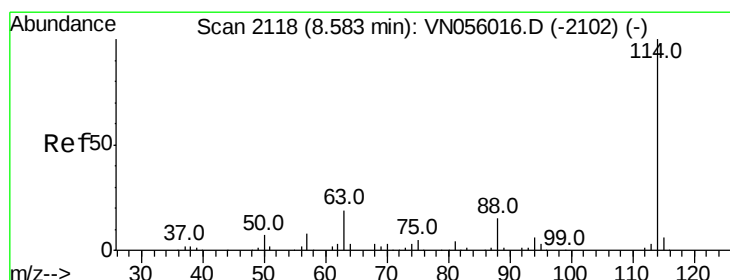
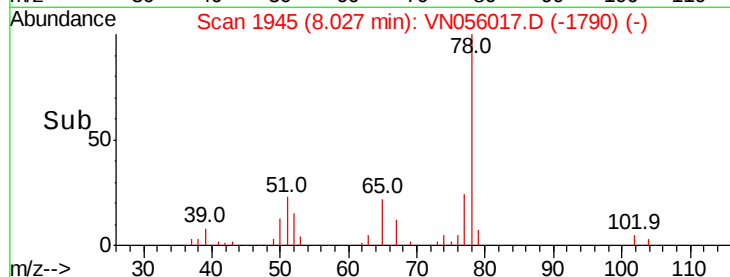
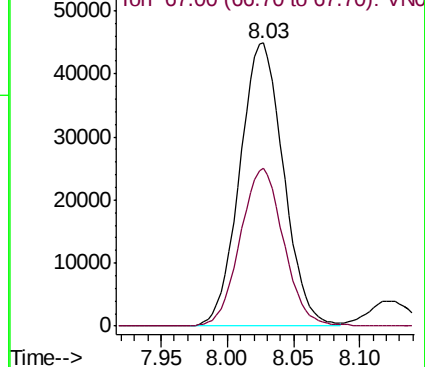
APPROVED

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6/6/2019 10:19:34 AM



Abundance Ion 65.00 (64.70 to 65.70): VN056017.D (-1790) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

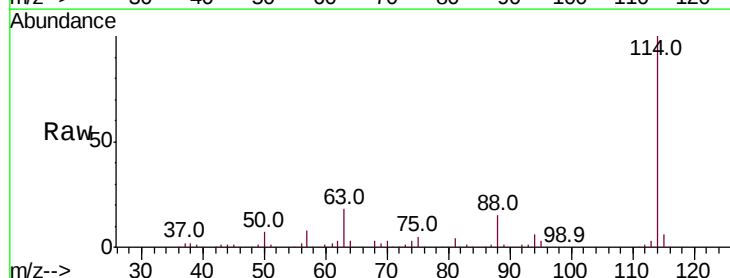
Tgt Ion: 114 Resp: 302412

Ion Ratio Lower Upper

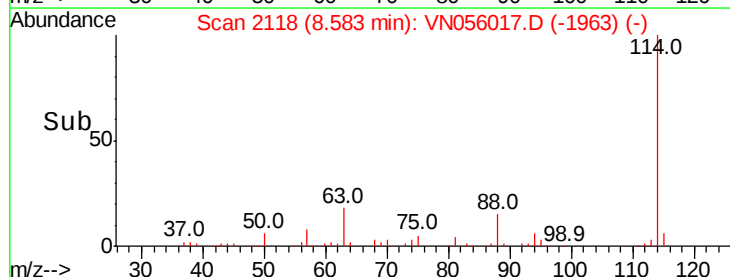
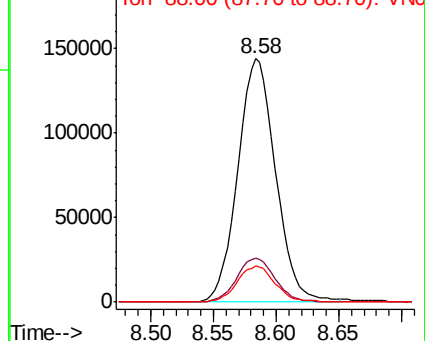
114 100

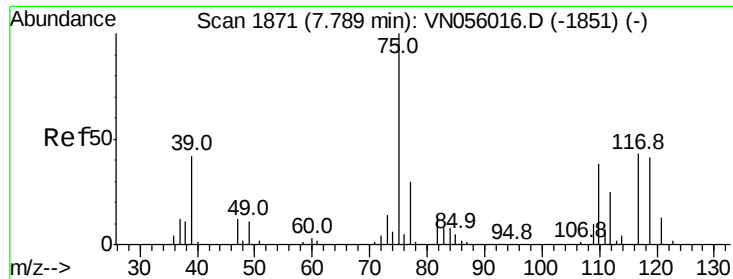
63 18.4 14.7 22.1

88 14.9 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): VN056017.D (-1963) (-)





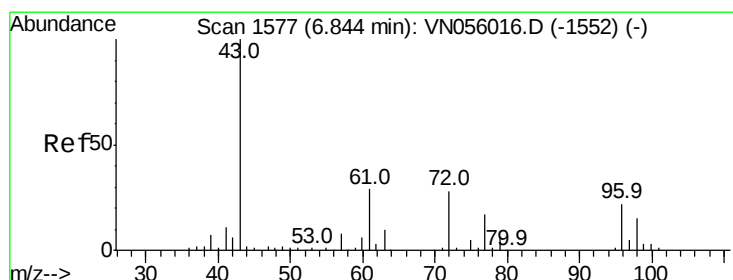
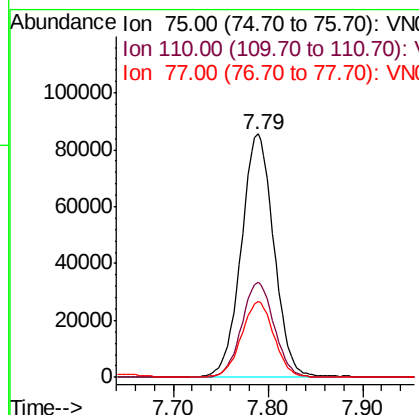
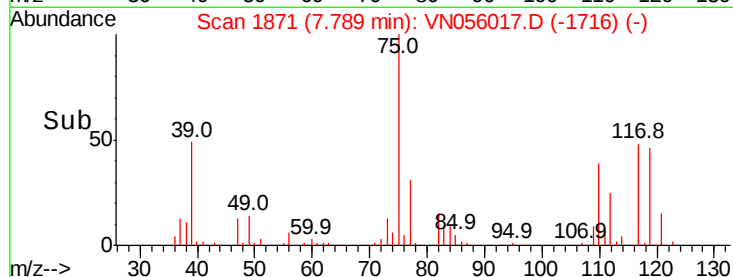
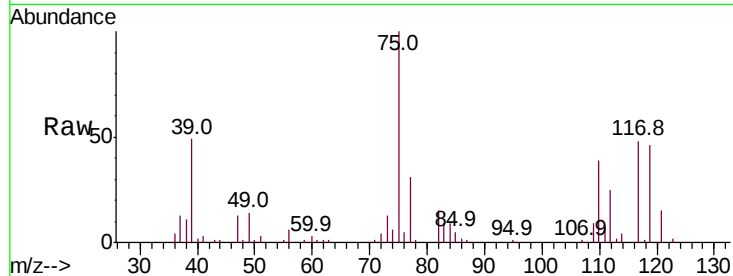
#29
 1,1-Dichloropropene
 Concen: 49.054 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.6	0.0	77.0
77	31.1	0.0	62.4

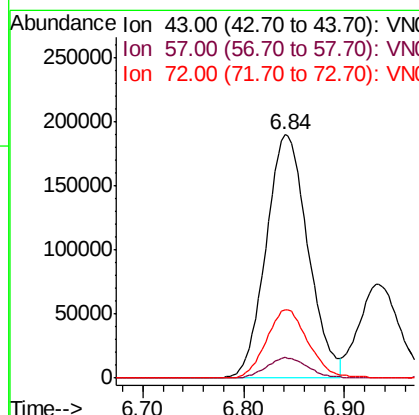
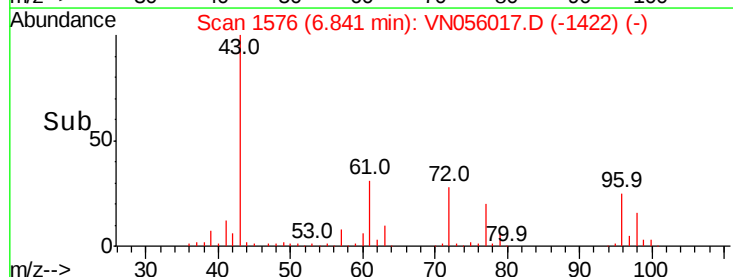
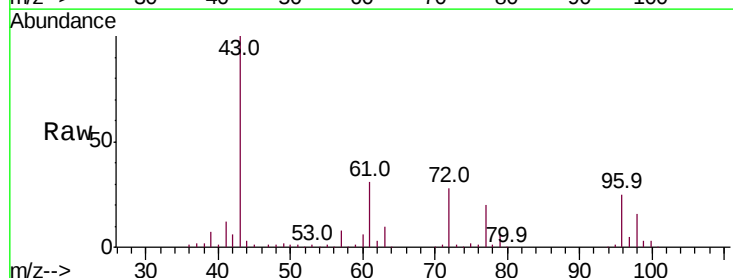
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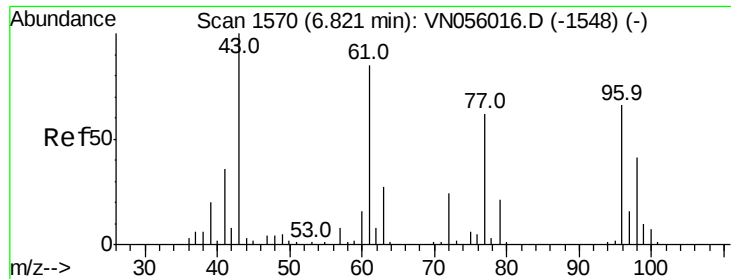
MMDadoda
 6/6/2019 10:19:34 AM



#30
 2-Butanone
 Concen: 246.241 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.7	10.1
72	28.2	22.4	33.6





#31

2,2-Dichloropropane

Concen: 40.780 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 189929

Ion Ratio Lower Upper

77 100

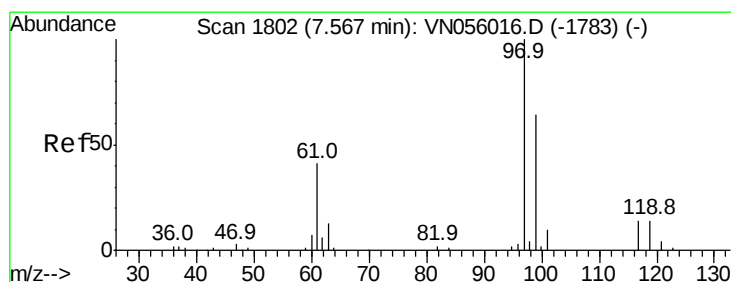
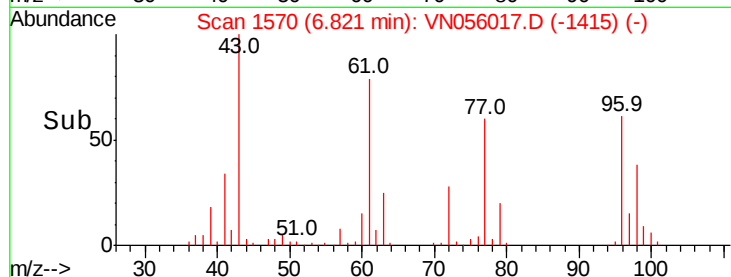
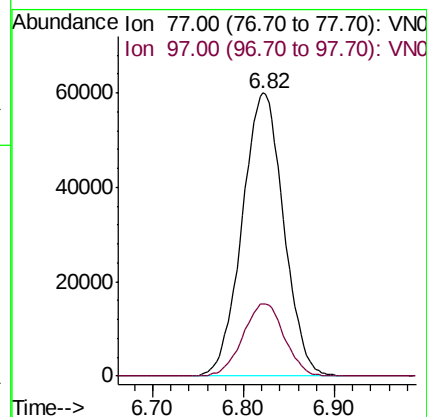
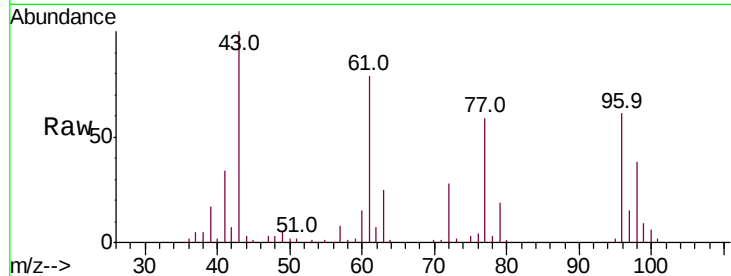
97 25.5 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

6/6/2019 10:19:34 AM



#32

1,1,1-Trichloroethane

Concen: 46.248 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

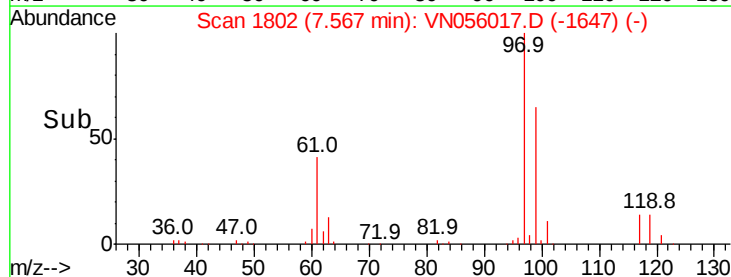
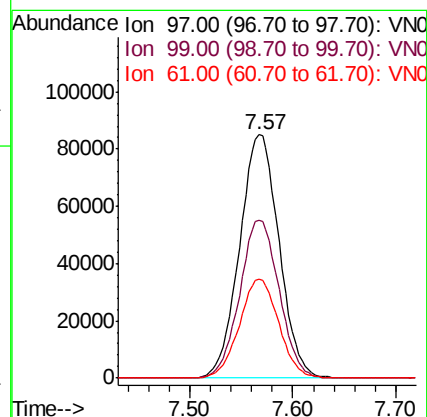
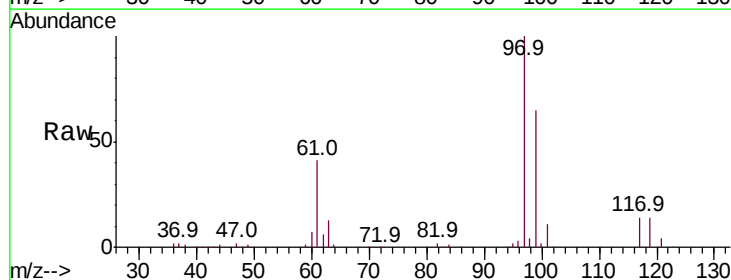
Tgt Ion: 97 Resp: 226312

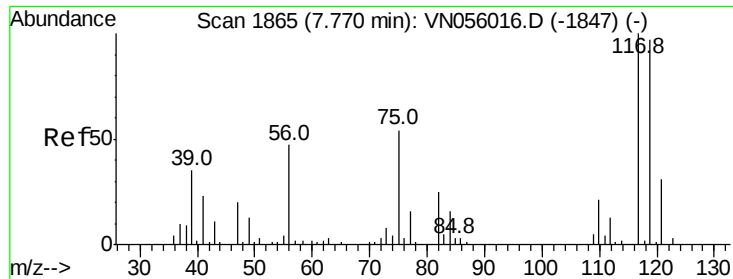
Ion Ratio Lower Upper

97 100

99 64.9 51.5 77.3

61 40.7 32.9 49.3





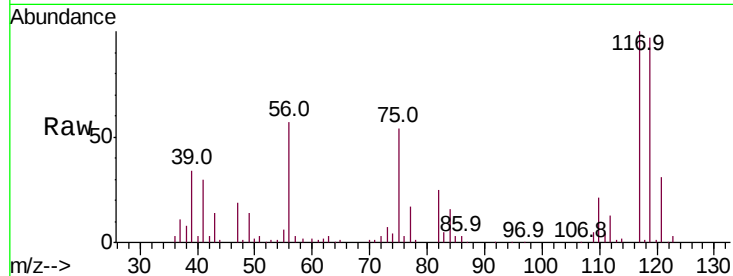
#33
Carbon Tetrachloride
Concen: 44.420 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.3	115.9
121	31.0	25.0	37.4

Manual Integrations
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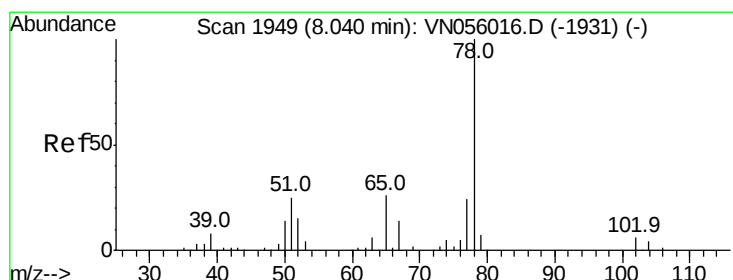
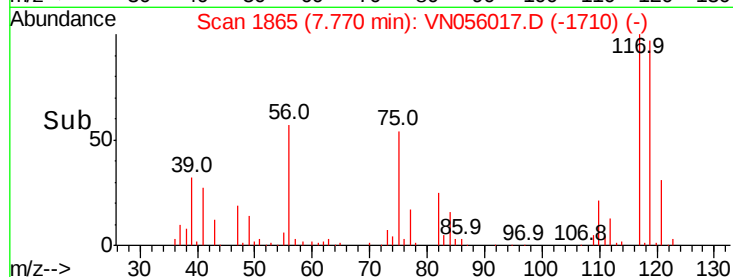
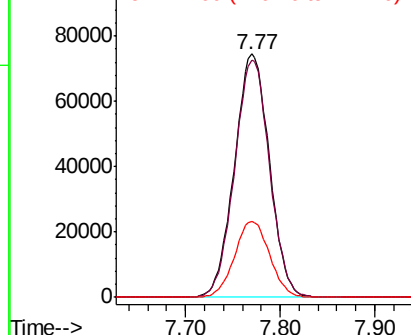


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 50.302 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

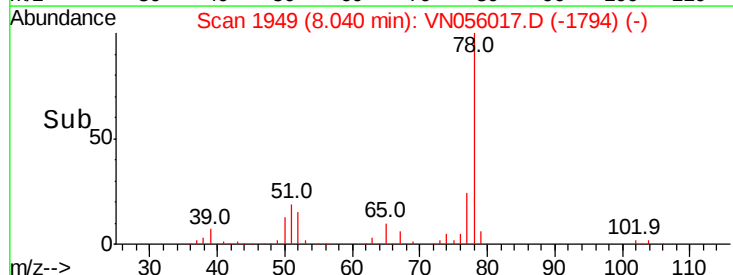
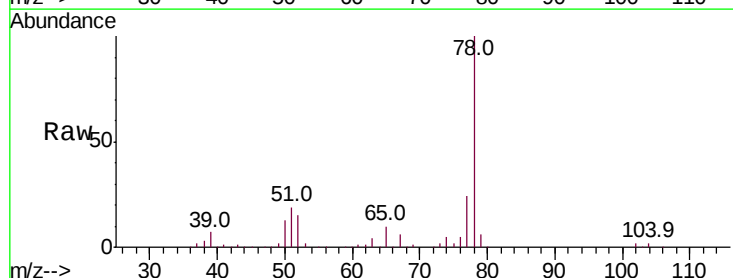
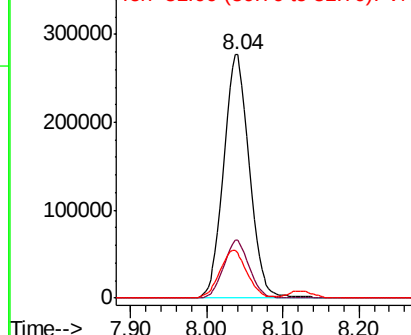
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9
51	18.6	19.8	29.8#

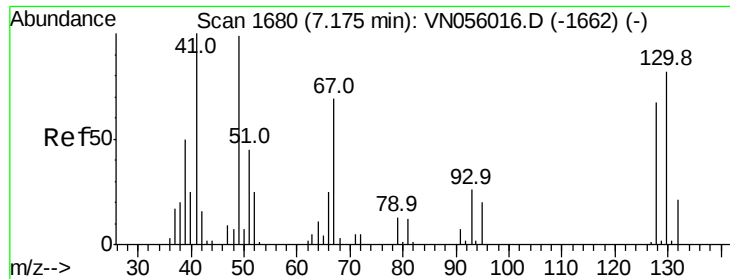
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





