

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056020.D
 Acq On : 5 Jun 2019 21:23
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN060619

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 10:19:48 AM

Quant Time: Jun 06 04:18:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53877	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	293456	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	258928	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	101292	30.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.93%
60) 4-Bromofluorobenzene	12.40	95	111698	29.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.00%
63) Toluene-d8	10.09	98	354146	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	64273	21.210 ug/l	97
3) Chloromethane	2.06	50	75700	21.381 ug/l	97
4) Vinyl Chloride	2.18	62	75545	20.928 ug/l	99
5) Bromomethane	2.53	94	50631	22.318 ug/l	99
6) Chloroethane	2.68	64	43077	21.097 ug/l	97
7) Trichlorofluoromethane	3.00	101	90998	20.374 ug/l	98
8) Diethyl Ether	3.40	74	38841	20.505 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55923	20.284 ug/l	89
10) 1,1-Dichloroethene	3.72	96	58464	20.788 ug/l	98
11) Methyl Iodide	3.94	142	81849	18.446 ug/l	98
12) Methyl Acetate	4.33	43	69102	20.447 ug/l	99
13) Acrolein	3.60	56	18132	110.076 ug/l	95
14) Acrylonitrile	4.99	53	155214	102.988 ug/l	99
15) Acetone	3.82	58	47670	96.601 ug/l	96
16) Carbon Disulfide	4.04	76	136703	20.429 ug/l	99
17) Allyl chloride	4.31	41	88098	20.218 ug/l	98
18) Methylene Chloride	4.54	84	66805	20.518 ug/l	99
19) trans-1,2-Dichloroethene	5.03	96	61106	20.355 ug/l	97
20) Diisopropyl ether	5.95	45	182344	20.197 ug/l	98
21) 1,1-Dichloroethane	5.84	63	106841	20.363 ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	72586	20.716 ug/l	99
23) tert-Butyl Alcohol	4.82	59	57546	98.096 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	182473	20.359 ug/l	100
25) Chloroform	7.37	83	108042	20.622 ug/l	99
26) Cyclohexane	7.65	56	98207	20.176 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	80432	20.263 ug/l	99
30) 2-Butanone	6.84	43	211245	101.087 ug/l	99
31) 2,2-Dichloropropane	6.82	77	69947	18.942 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	88420	20.161 ug/l	99
33) Carbon Tetrachloride	7.77	117	73221	19.706 ug/l	99
34) Benzene	8.04	78	257208	20.336 ug/l	99
35) Methacrylonitrile	7.17	41	33876	19.197 ug/l	94
36) 1,2-Dichloroethane	8.12	62	81492	20.570 ug/l	99
37) Trichloroethene	8.83	130	71711	20.262 ug/l	98
38) Methylcyclohexane	9.08	83	101331	20.136 ug/l	97
39) 1,2-Dichloropropane	9.12	63	66053	20.392 ug/l	98
40) Dibromomethane	9.21	93	43746	20.368 ug/l	100