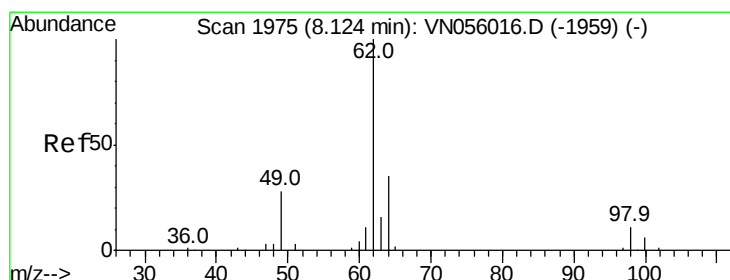
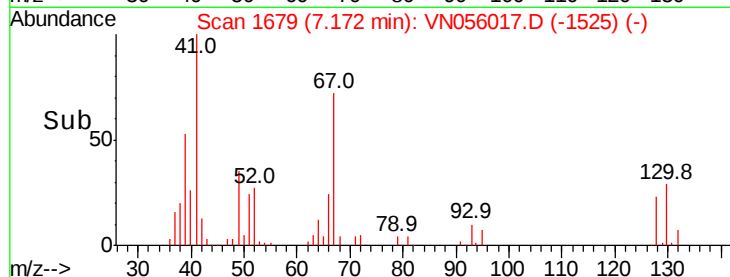
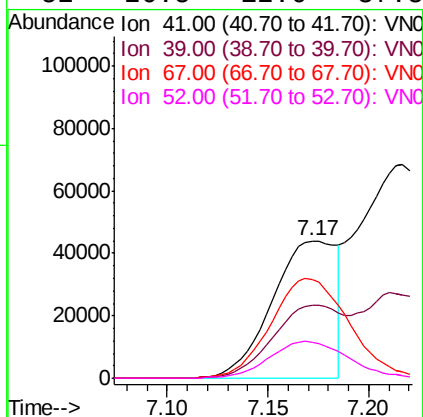
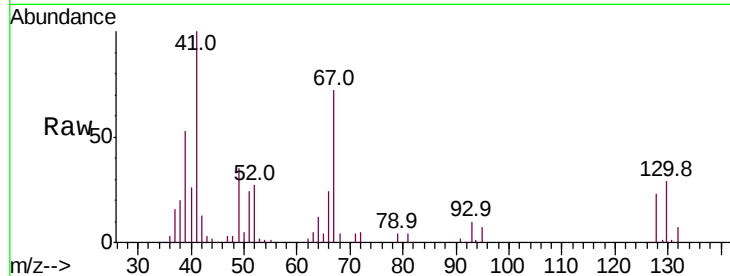
#35
Methacrylonitrile
Concen: 47.003 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.4	24.8	74.3
67	72.2	34.3	102.9
52	26.5	12.6	37.8

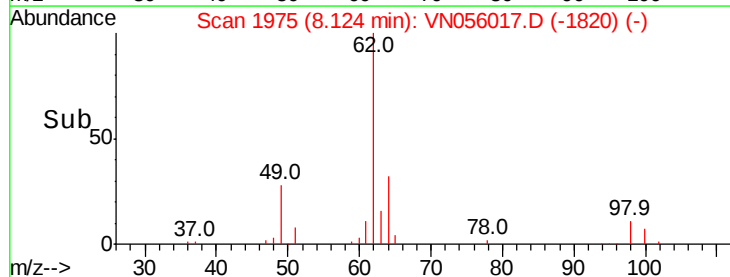
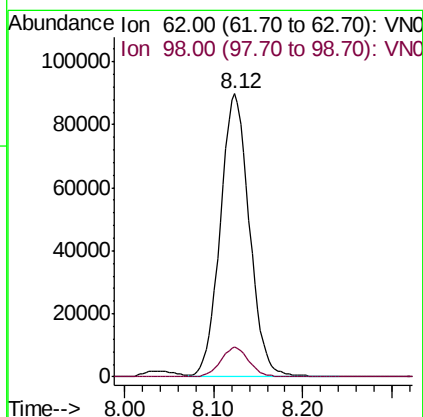
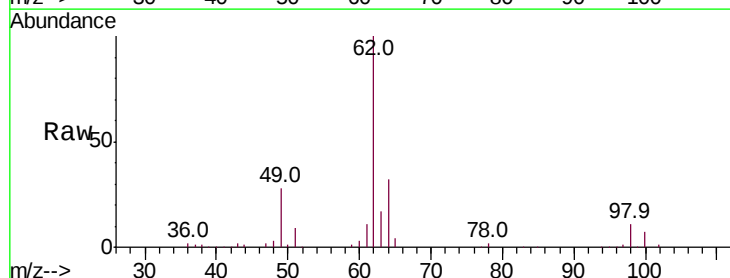
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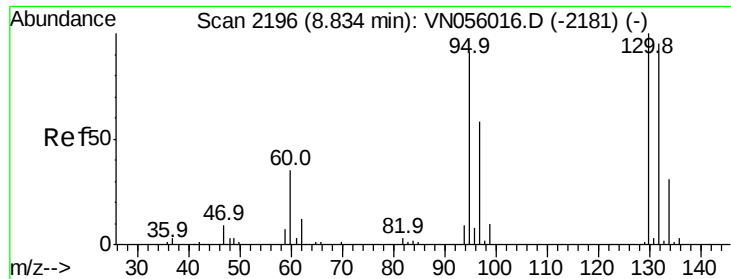
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#36
1,2-Dichloroethane
Concen: 48.258 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.6	13.0





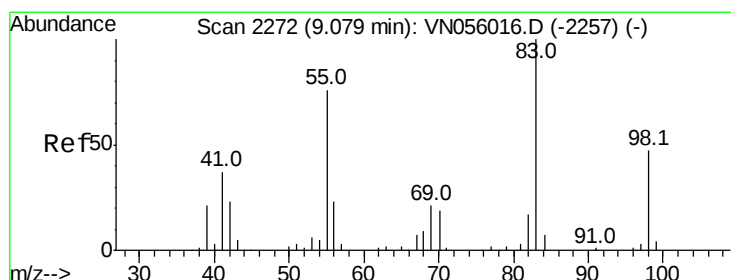
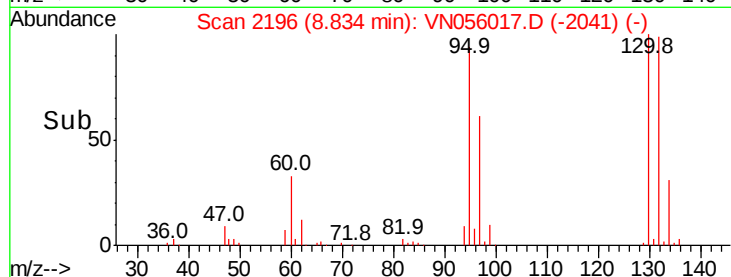
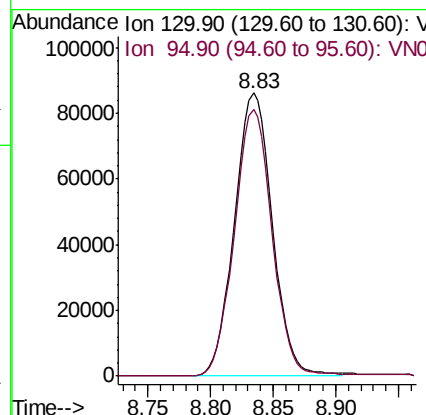
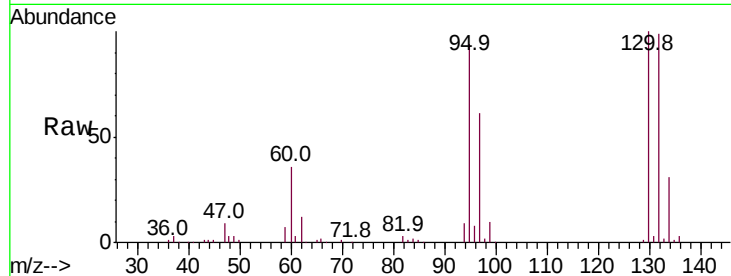
#37
 Trichloroethene
 Concen: 49.684 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 181076
 Ion Ratio Lower Upper
 130 100
 95 94.0 73.0 109.6

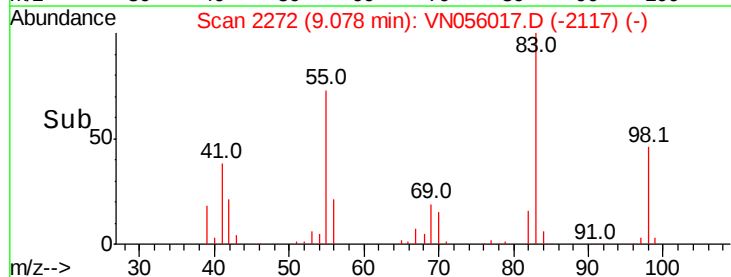
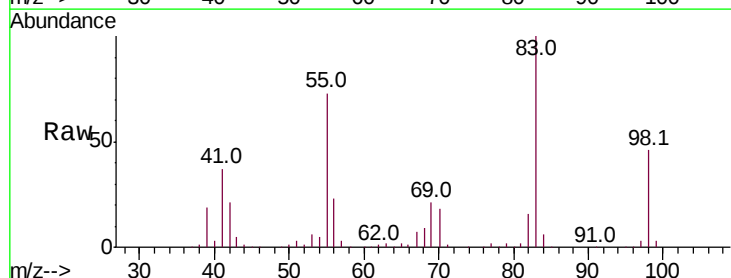
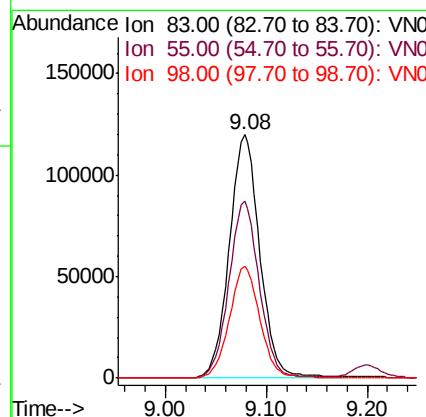
Manual Integrations
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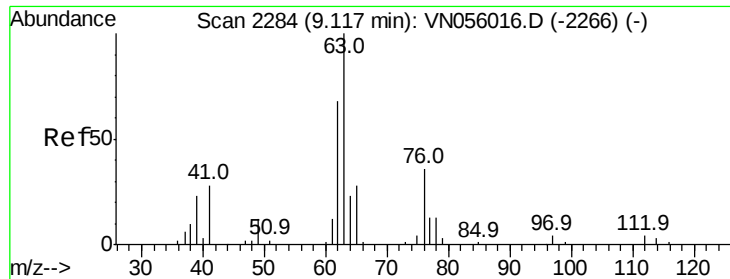
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 6/6/2019 10:19:34 AM



#38
 Methylcyclohexane
 Concen: 47.718 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion: 83 Resp: 253104
 Ion Ratio Lower Upper
 83 100
 55 72.6 37.5 112.7
 98 45.8 23.1 69.3





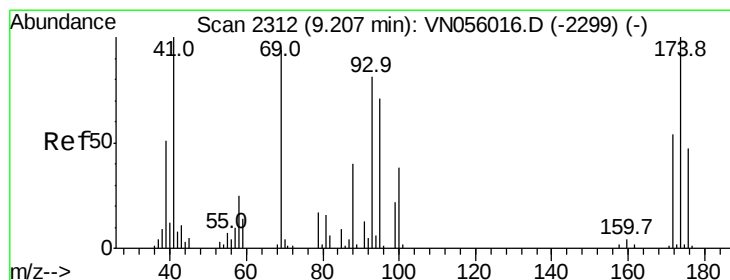
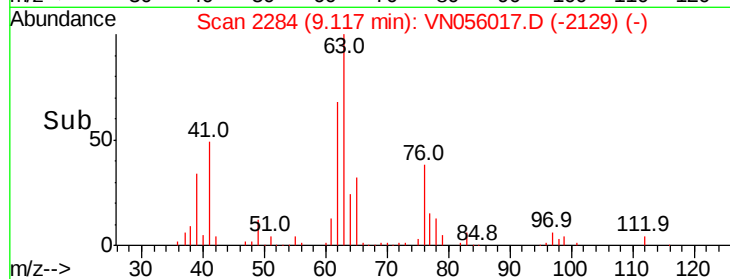
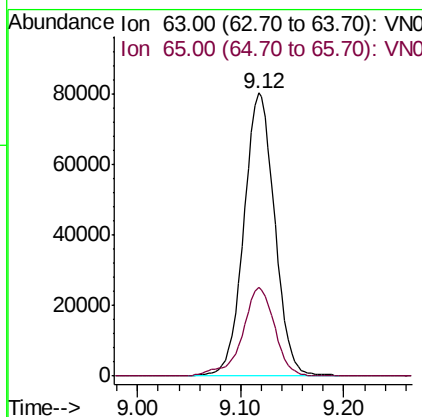
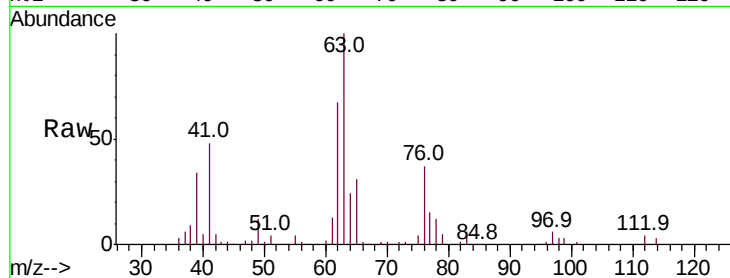
#39
 1,2-Dichloropropane
 Concen: 48.036 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	63	Ratio	100	Resp	166758
Ion	63	100		Lower	Upper
	65	31.3		23.1	34.7

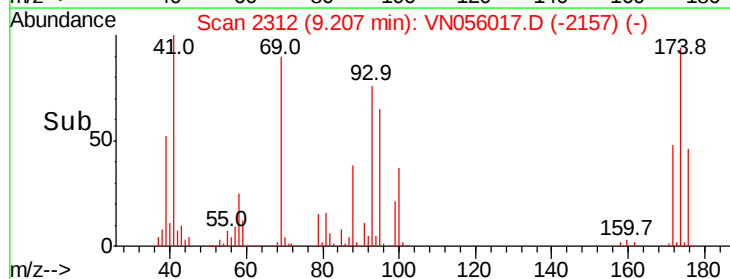
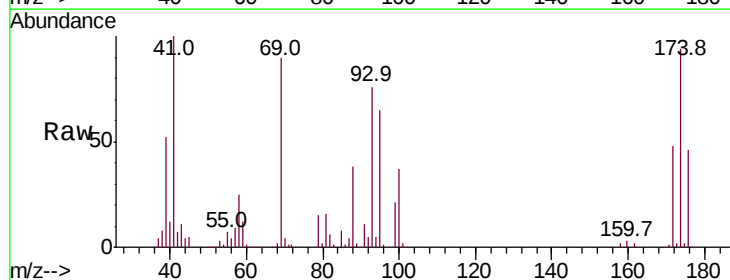
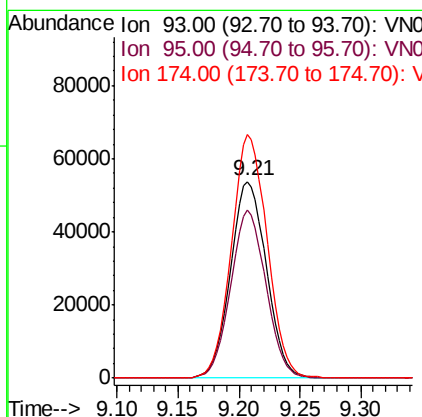
Manual Integrations
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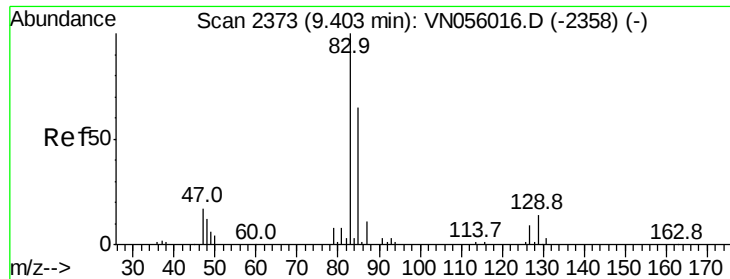
MMDadoda
 6/6/2019 10:19:34 AM



#40
 Dibromomethane
 Concen: 48.877 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion	93	Ratio	100	Resp	110240
Ion	93	100		Lower	Upper
	95	83.9		0.0	169.0
	174	122.5		0.0	246.4





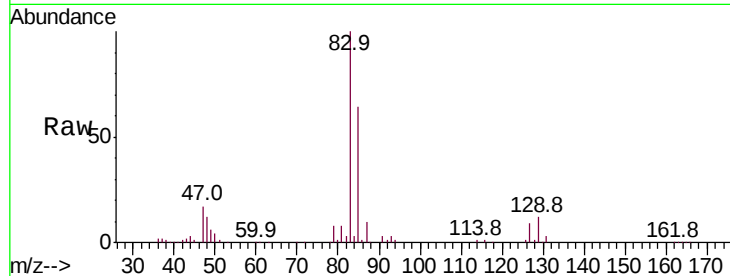
#41
Bromodichloromethane
Concen: 44.987 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

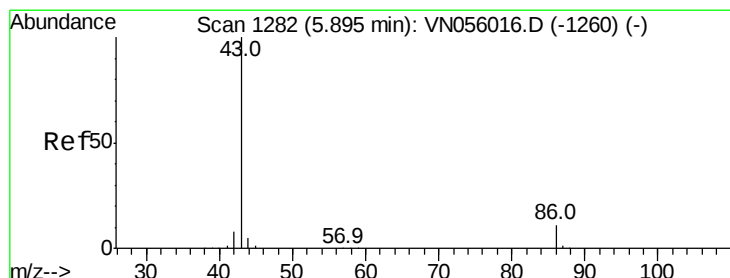
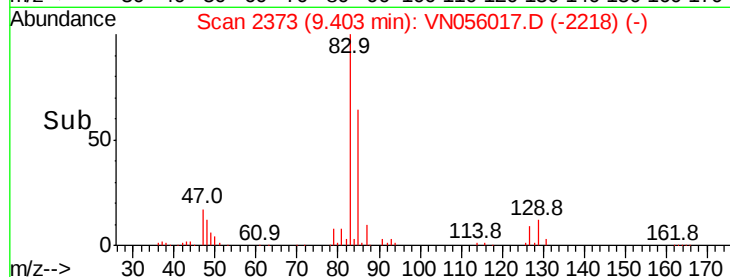
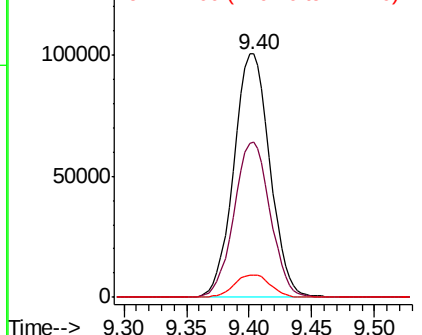
Tot Ion	83	Resp	201206
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	9.3	7.3	10.9

Manual Integrations
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MMDadoda
6/6/2019 10:19:34 AM

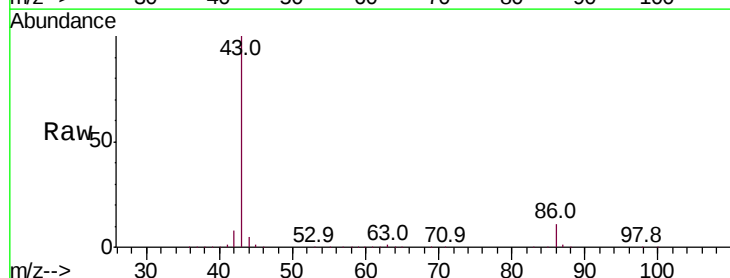


Abundance Ion 83.00 (82.70 to 83.70): VN056017.D (-2218) (-)
Ion 85.00 (84.70 to 85.70): VN056017.D (-2218) (-)
Ion 127.00 (126.70 to 127.70): VN056017.D (-2218) (-)

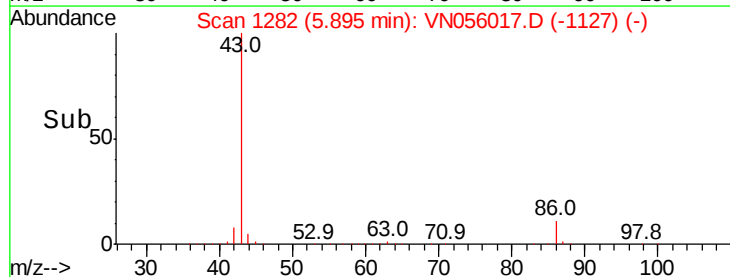
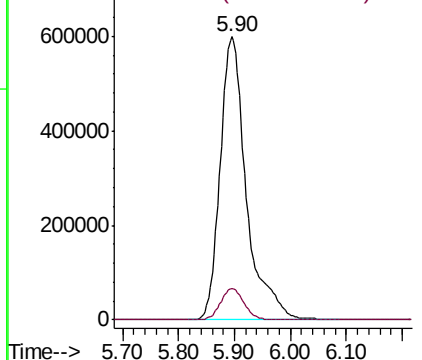


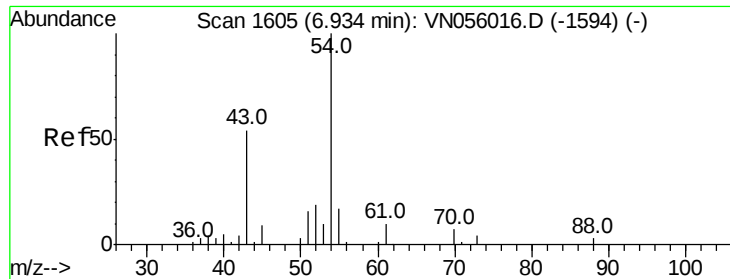
#42
Vinyl Acetate
Concen: 230.902 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	43	Resp	1959068
Ion Ratio	100	Lower	Upper
43	100		
86	10.0	7.9	11.9



Abundance Ion 43.00 (42.70 to 43.70): VN056017.D (-1127) (-)
Ion 86.00 (85.70 to 86.70): VN056017.D (-1127) (-)





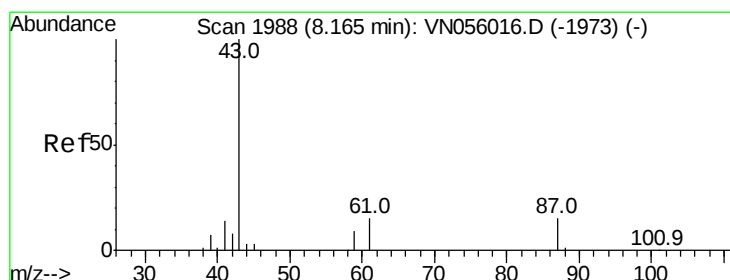
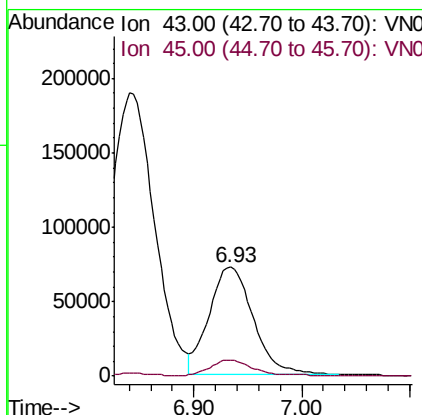
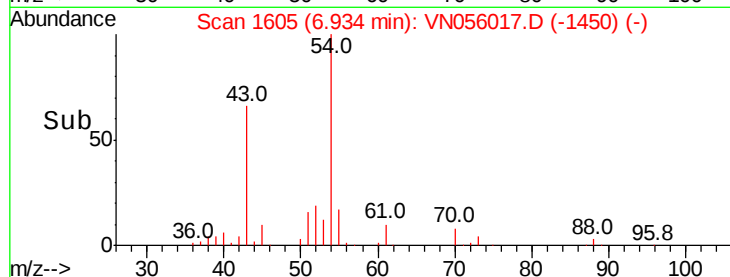
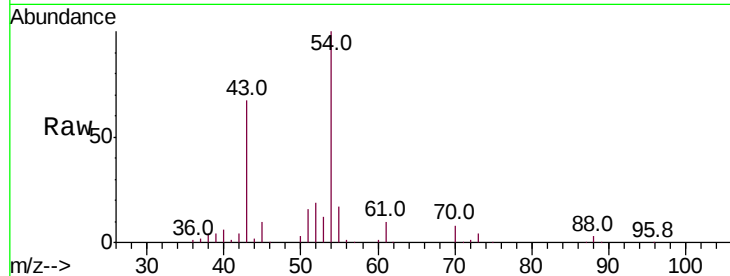
#43
Ethyl Acetate
Concen: 47.492 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion: 43 Resp: 206166
Ion Ratio Lower Upper
43 100
45 15.6 12.3 18.5

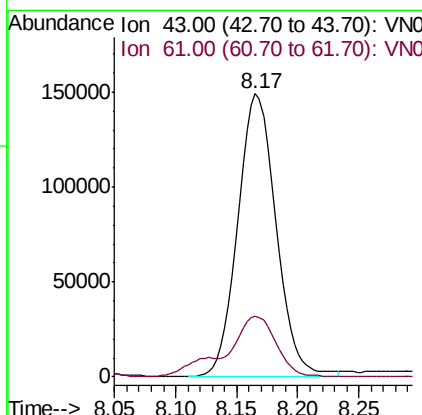
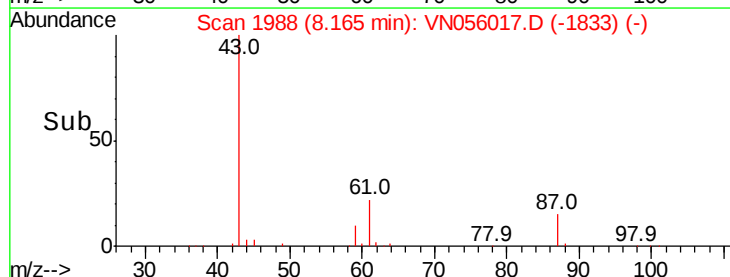
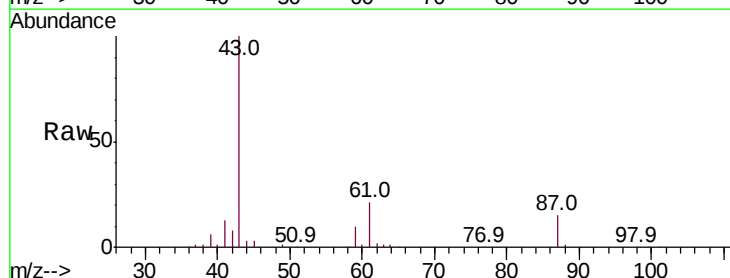
Manual Integrations
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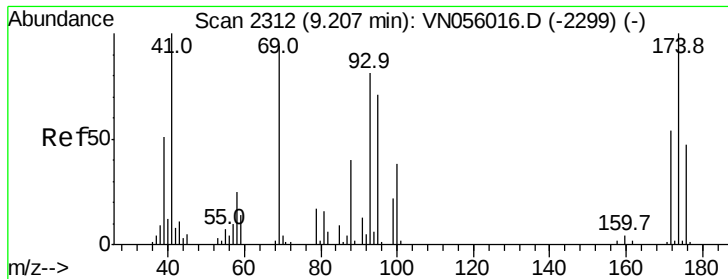
MMDadoda
6/6/2019 10:19:34 AM



#44
Isopropyl Acetate
Concen: 45.558 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion: 43 Resp: 323183
Ion Ratio Lower Upper
43 100
61 21.8 16.9 25.3





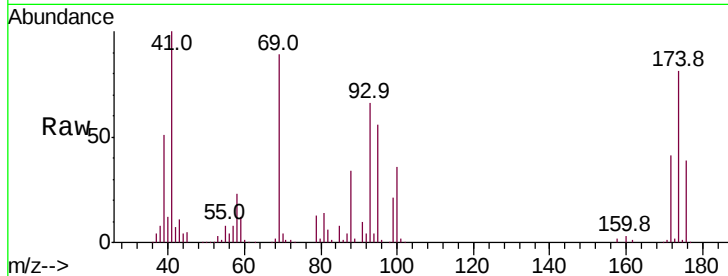
#45
 1,4-Dioxane
 Concen: 1005.959 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.9	19.8	29.6
58	61.8	48.5	72.7

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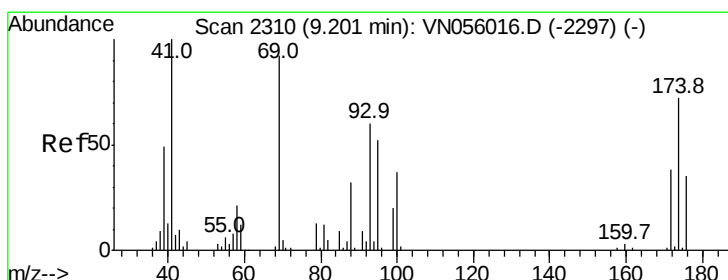
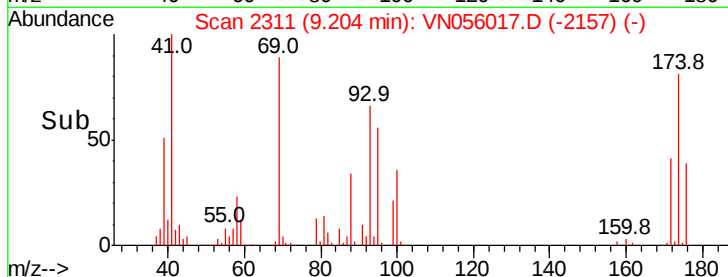
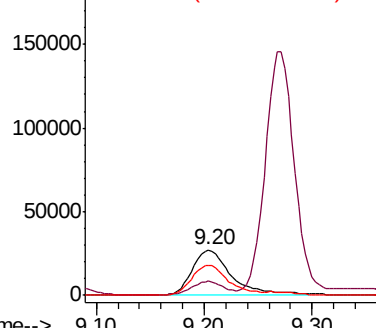


Abundance

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: 48.127 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

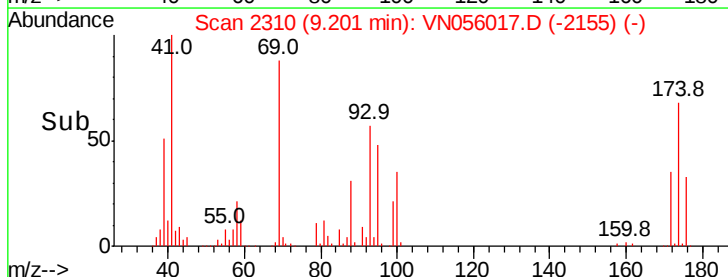
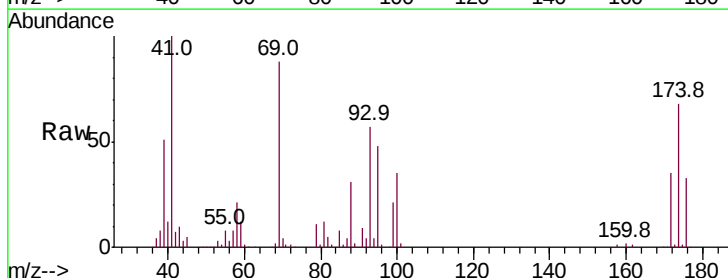
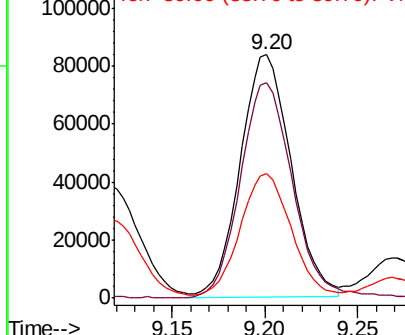
Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.6	46.0	137.8
39	50.7	24.6	73.8

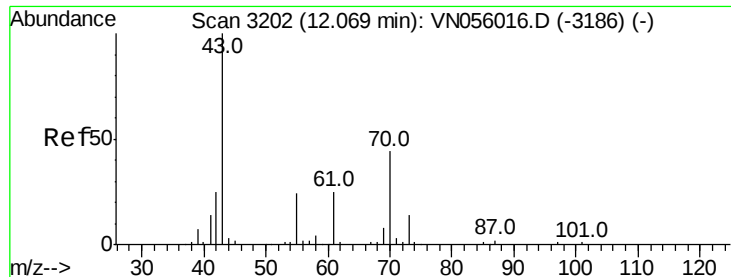
Abundance

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: 46.596 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 43 Resp: 272512

Ion Ratio Lower Upper

43 100

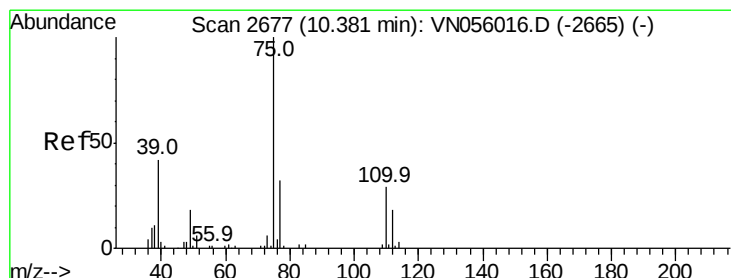
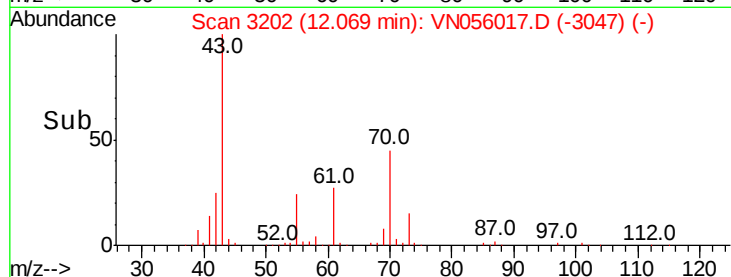
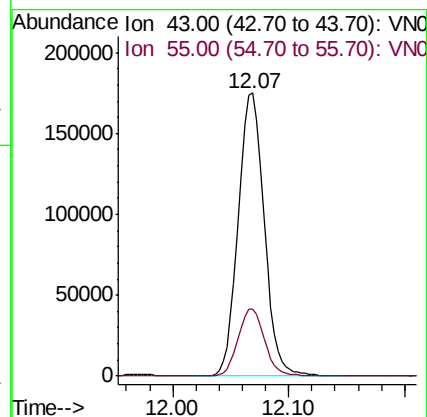
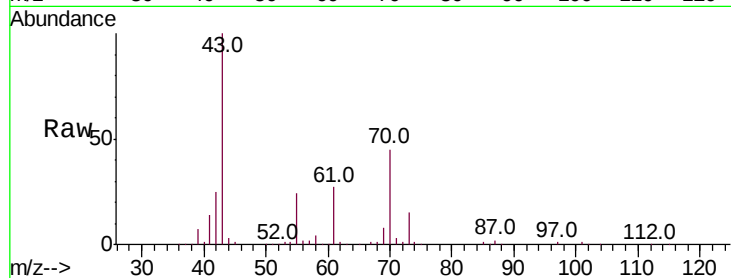
55 24.1 19.0 28.6

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 44.038 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056017.D

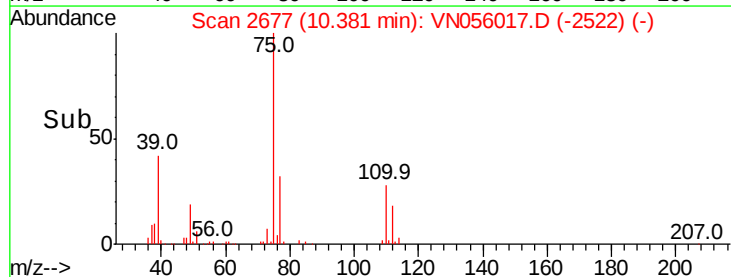
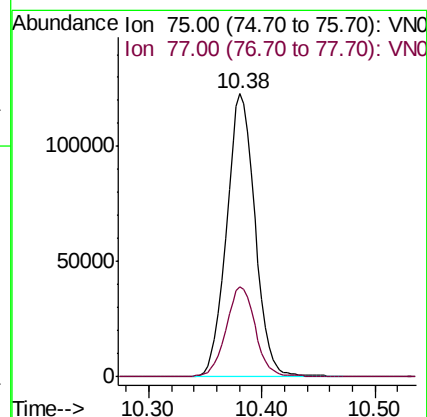
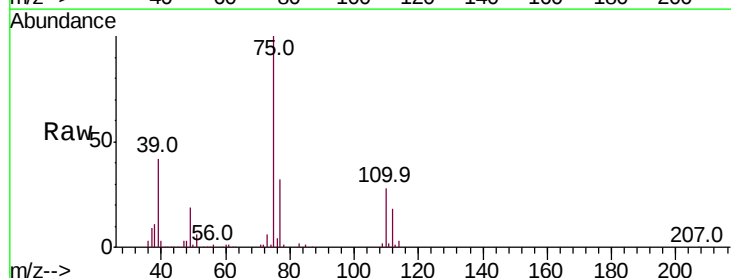
Acq: 5 Jun 2019 19:43

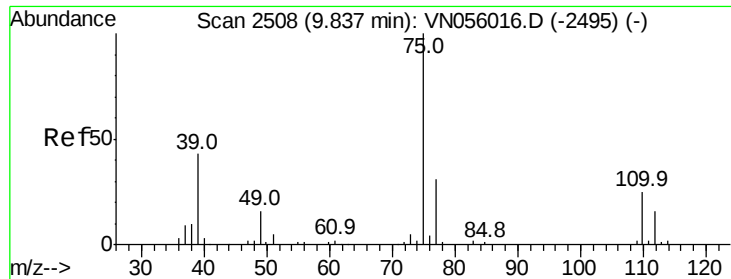
Tgt Ion: 75 Resp: 215008

Ion Ratio Lower Upper

75 100

77 31.7 26.0 39.0





#49

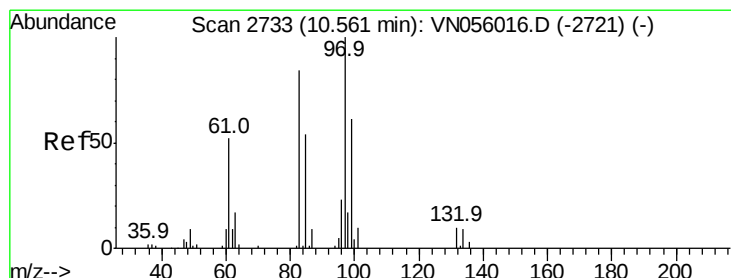
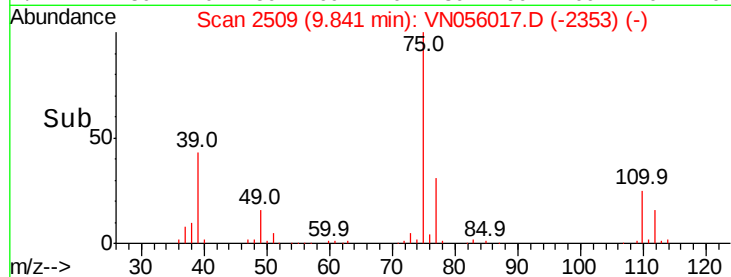
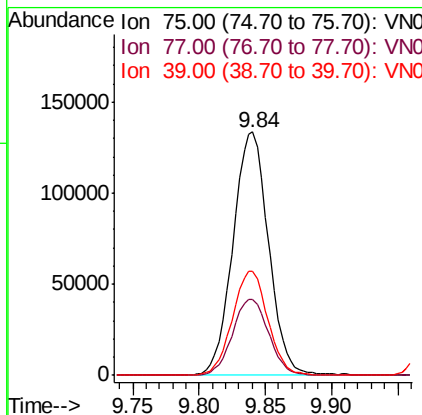
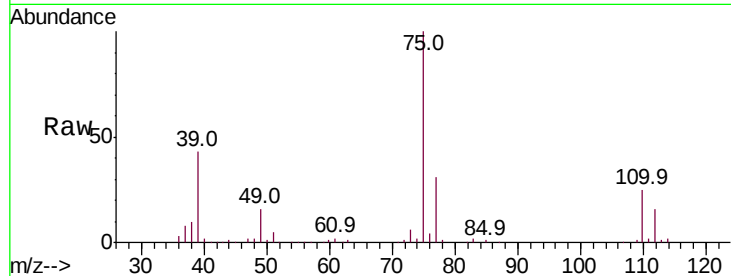
cis-1,3-Dichloropropene
Concen: 45.869 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	42.7	34.3	51.5

Manual Integrations
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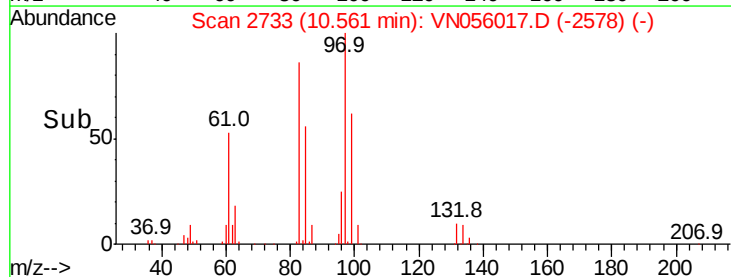
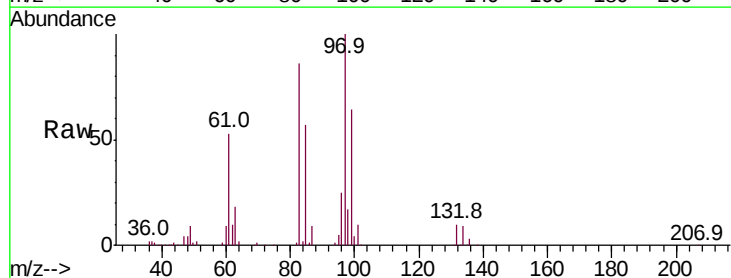
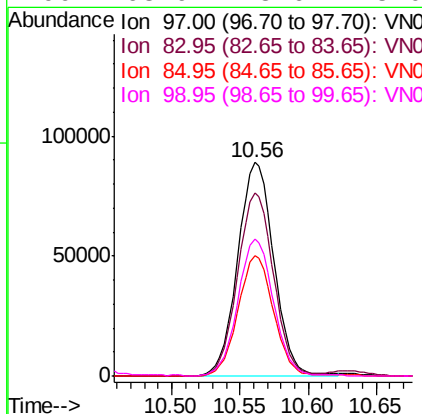
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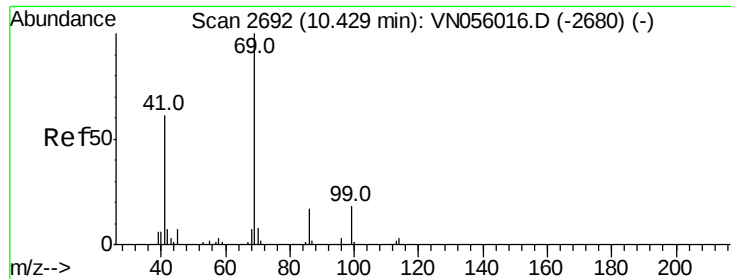


#50

1,1,2-Trichloroethane
Concen: 49.895 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.9	100.3
85	56.6	43.3	64.9
99	63.9	48.6	73.0