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	75464	19.622	ug/l	99
42) Vinyl Acetate	5.90	43	756875	101.591	ug/l	100
43) Ethyl Acetate	6.93	43	80558	20.142	ug/l	93
44) Isopropyl Acetate	8.17	43	123024	19.811	ug/l	97
45) 1,4-Dioxane	9.21	88	26464	398.387	ug/l	91
46) Methyl methacrylate	9.20	41	59987	19.445	ug/l	99
47) n-amyl Acetate	12.07	43	101520	19.769	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	76719	18.955	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	92784	19.578	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	64177	20.118	ug/l	99
51) Ethyl methacrylate	10.43	69	96151	19.923	ug/l	99
52) 1,3-Dichloropropane	10.71	76	104523	20.210	ug/l	99
53) Dibromochloromethane	10.90	129	59440	19.034	ug/l	98
54) 1,2-Dibromoethane	11.00	107	66070	19.848	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	161341	95.442	ug/l	99
56) Bromoform	12.13	173	41718	18.467	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	400958	102.264	ug/l	100
59) 2-Hexanone	10.75	43	283375	101.119	ug/l	98
61) Tetrachloroethene	10.63	164	74305	20.590	ug/l	98
62) Toluene	10.16	91	281541	20.142	ug/l	99
64) Chlorobenzene	11.43	112	173096	20.416	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	61160	20.005	ug/l	98
66) Ethyl Benzene	11.51	91	300822	20.206	ug/l	99
67) m/p-Xylenes	11.62	106	229964	40.355	ug/l	98
68) o-Xylene	11.95	106	113369	20.321	ug/l	98
69) Styrene	11.96	104	178709	19.716	ug/l	99
70) Isopropylbenzene	12.25	105	298570	20.484	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	89933	20.465	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	77419m	20.350	ug/l	
73) Bromobenzene	12.53	156	78518	20.294	ug/l	99
74) n-propylbenzene	12.59	91	309507	20.121	ug/l	100
75) 2-Chlorotoluene	12.67	91	196057	20.549	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	242416	20.219	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19191	17.679	ug/l	100
78) 4-Chlorotoluene	12.77	91	178372	20.018	ug/l	100
79) tert-butylbenzene	12.99	119	218973	20.614	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	235625	20.202	ug/l	99
81) sec-Butylbenzene	13.17	105	274746	20.446	ug/l	100
82) p-Isopropyltoluene	13.29	119	244596	20.132	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	118377	19.633	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	108699	18.926	ug/l	100
85) n-Butylbenzene	13.61	91	171469	18.910	ug/l	99
86) Hexachloroethane	13.87	117	35847	18.926	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	122684	20.018	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13035	18.896	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	50681	20.345	ug/l	98
90) Hexachlorobutadiene	15.01	225	45204	20.204	ug/l	98
91) Naphthalene	15.13	128	150879	18.536	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	60306	18.798	ug/l	99

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

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

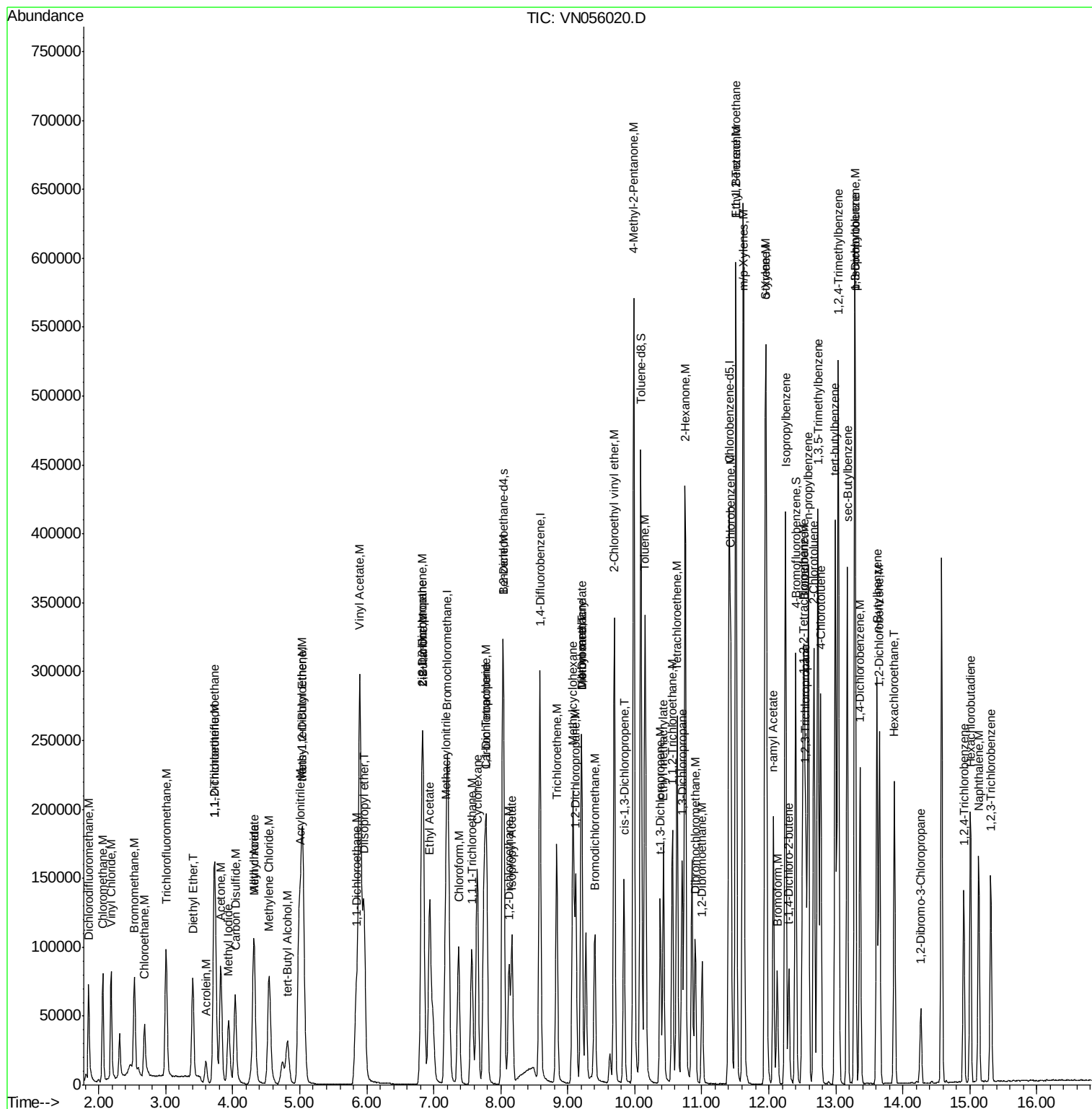
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
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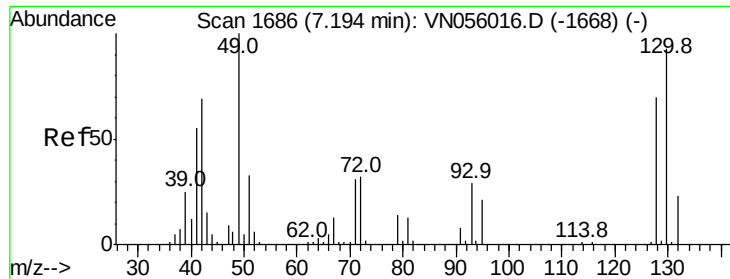
Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN060619