#51

Ethyl methacrylate

Concen: 48.366 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

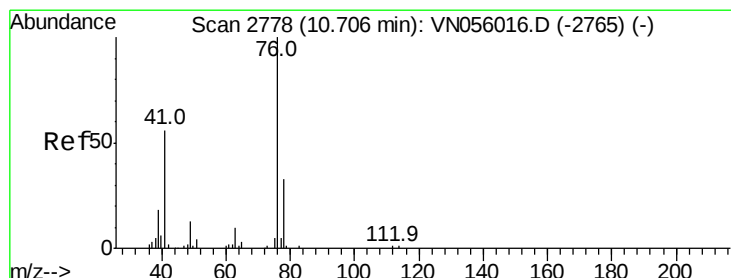
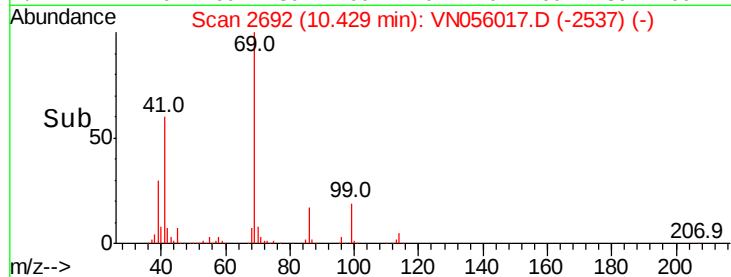
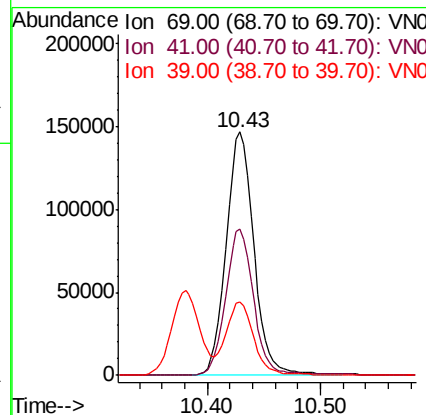
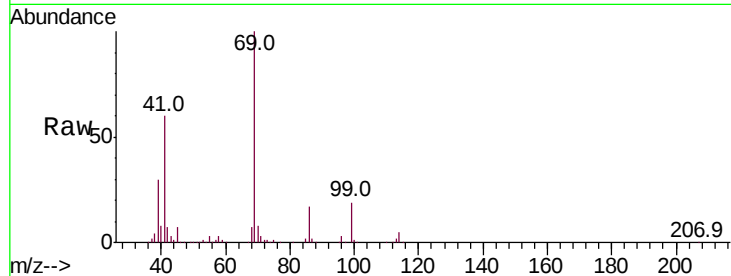
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	251509
Ion	Ratio	Lower	Upper
69	100		
41	59.7	30.8	92.3
39	29.9	14.5	43.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 49.606 ug/l

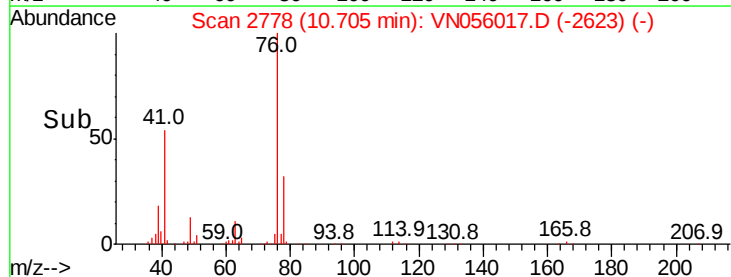
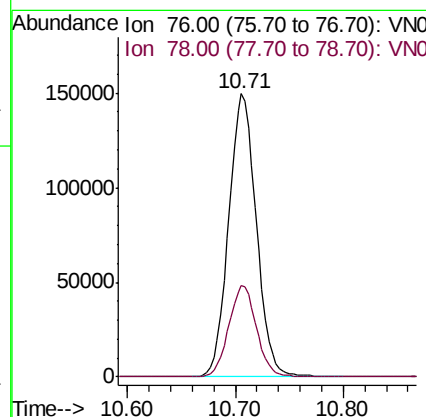
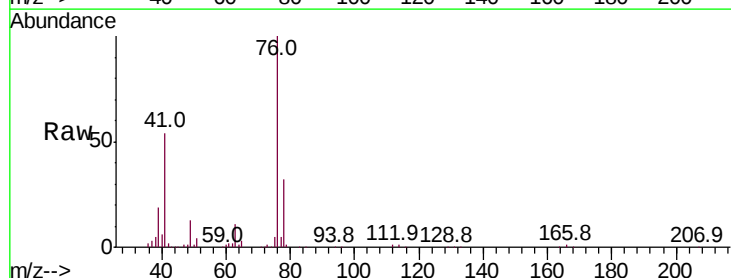
RT: 10.71 min Scan# 2778

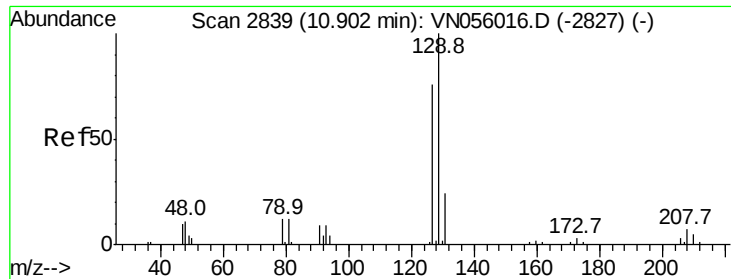
Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Tgt Ion:	76	Resp:	267600
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.4





#53

Dibromochloromethane

Concen: 44.845 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion:129 Resp: 166531

Ion Ratio Lower Upper

129 100

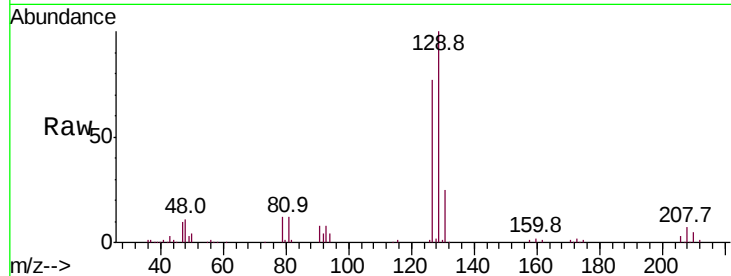
127 76.6 39.1 117.5

Manual Integrations

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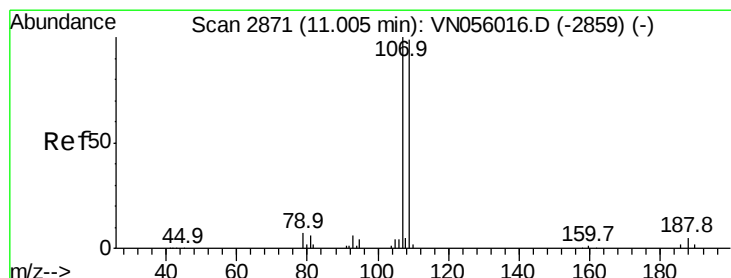
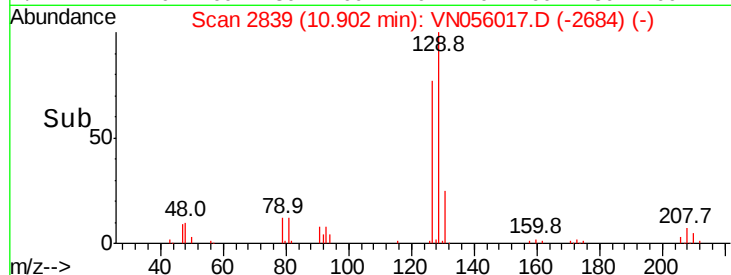
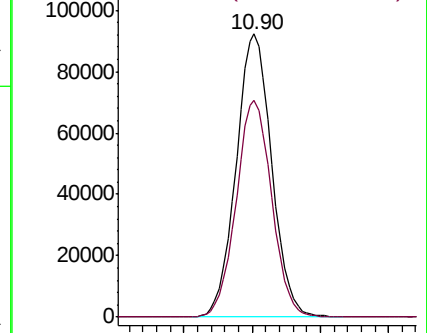
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 51.189 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056017.D

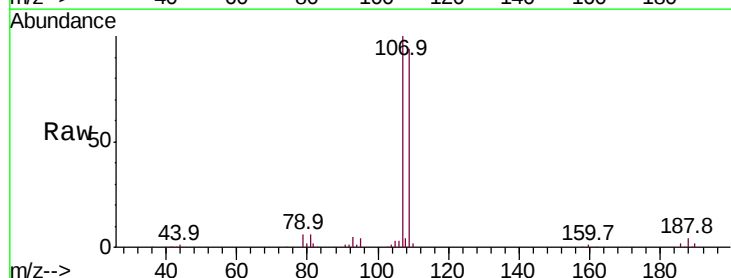
Acq: 5 Jun 2019 19:43

Tgt Ion:107 Resp: 173928

Ion Ratio Lower Upper

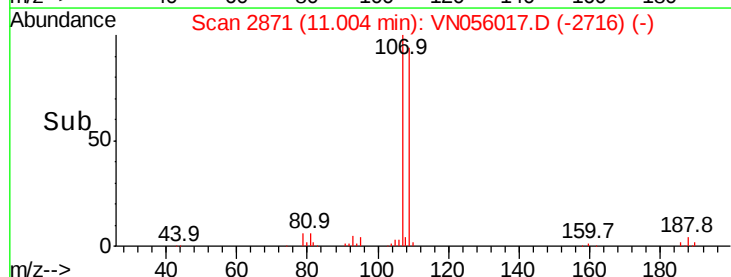
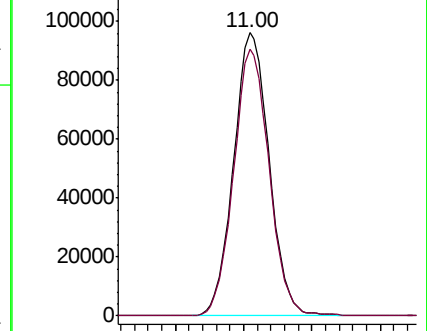
107 100

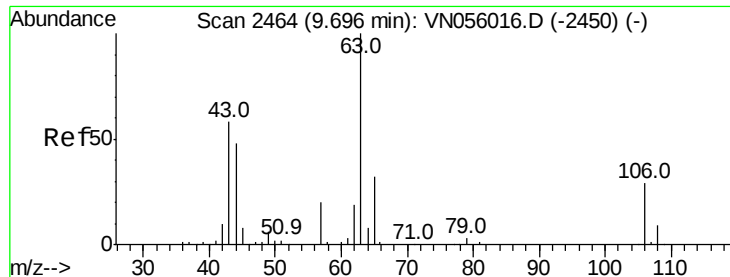
109 94.4 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 221.756 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 440140

Ion Ratio Lower Upper

63 100

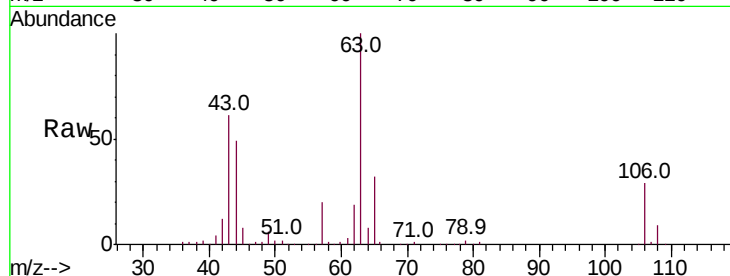
65 32.2 25.5 38.3

106 28.8 23.0 34.4

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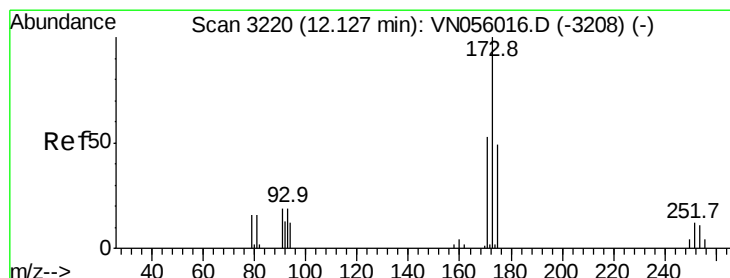
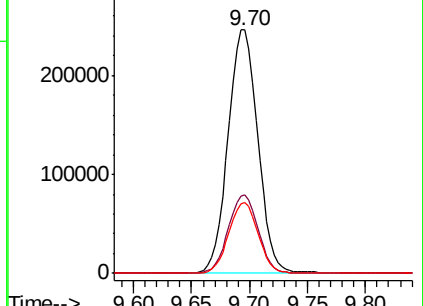
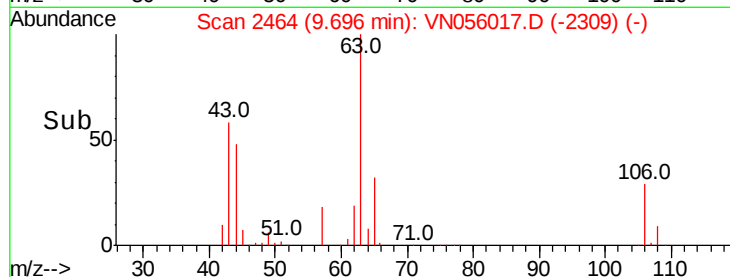


Abundance Ion 63.00 (62.70 to 63.70): VN056016.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN056016.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN056016.D (-2450) (-)

Time-->



#56

Bromoform

Concen: 40.649 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

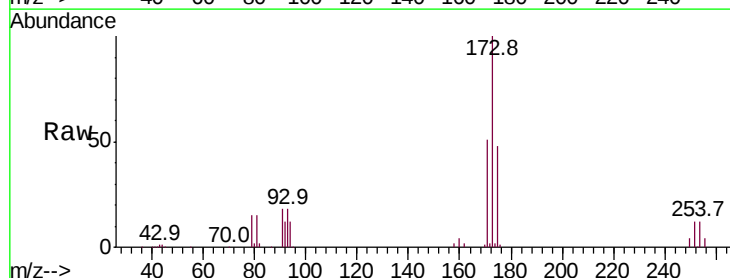
Tgt Ion: 173 Resp: 120396

Ion Ratio Lower Upper

173 100

175 48.9 38.7 58.1

254 10.2 6.6 9.8#

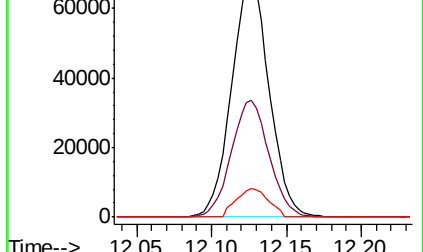
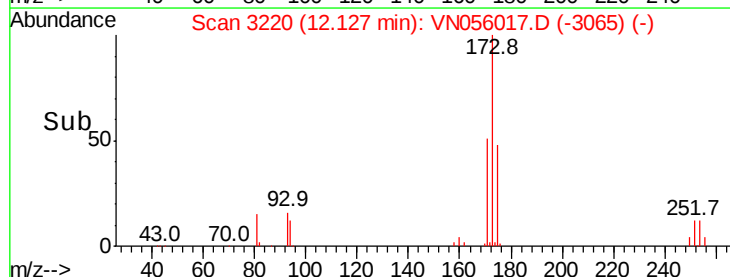


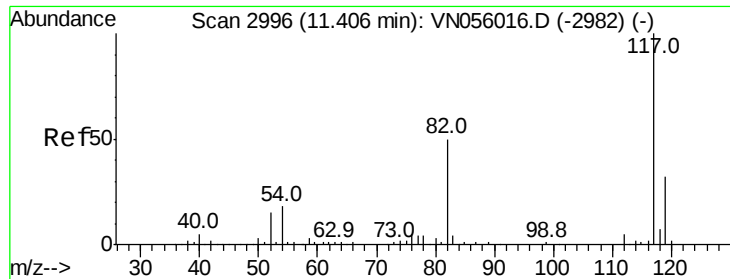
Abundance Ion 173.00 (172.70 to 173.70): VN056016.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN056016.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN056016.D (-3208) (-)

Time-->





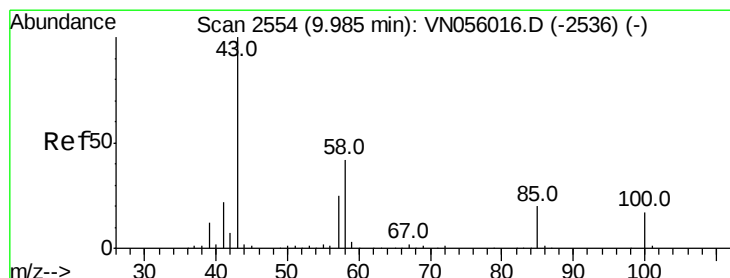
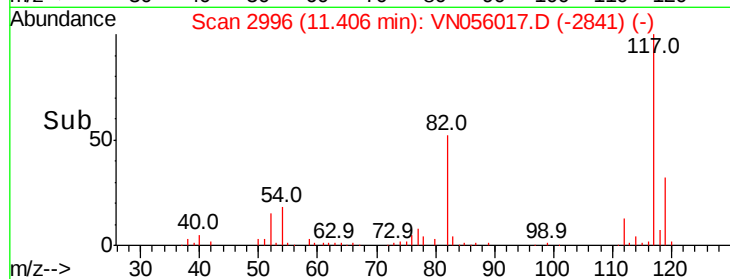
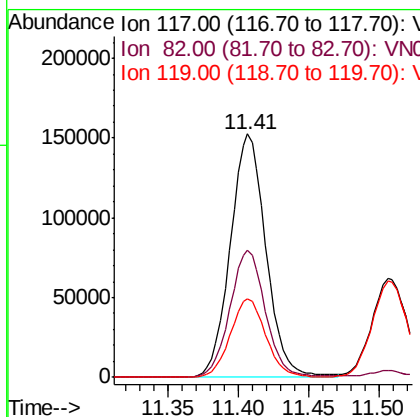
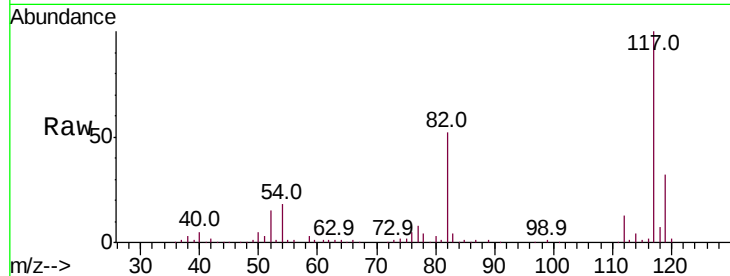
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.2	61.8
119	32.3	26.2	39.2

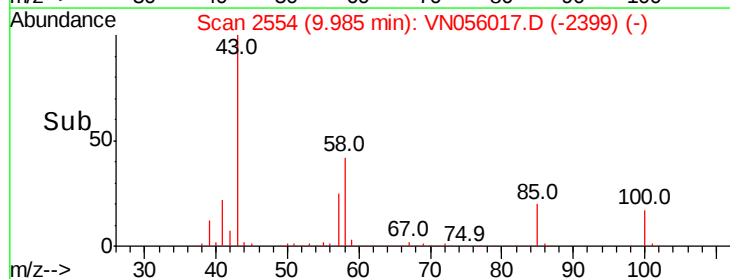
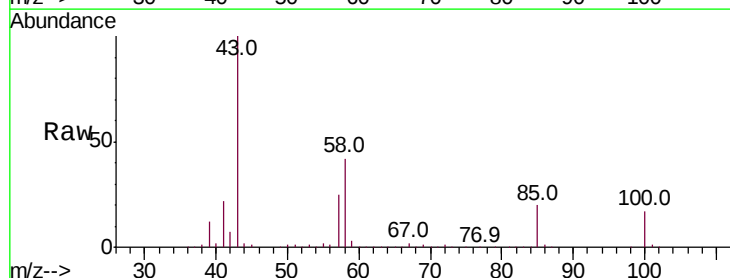
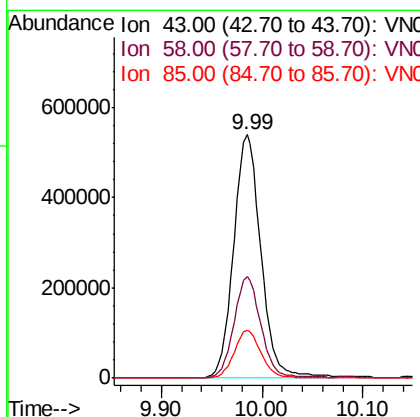
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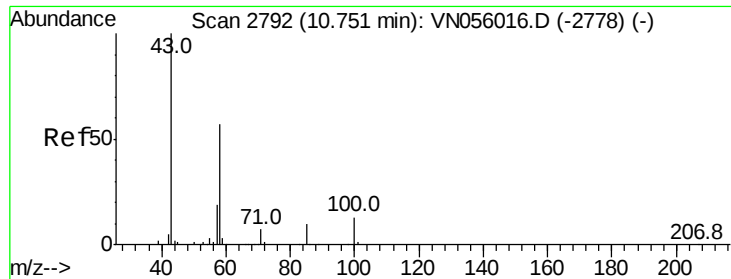
MMDadoda
6/6/2019 10:19:34 AM



#58
4-Methyl-2-Pentanone
Concen: 231.846 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.3	33.1	49.7
85	19.7	15.5	23.3





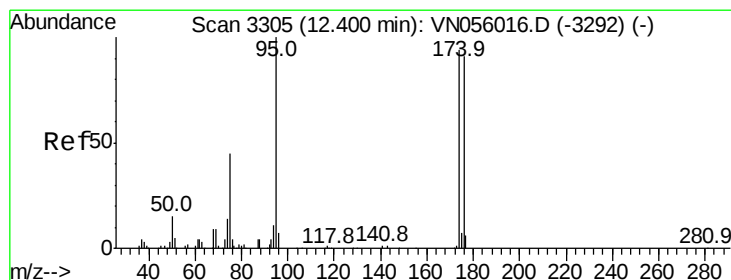
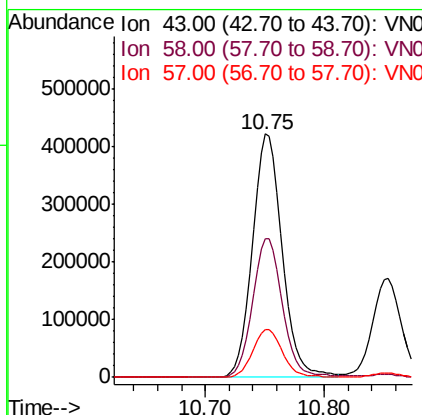
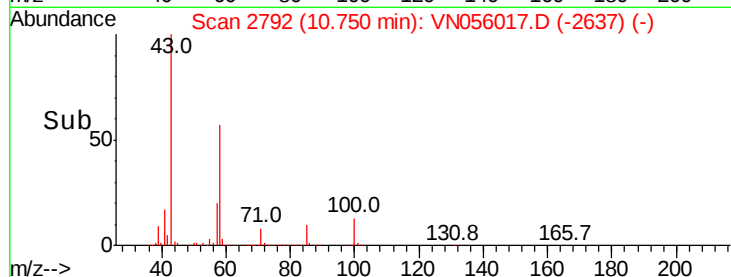
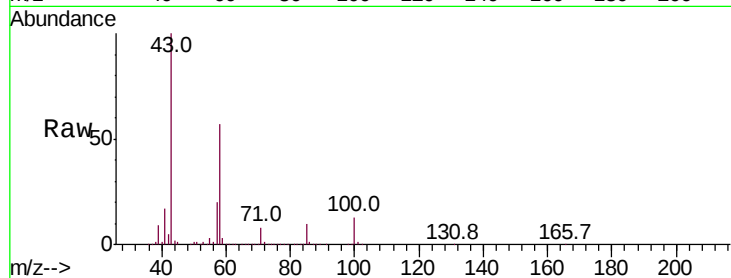
#59
2-Hexanone
Concen: 232.660 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	45.3	67.9
57	19.7	15.6	23.4

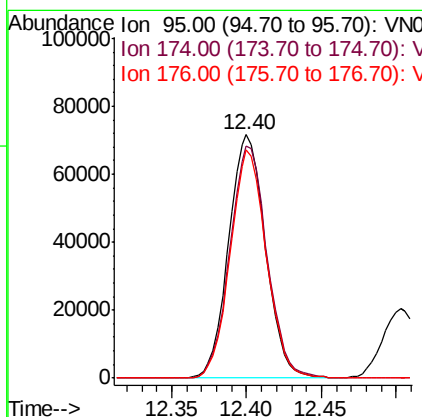
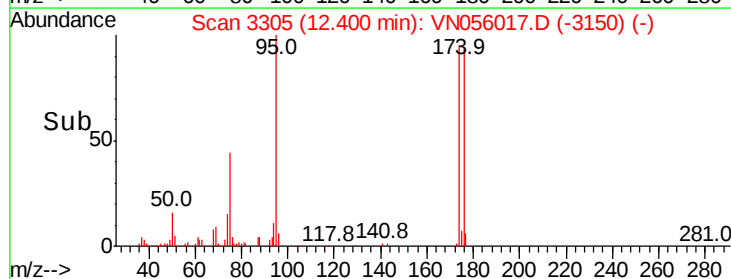
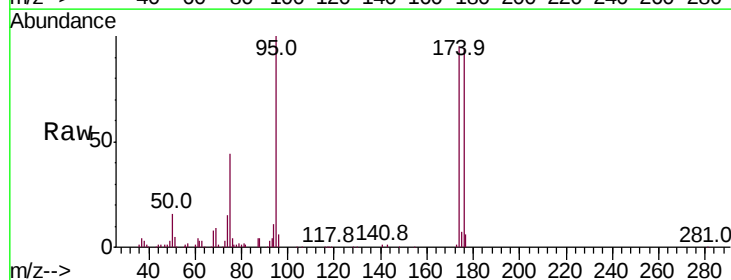
Manual Integrations
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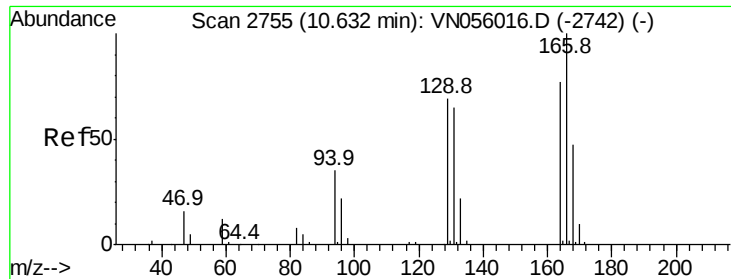
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.487 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.3	75.4	113.0
176	92.0	73.9	110.9





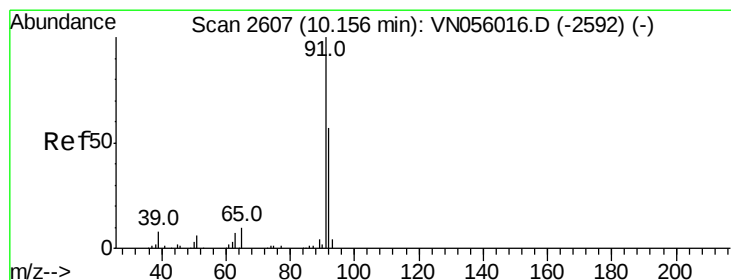
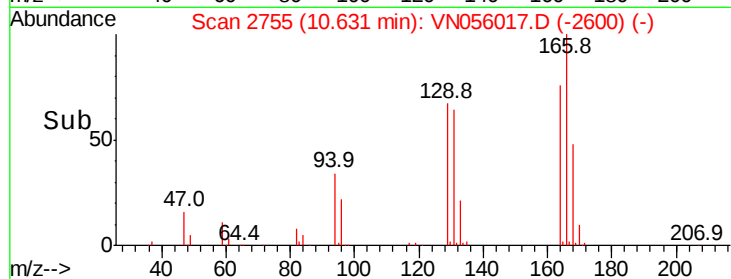
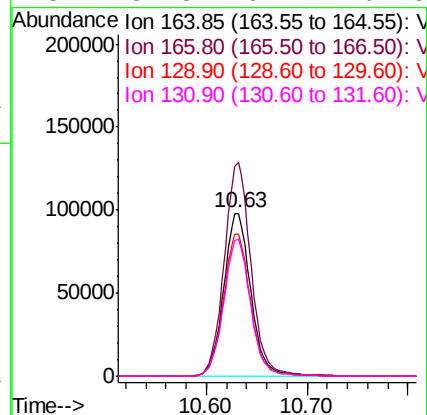
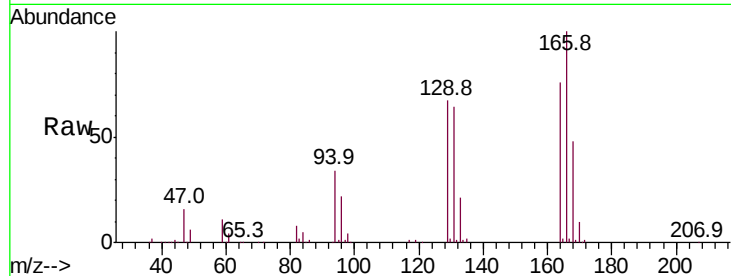
#61
Tetrachloroethene
Concen: 50.156 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.0	104.3	156.5
129	87.3	71.5	107.3
131	84.3	67.7	101.5

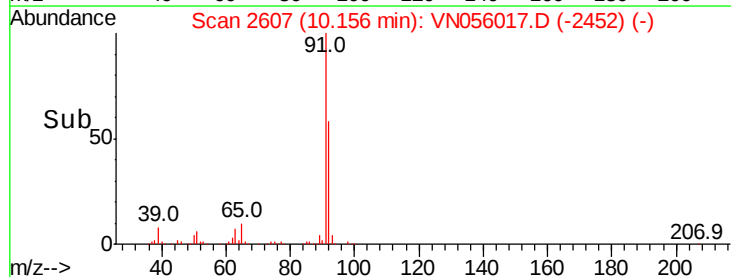
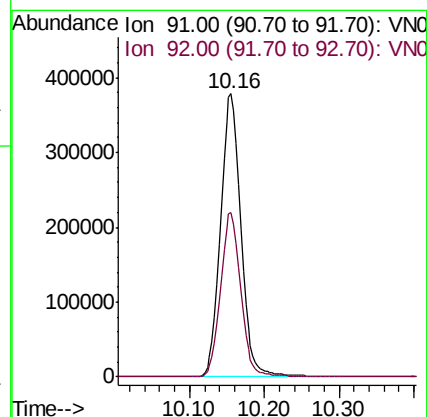
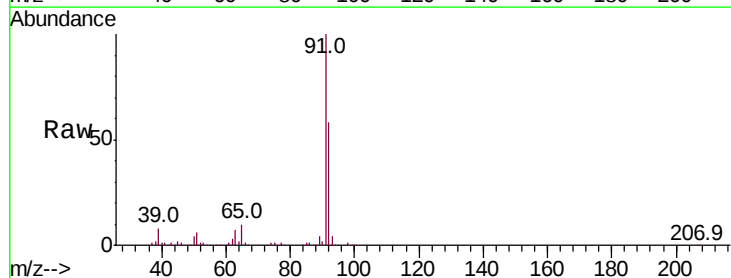
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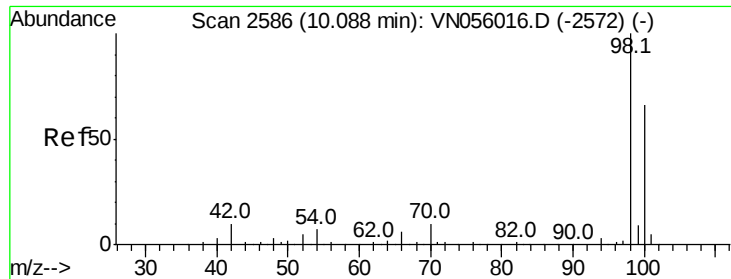
MMDadoda
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#62
Toluene
Concen: 49.501 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.5	68.3





#63

Toluene-d8

Concen: 29.479 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 364371

Ion Ratio Lower Upper

98 100

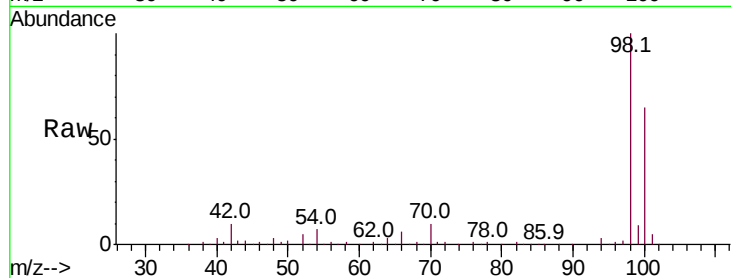
100 65.7 52.2 78.4

Manual Integrations

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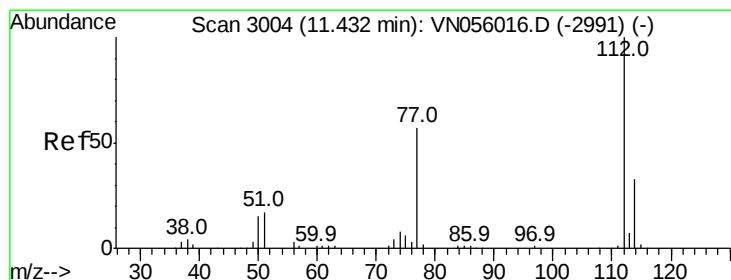
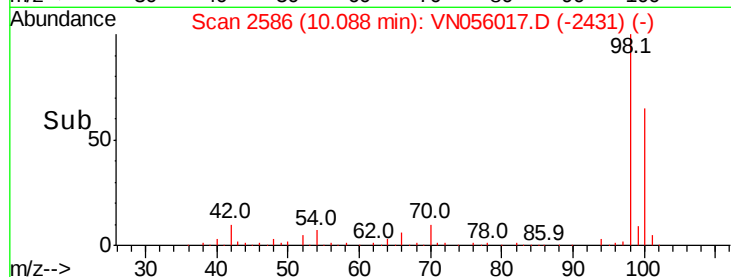
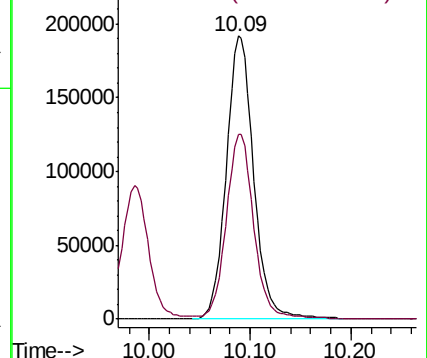
MMDadoda

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Abundance Ion 98.00 (97.70 to 98.70): VN056017.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056017.D (-2572) (-)



#64

Chlorobenzene

Concen: 50.032 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056017.D

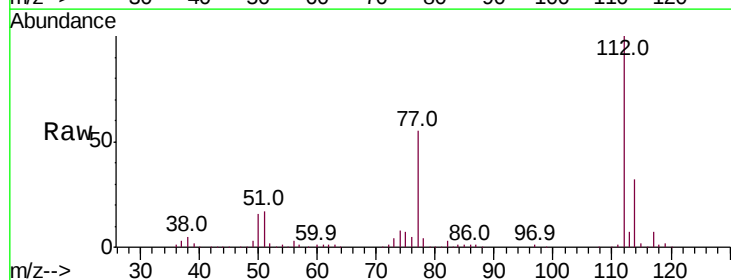
Acq: 5 Jun 2019 19:43

Tgt Ion: 112 Resp: 439967

Ion Ratio Lower Upper

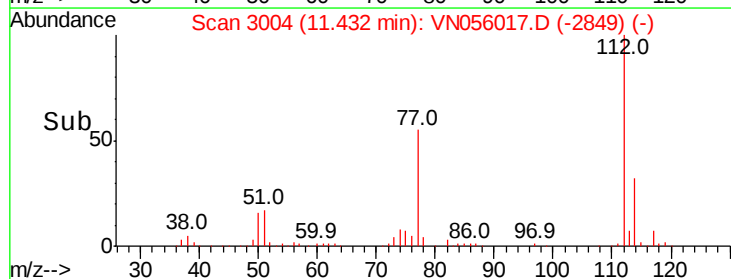
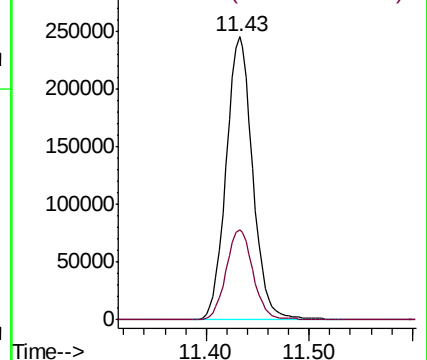
112 100

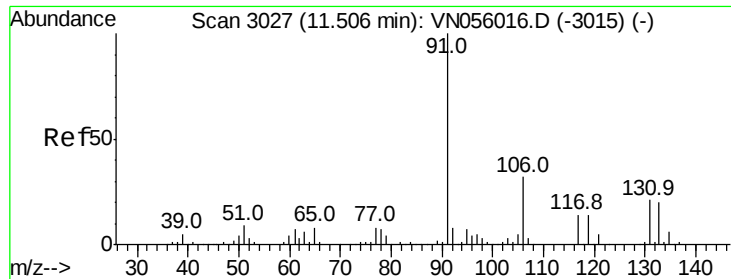
114 31.9 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056017.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN056017.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 46.302 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

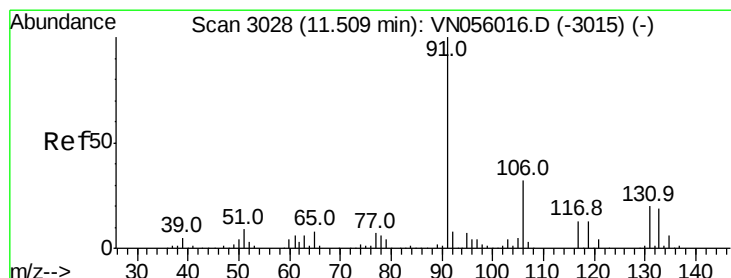
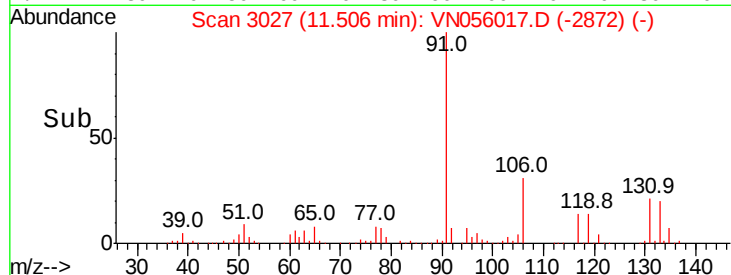
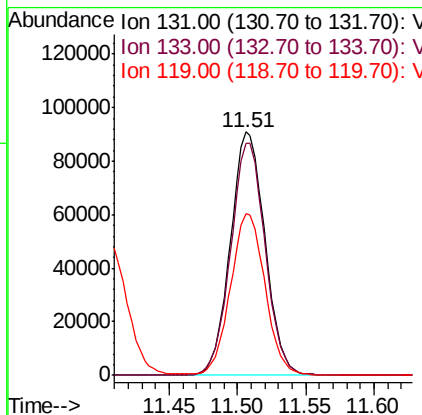
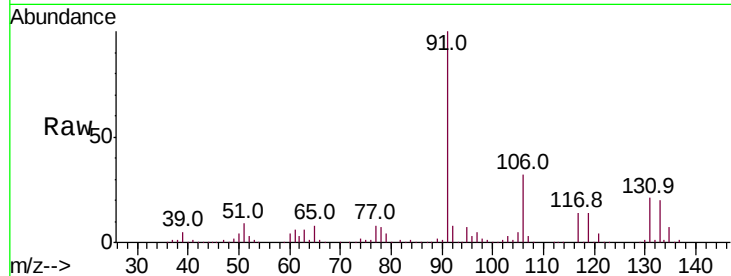
ClientSampled :

VSTDIC050

Tot Ion:	131	Resp:	160116
Ion Ratio	Lower	Upper	
131	100		
133	94.9	0.0	193.8
119	66.4	0.0	134.4

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#66

Ethyl Benzene

Concen: 48.628 ug/l

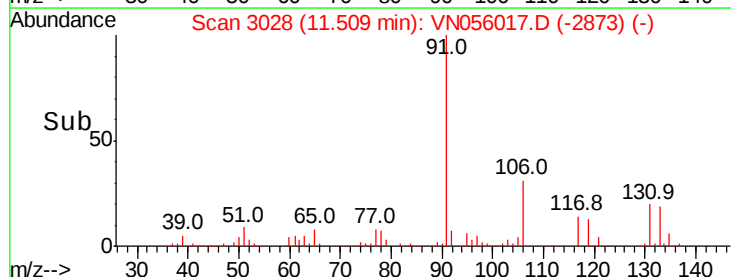
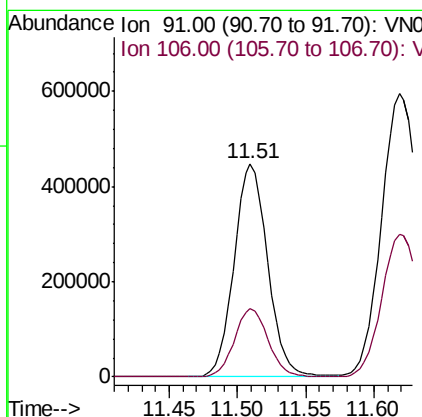
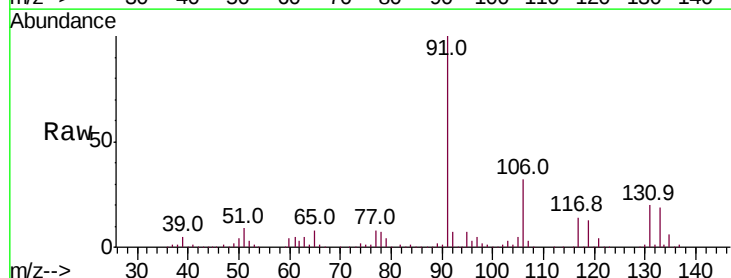
RT: 11.51 min Scan# 3028

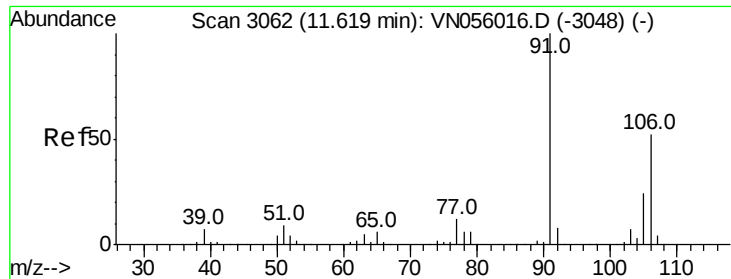
Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Tgt Ion:	91	Resp:	766927
Ion Ratio	Lower	Upper	
91	100		
106	32.0	25.7	38.5





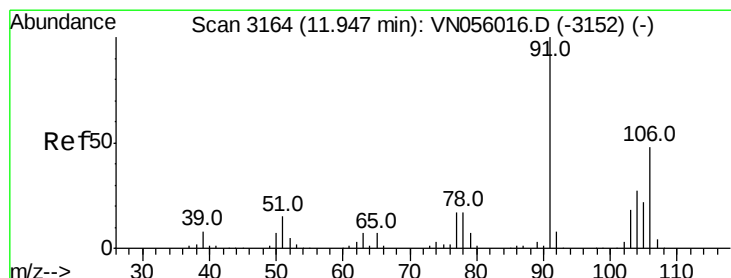
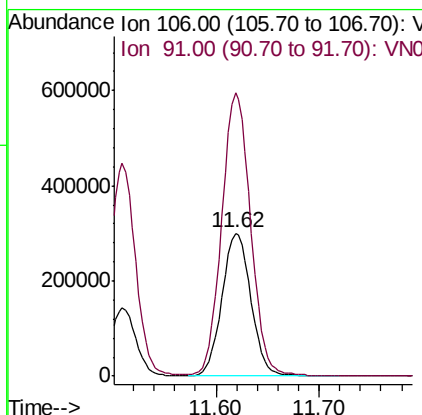
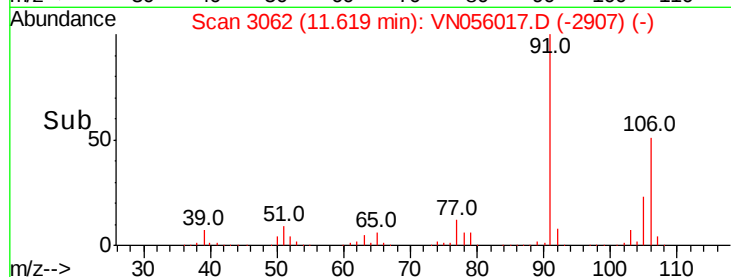
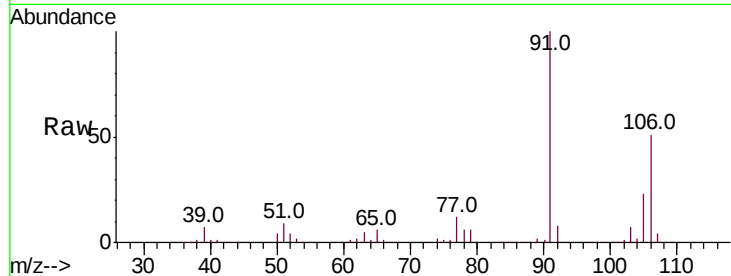
#67
m/p-Xylenes
Concen: 98.050 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:106 Resp: 587865
Ion Ratio Lower Upper
106 100
91 197.6 155.7 233.5