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

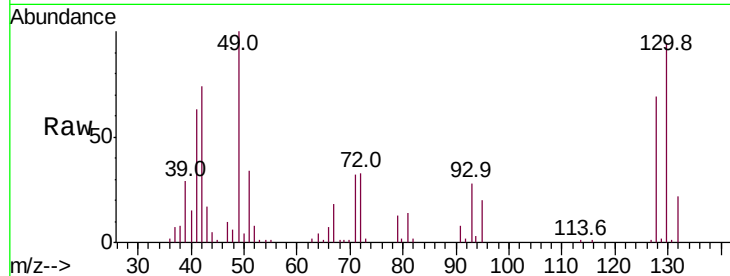
ClientSampleId :

ICVVN060619

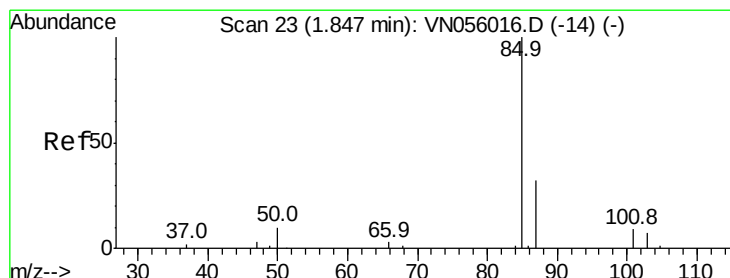
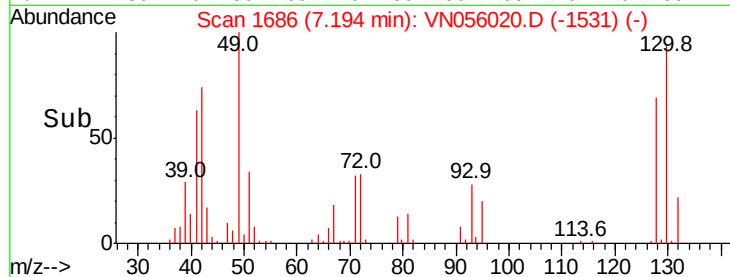
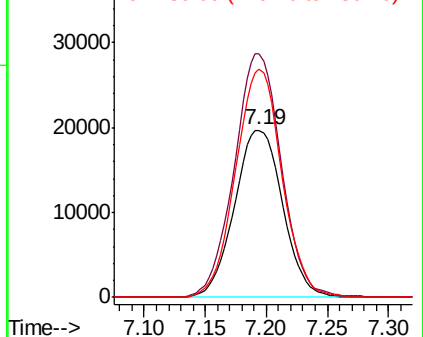
Tot Ion:	128	Resp:	53877
Ion	Ratio	Lower	Upper
128	100		
49	142.6	0.0	355.8
130	131.4	0.0	326.3

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.210 ug/l

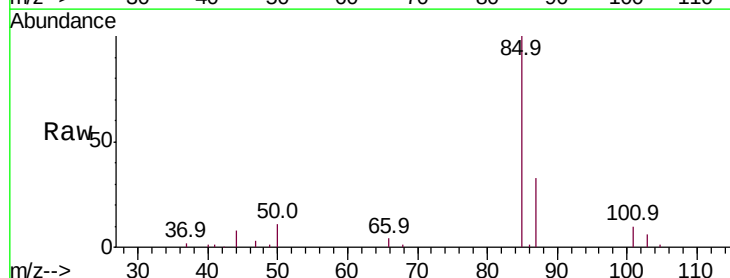
RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

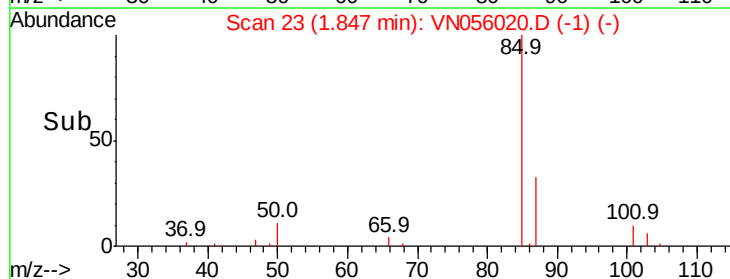
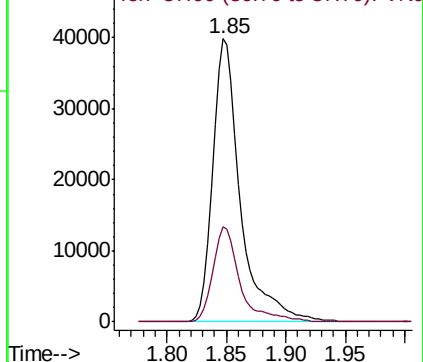
Lab File: VN056020.D

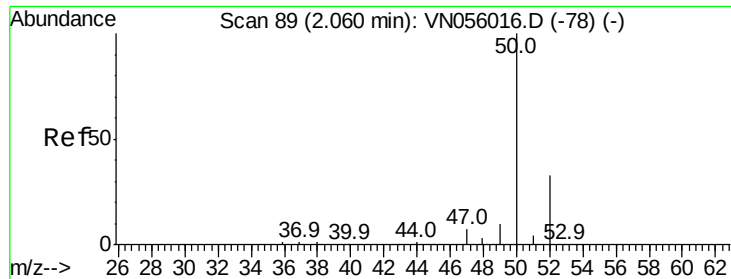
Acq: 5 Jun 2019 21:23

Tgt Ion:	85	Resp:	64273
Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.9	47.7