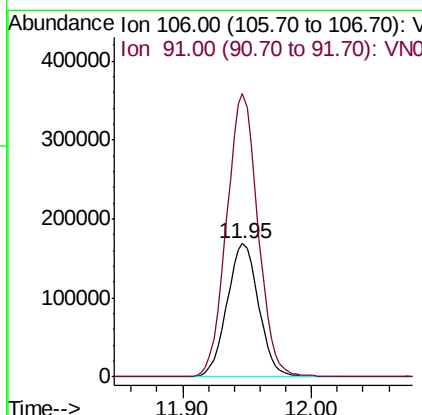
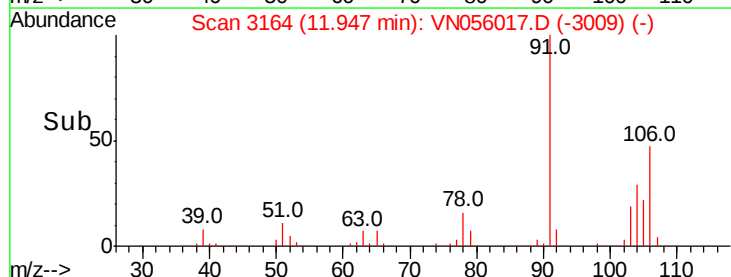
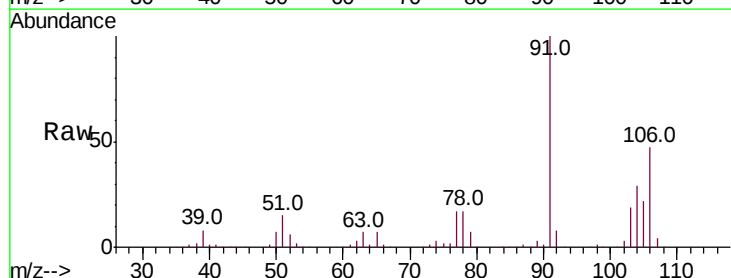
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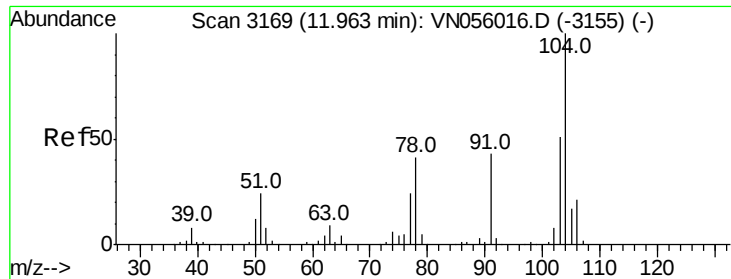
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#68
o-Xylene
Concen: 48.580 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion:106 Resp: 287521
Ion Ratio Lower Upper
106 100
91 210.1 103.9 311.7





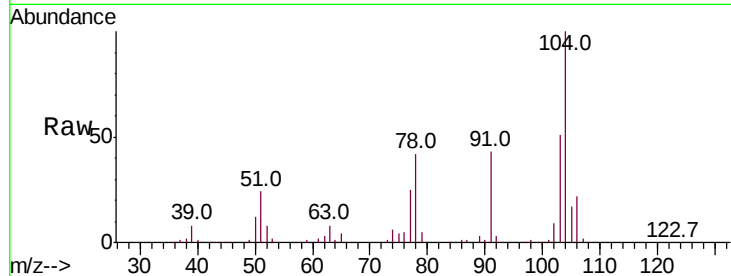
#69
Stvrene
Concen: 49.606 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.7	37.0	55.6
103	54.8	44.4	66.6

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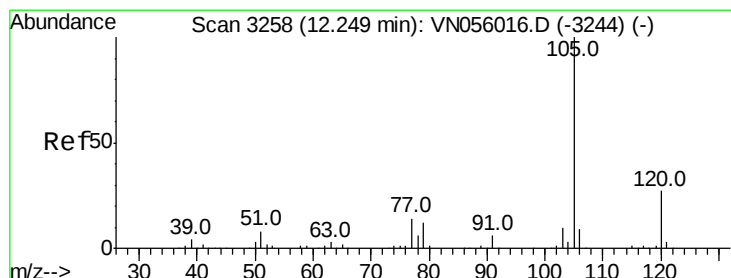
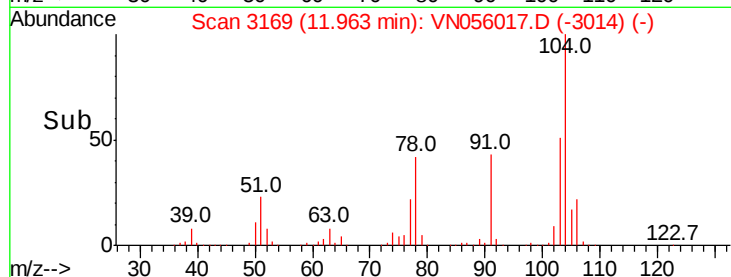
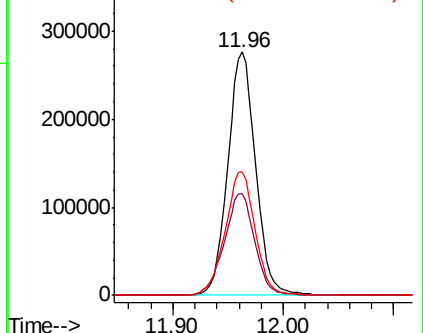


Abundance

Ion 104.00 (103.70 to 104.70): V

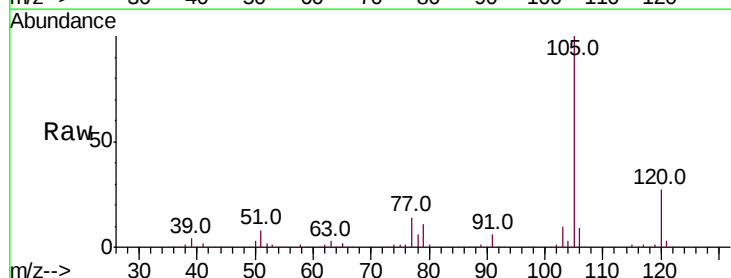
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 48.702 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

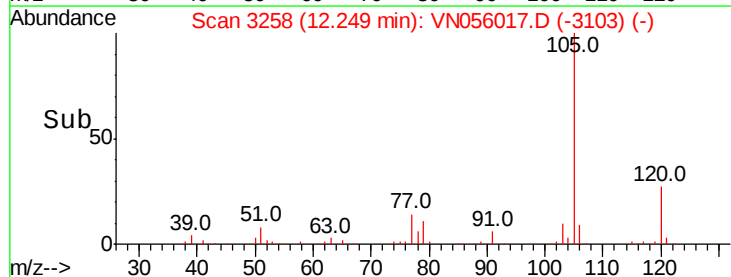
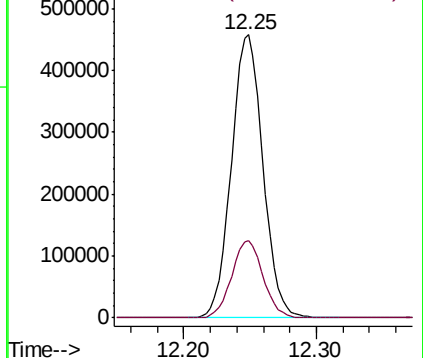
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	19.3	35.8

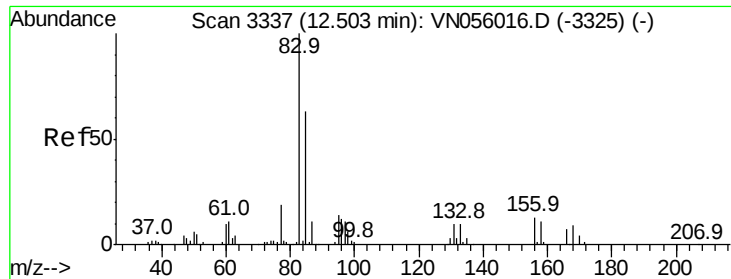


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





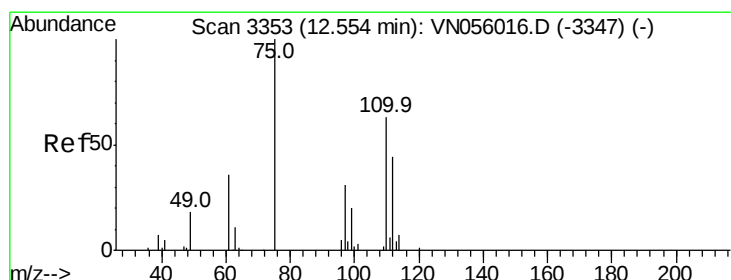
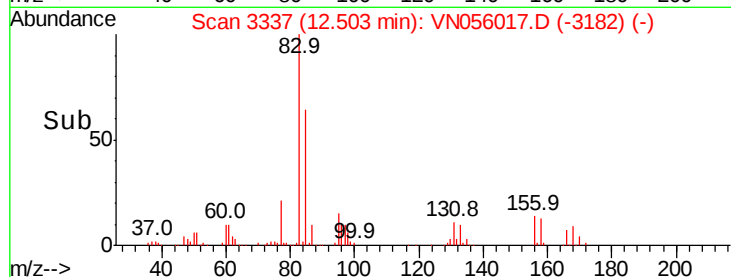
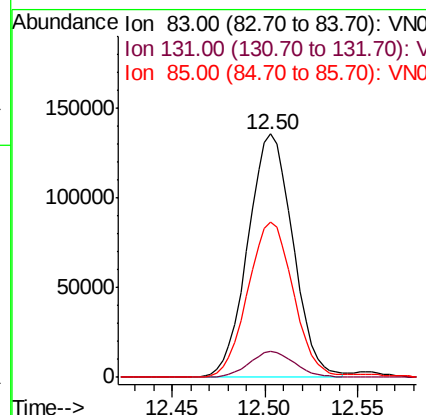
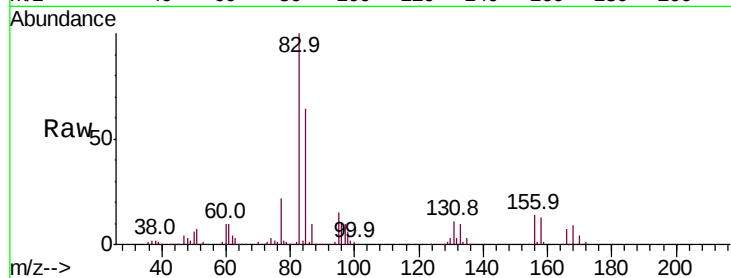
#71
 1,1,2,2-Tetrachloroethane
 Concen: 48.285 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	64.6	31.6	94.7

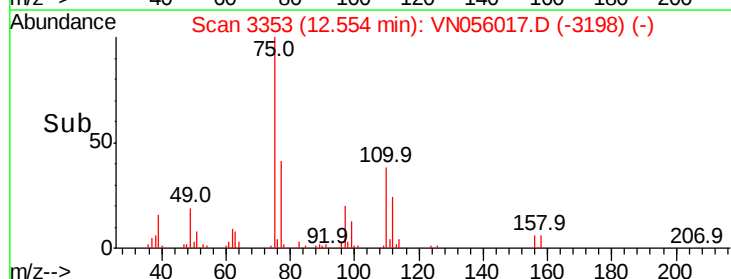
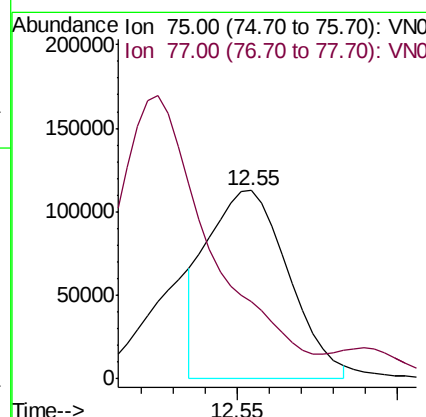
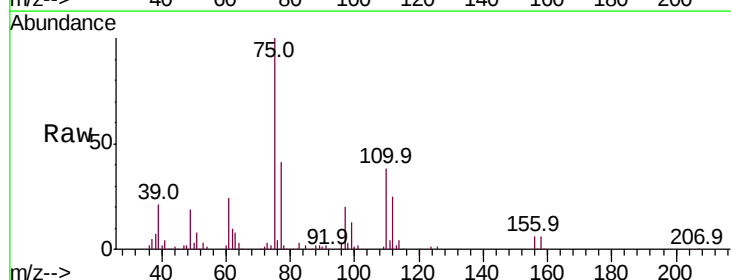
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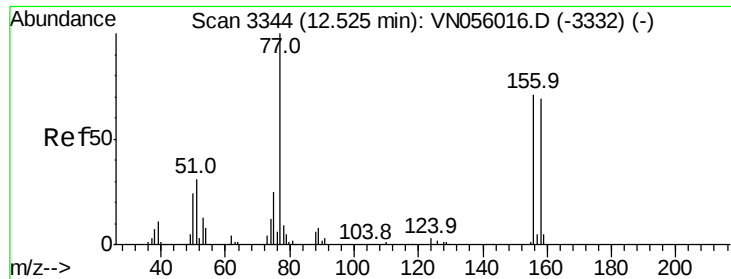
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#72
 1,2,3-Trichloropropane
 Concen: 48.302 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	183.7	0.0	350.0





#73

Bromobenzene

Concen: 49.307 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

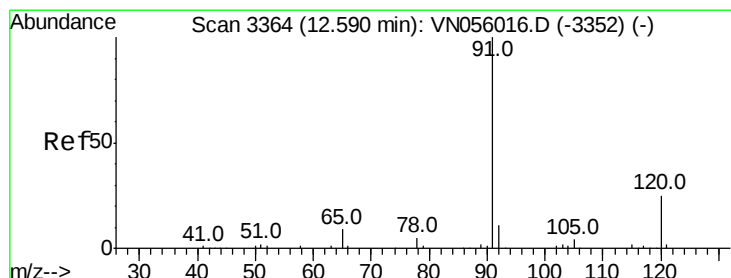
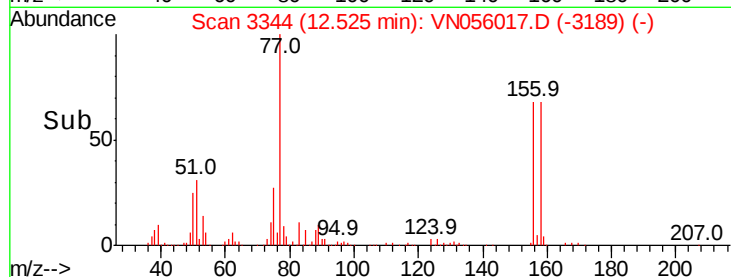
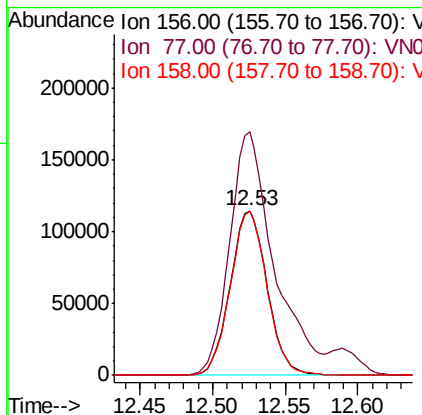
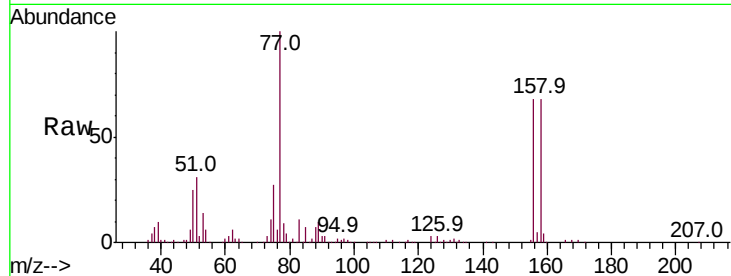
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	202083
Ion Ratio	Lower	Upper	
156	100		
77	178.3	0.0	350.8
158	99.1	0.0	193.2

Manual Integrations
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6/6/2019 10:19:34 AM



#74

n-propylbenzene

Concen: 49.166 ug/l

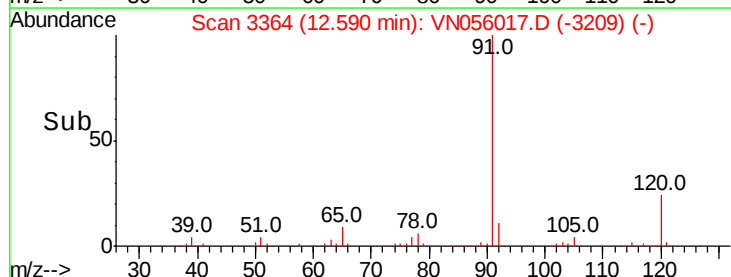
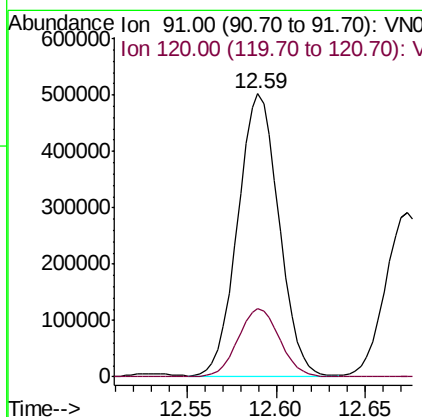
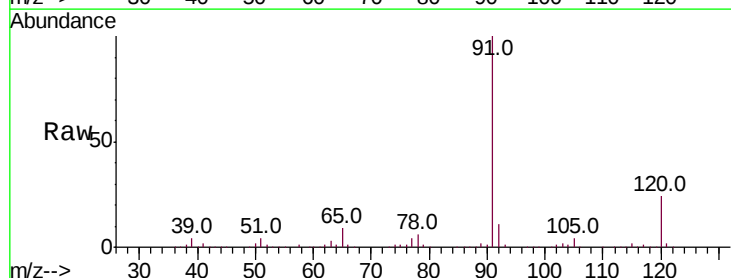
RT: 12.59 min Scan# 3364

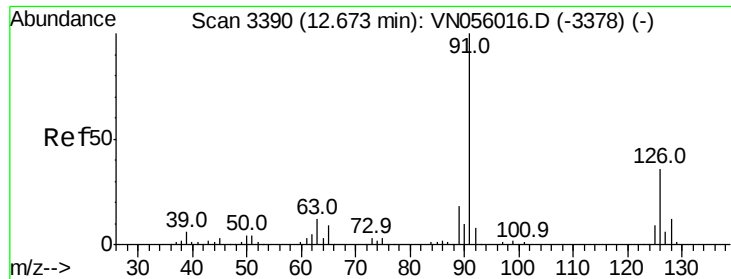
Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Tgt Ion:	91	Resp:	815649
Ion Ratio	Lower	Upper	
91	100		
120	24.2	0.0	48.6





#75

2-Chlorotoluene

Concen: 48.928 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 496909

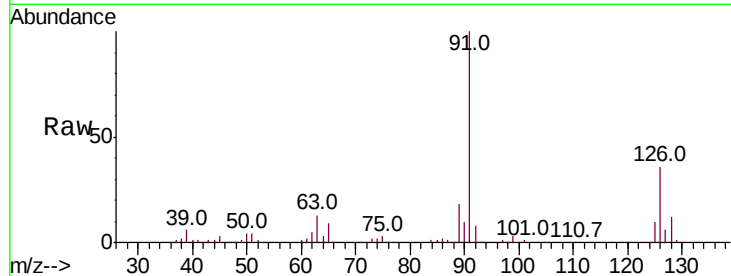
Ion Ratio Lower Upper

91 100

126 35.8 0.0 72.4

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Abundance Ion 91.00 (90.70 to 91.70): VN056017.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN056017.D (-3378) (-)

500000

400000

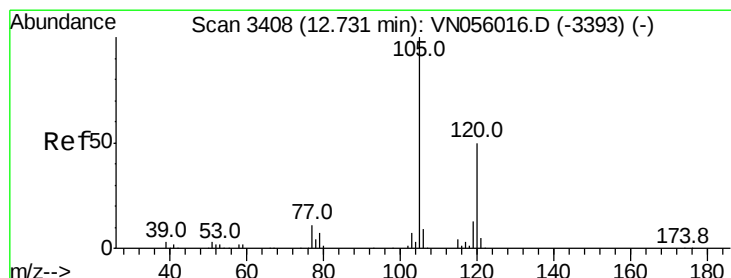
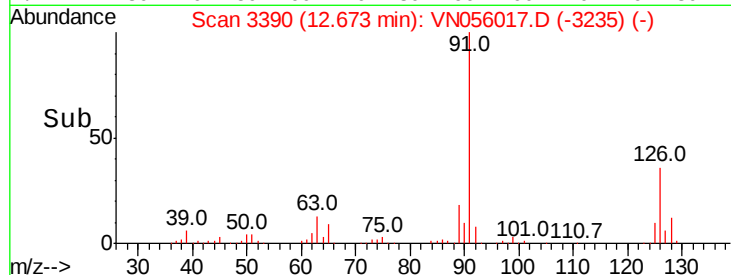
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 48.589 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056017.D

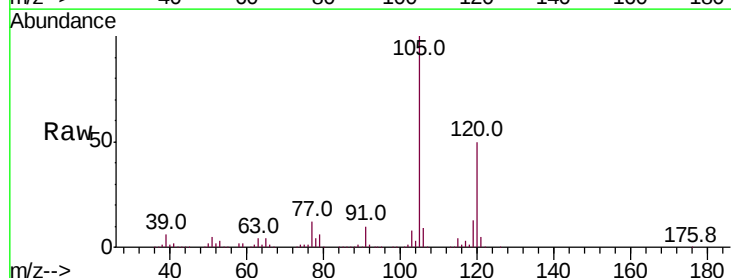
Acq: 5 Jun 2019 19:43

Tgt Ion: 105 Resp: 620449

Ion Ratio Lower Upper

105 100

120 50.6 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056017.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056017.D (-3393) (-)

400000

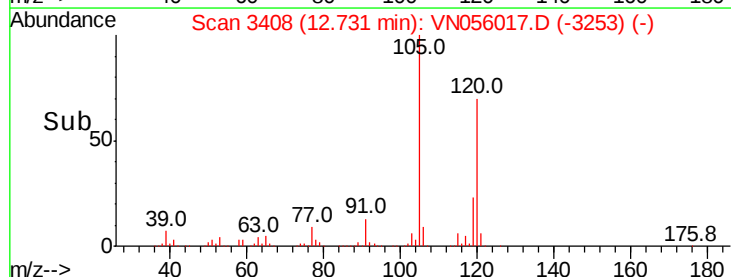
300000

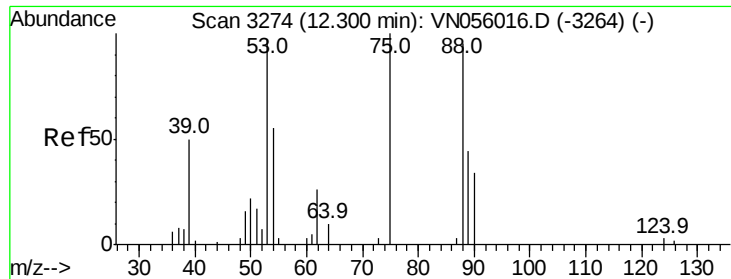
200000

100000

0

Time--> 12.65 12.70 12.75 12.80





#77

t-1,4-Dichloro-2-butene

Concen: 38.570 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

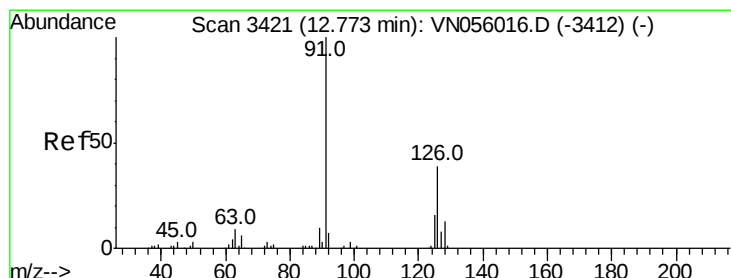
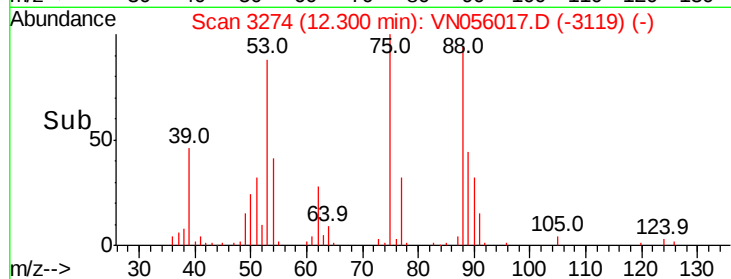
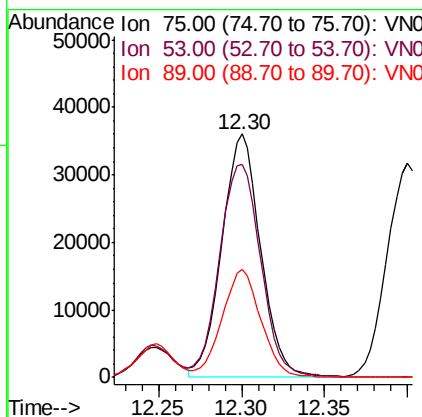
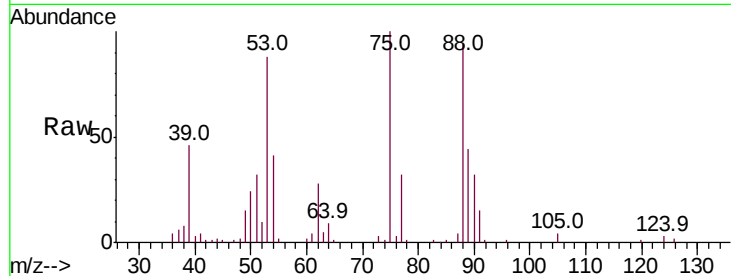
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	58550
Ion	Ratio	Lower	Upper
75	100		
53	87.1	48.0	144.0
89	44.4	22.5	67.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 49.733 ug/l

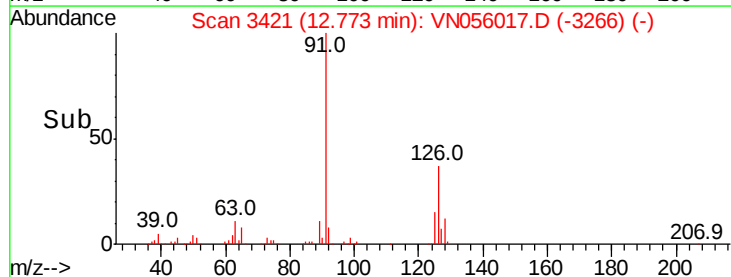
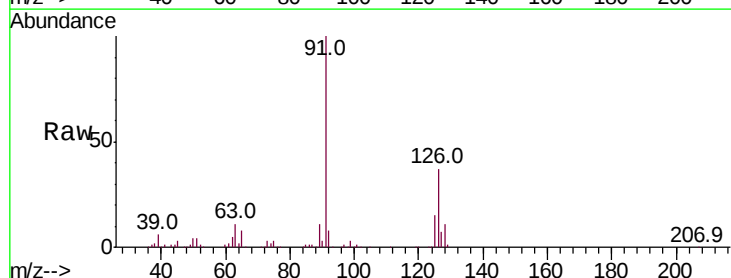
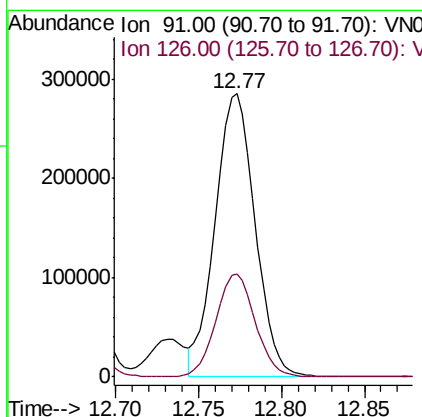
RT: 12.77 min Scan# 3421

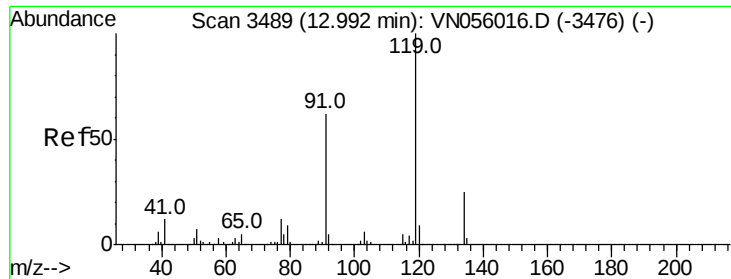
Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Tgt Ion:	91	Resp:	476697
Ion	Ratio	Lower	Upper
91	100		
126	35.9	0.0	71.8





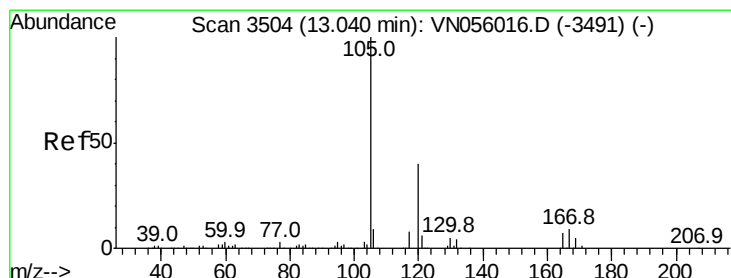
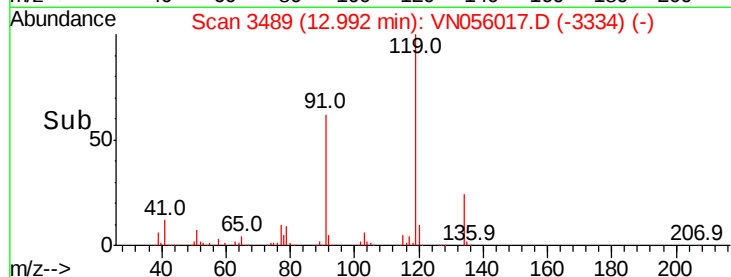
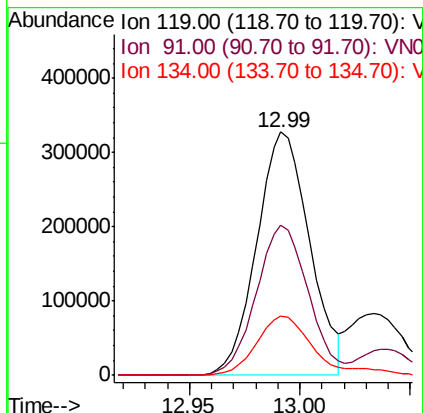
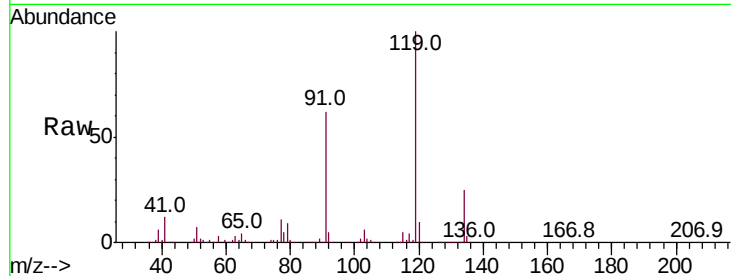
#79
tert-butylbenzene
Concen: 48.556 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	544238		
91	60.8		0.0	122.8
134	26.7		0.0	50.2

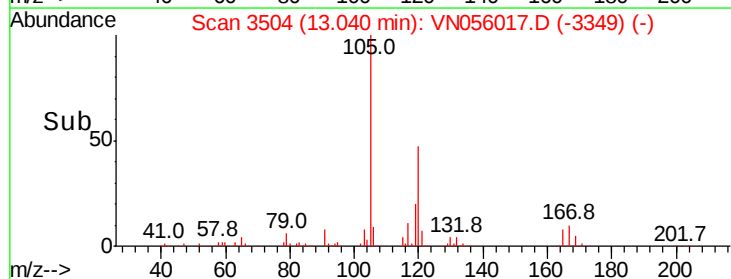
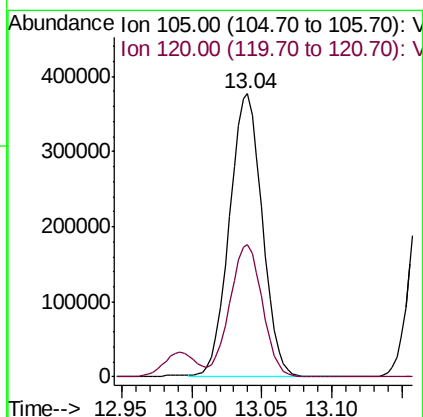
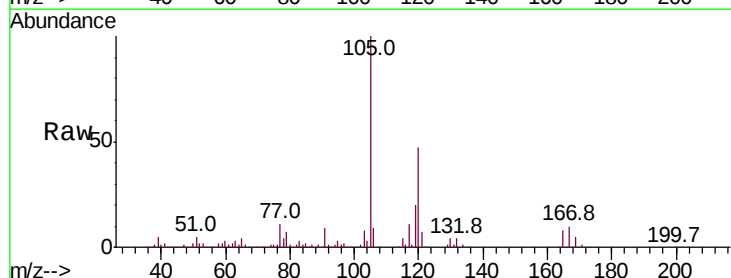
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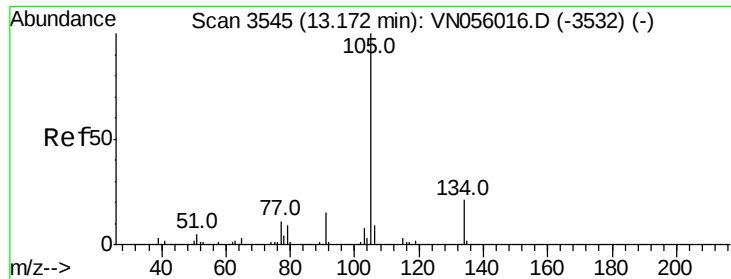
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#80
1,2,4-Trimethylbenzene
Concen: 48.800 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	615948		
120	46.5		0.0	93.4





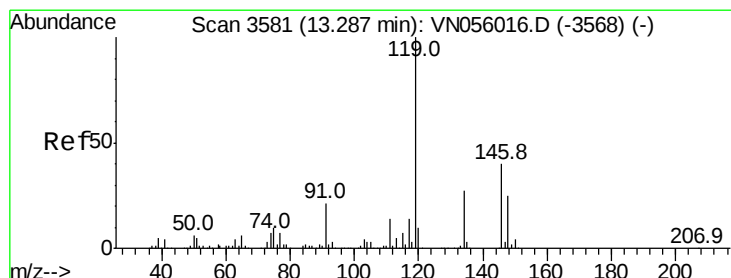
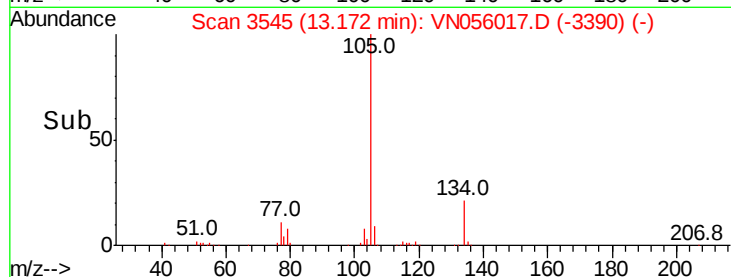
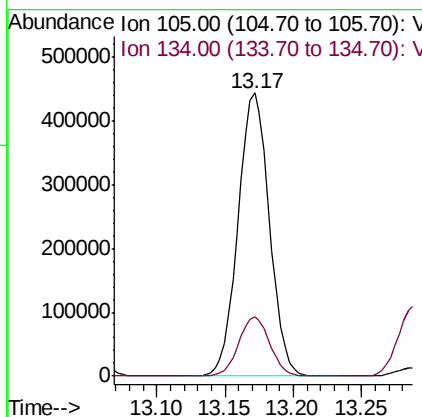
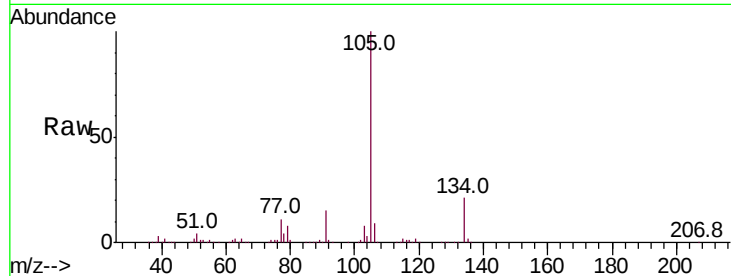
#81
 sec-Butylbenzene
 Concen: 49.511 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	705763		
134	20.9	0.0	41.8	

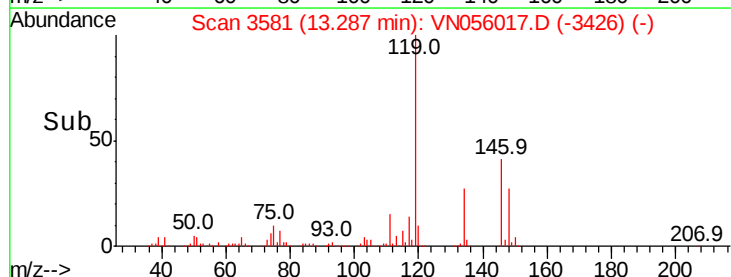
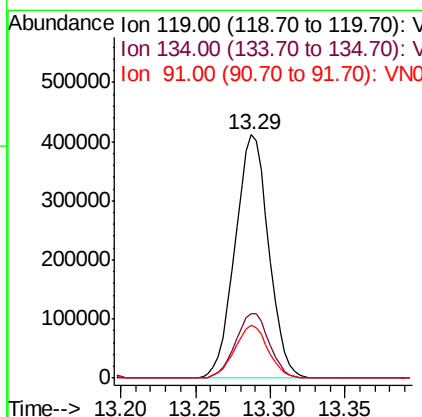
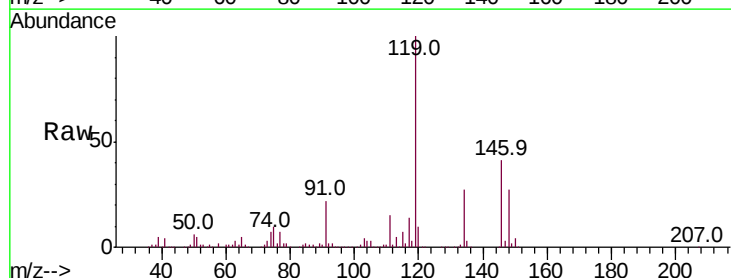
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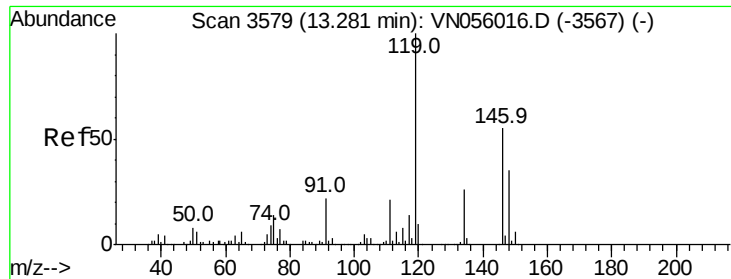
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#82
 p-Isopropyltoluene
 Concen: 49.203 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	642511		
134	26.9	0.0	53.4	
91	21.5	0.0	43.0	





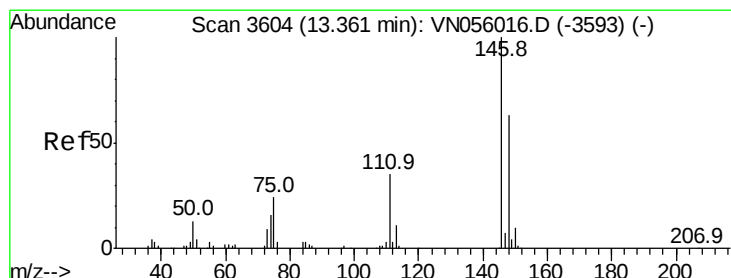
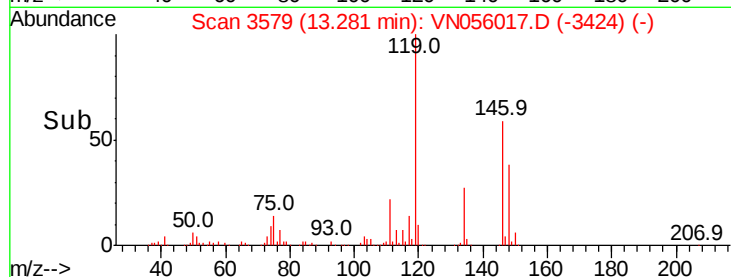
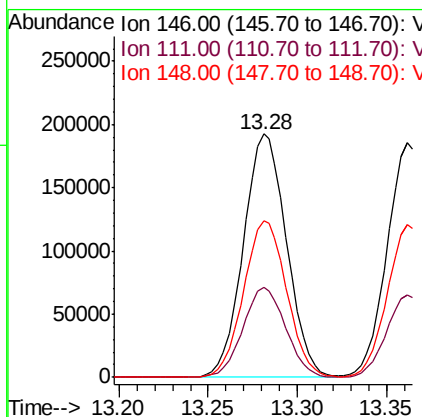
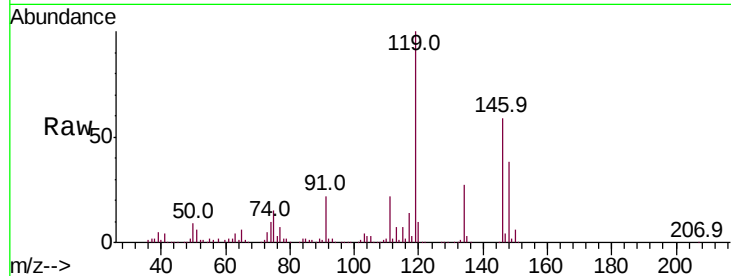
#83
 1,3-Dichlorobenzene
 Concen: 51.028 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.2	54.6
148	64.3	31.9	95.9

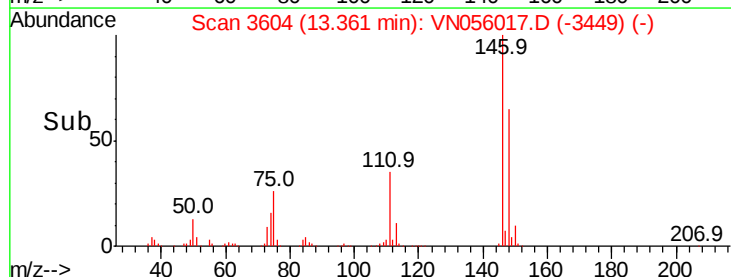
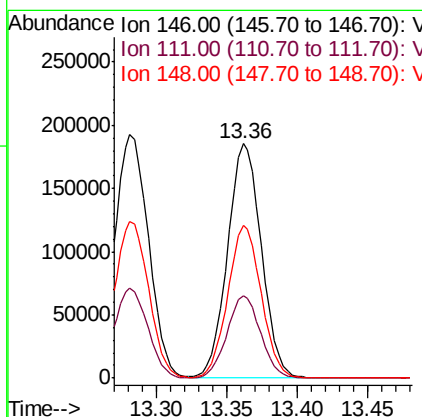
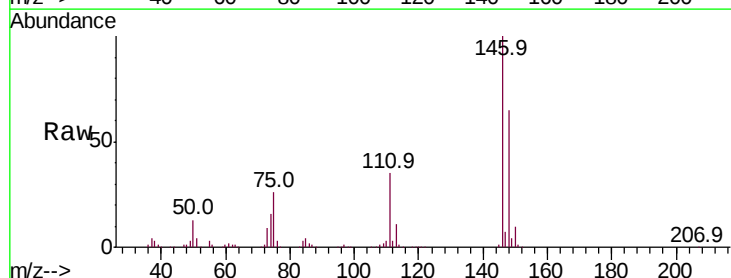
Manual Integrations
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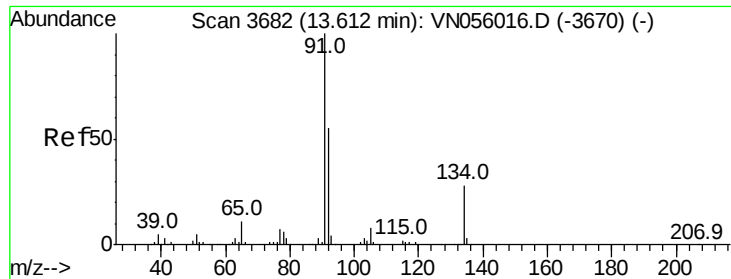
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#84
 1,4-Dichlorobenzene
 Concen: 51.343 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	17.6	52.9
148	64.3	32.1	96.3





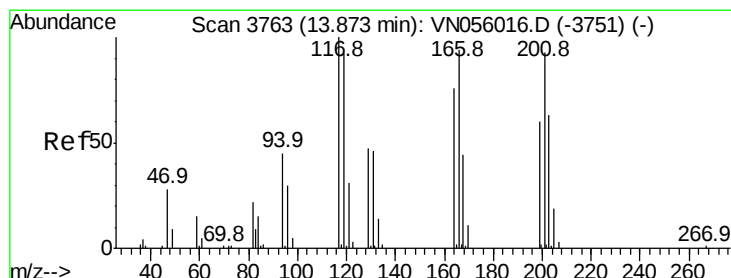
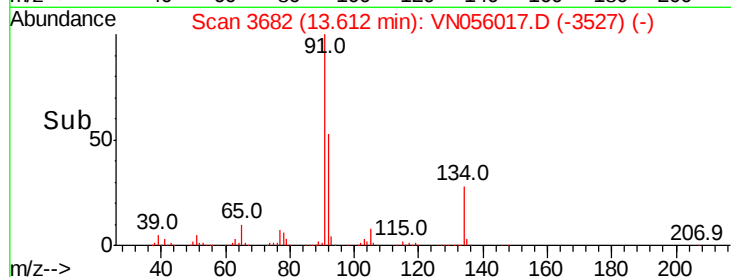
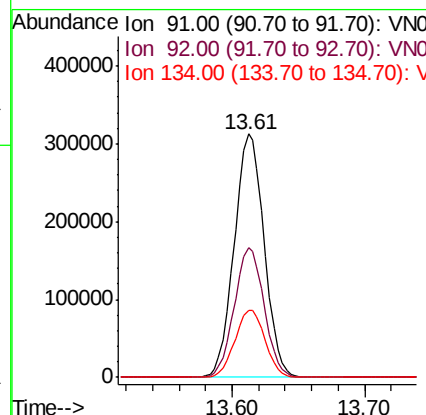
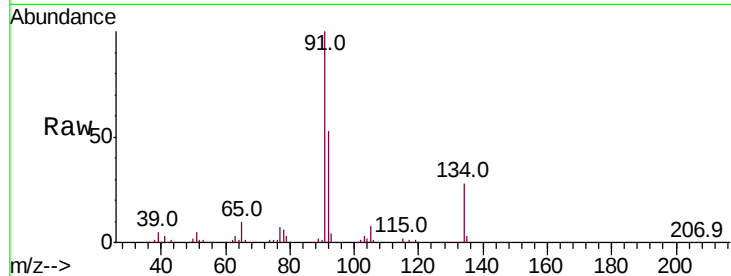
#85
n-Butylbenzene
Concen: 48.682 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	488443		
92	53.1		0.0	107.2
134	27.9		0.0	55.8

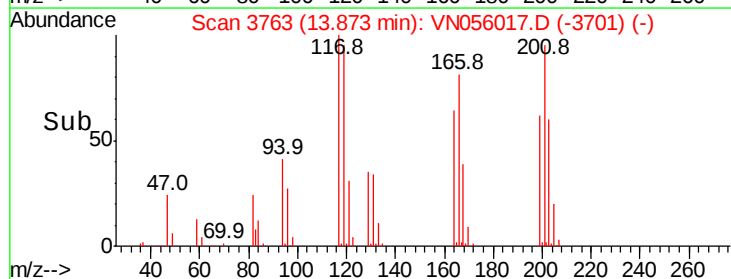
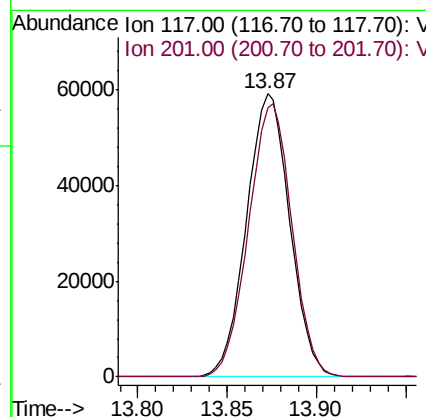
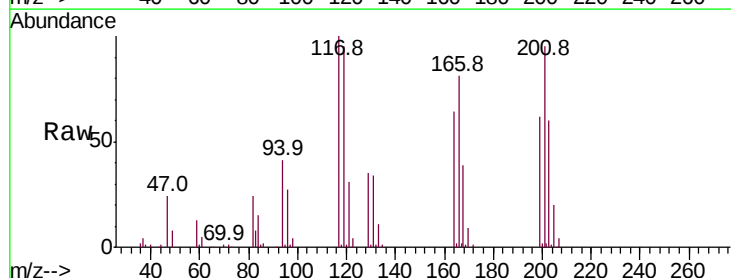
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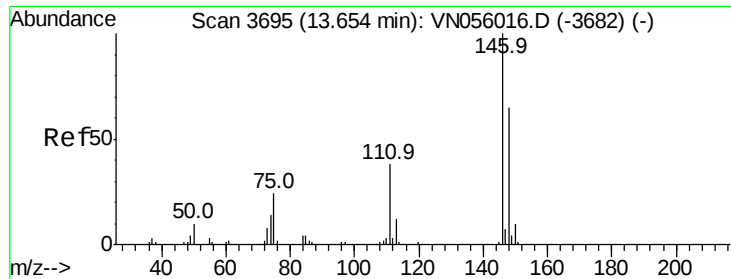
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#86
Hexachloroethane
Concen: 41.150 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	100668		
201	96.5		48.1	144.4





#87

1,2-Dichlorobenzene

Concen: 50.844 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

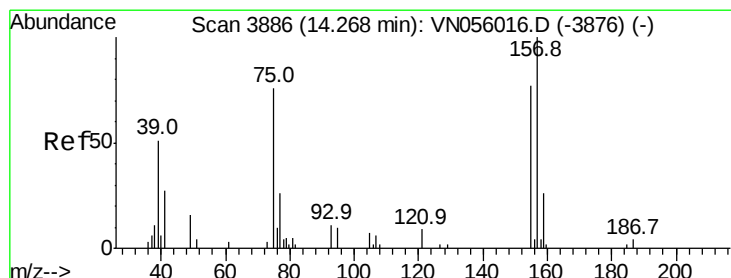
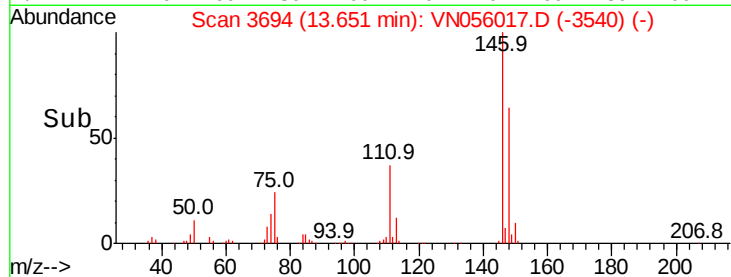
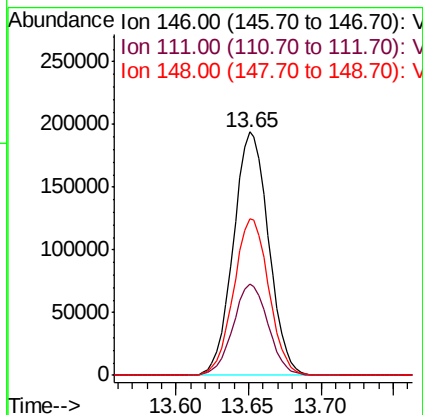
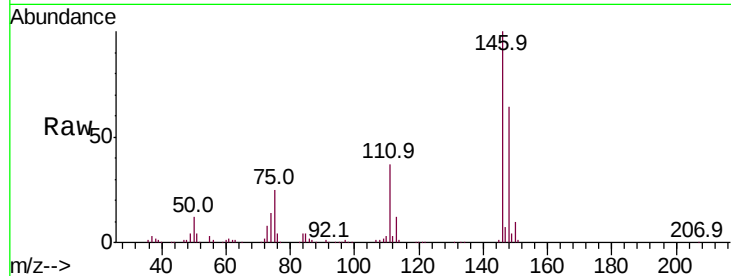
ClientSampled :

VSTDIC050

Tot Ion:	146	Resp:	327039
Ion Ratio	Lower	Upper	
146	100		
111	37.3	19.3	57.9
148	64.2	32.6	97.8

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 43.631 ug/l

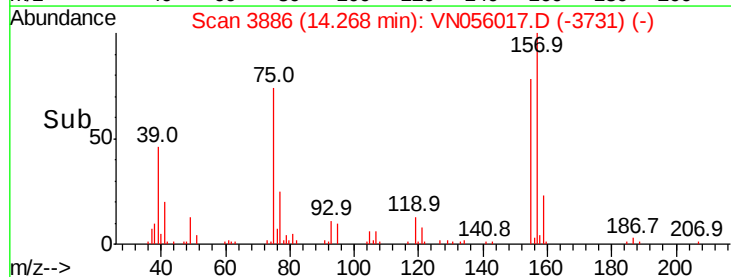
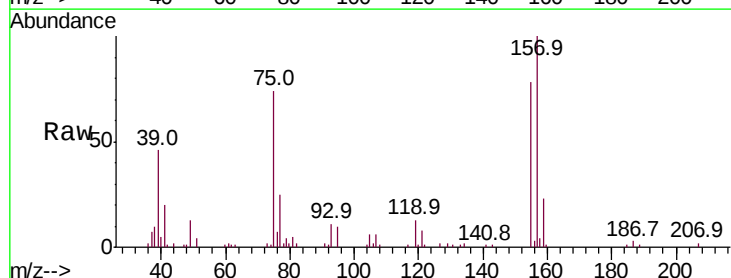
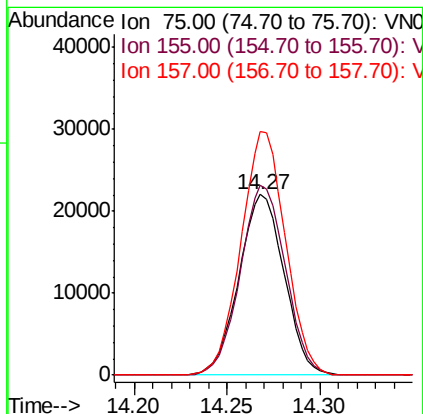
RT: 14.27 min Scan# 3886

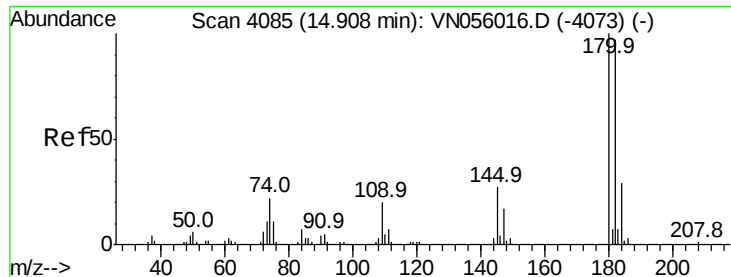
Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Tgt Ion:	75	Resp:	37300
Ion Ratio	Lower	Upper	
75	100		
155	104.8	82.5	123.7
157	132.9	105.1	157.7





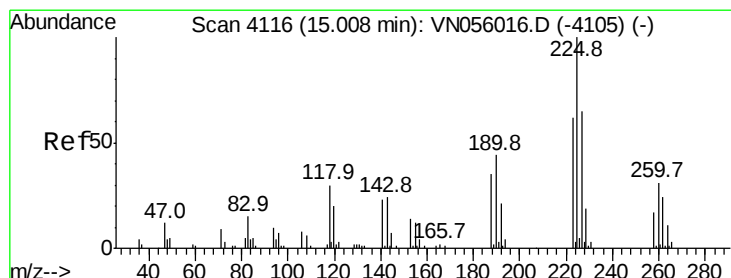
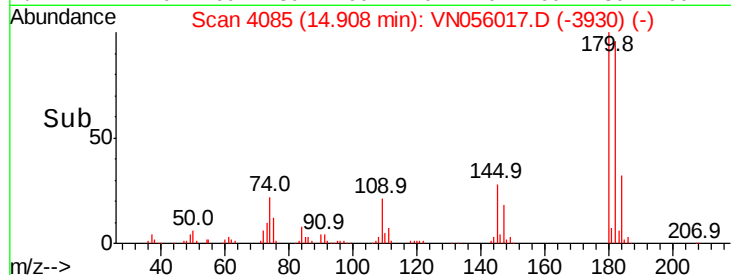
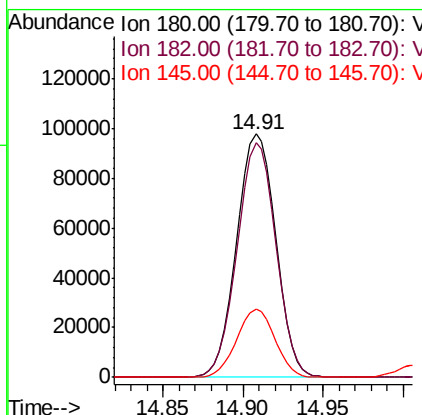
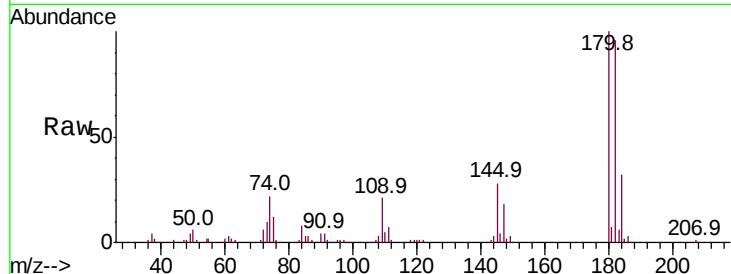
#89
 1,2,4-Trichlorobenzene
 Concen: 47.981 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.0	112.6
145	27.5	22.1	33.1

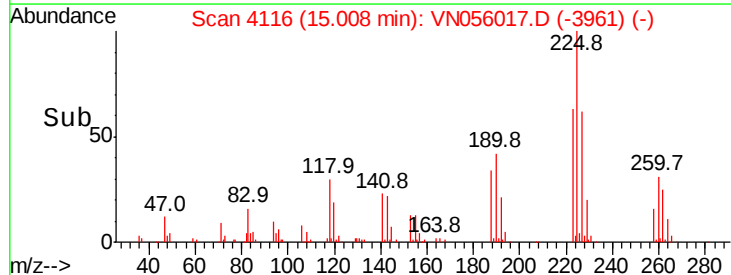
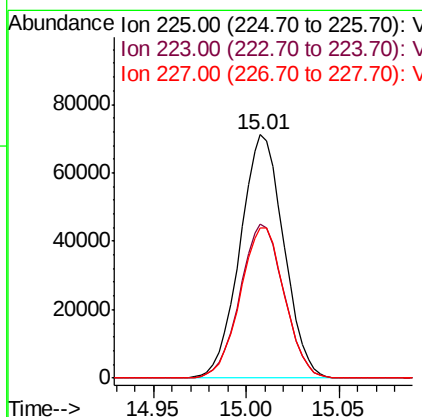
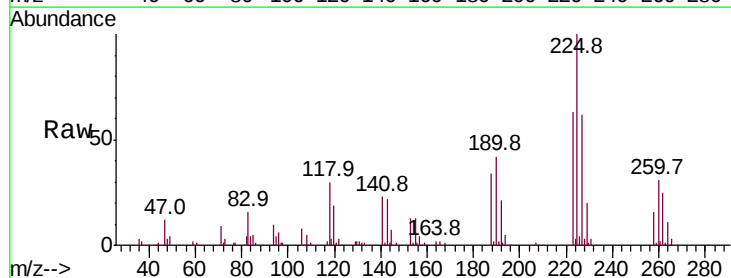
Manual Integrations
 APPROVED

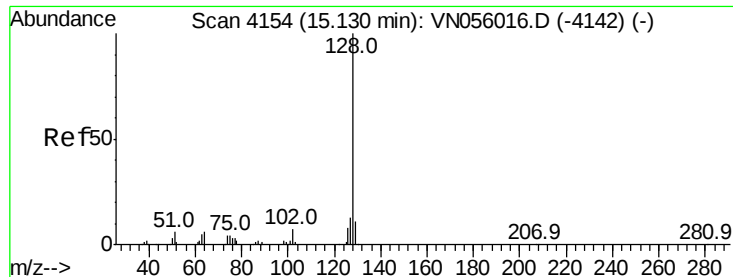
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 45.709 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	0.0	125.6
227	62.5	0.0	128.6





#91

Naphthalene

Concen: 47.870 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

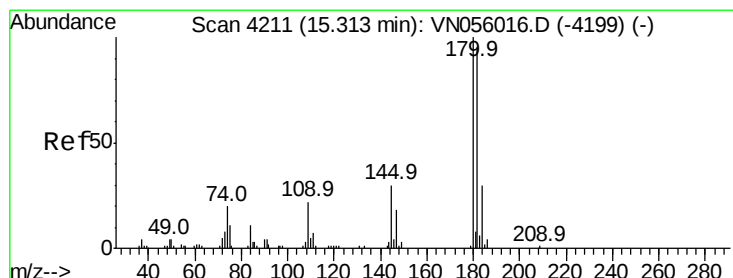
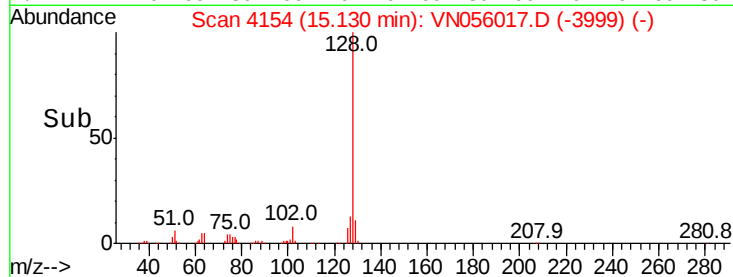
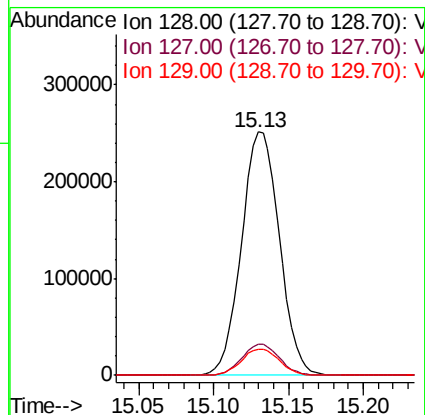
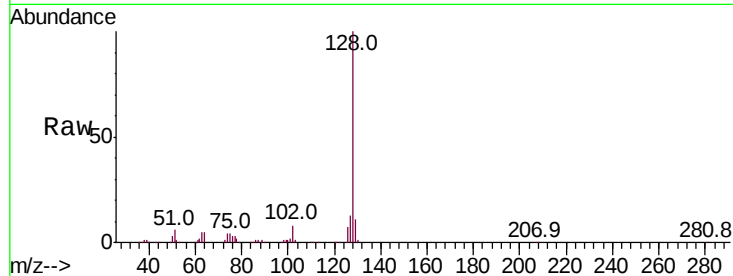
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	443580
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/6/2019 10:19:34 AM



#92

1,2,3-Trichlorobenzene

Concen: 48.858 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Tgt Ion:	180	Resp:	174108
Ion Ratio	Lower	Upper	
180	100		
182	96.1	0.0	193.4
145	30.4	0.0	59.8