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





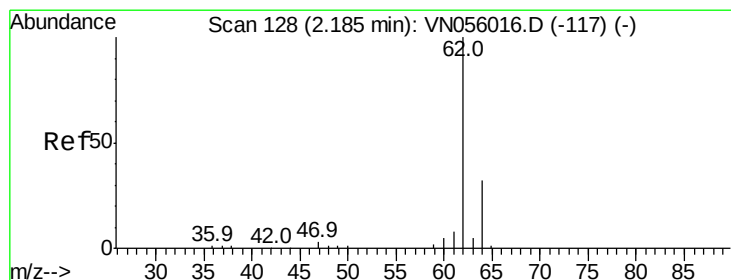
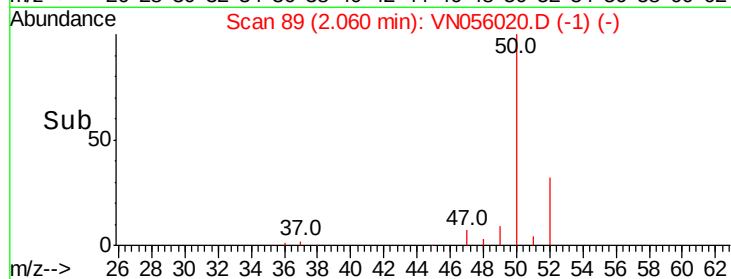
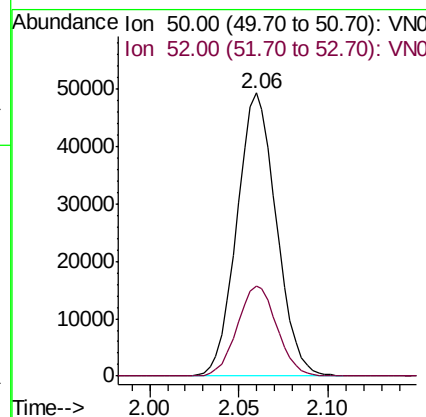
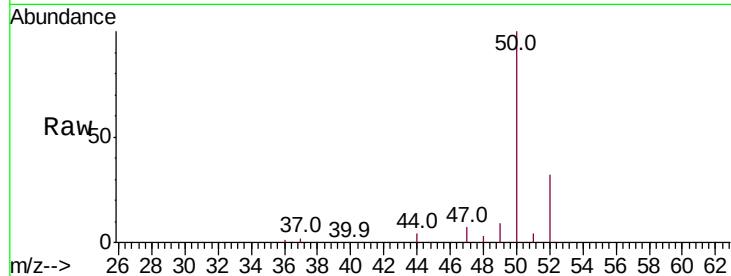
#3
Chloromethane
Concen: 21.381 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
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ClientSampled :
ICVVN060619

Tot Ion	50	52	Ratio	Lower	Upper
50	100				
52	32.0		26.7	40.1	

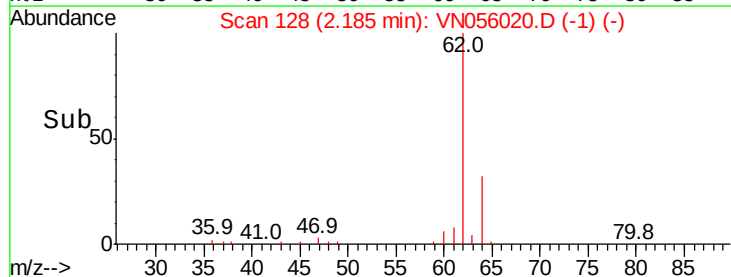
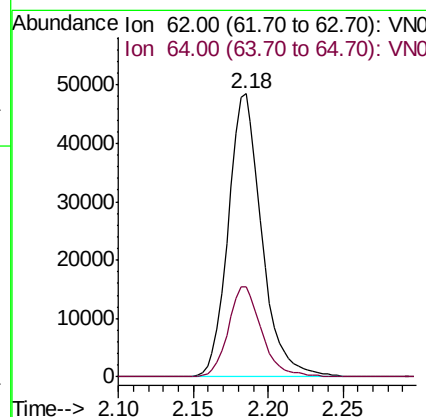
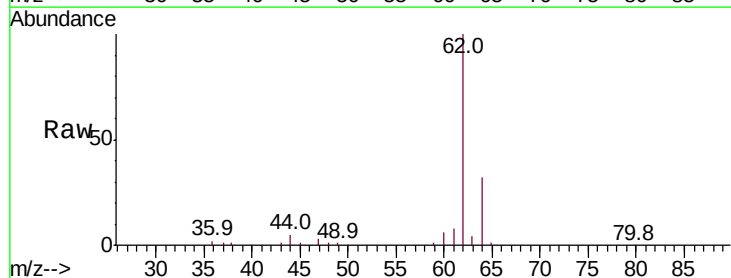
Manual Integrations
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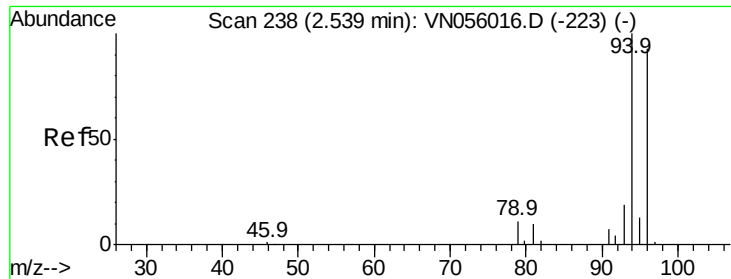
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#4
Vinyl Chloride
Concen: 20.928 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion	62	64	Ratio	Lower	Upper
62	100				
64	32.0		25.8	38.8	





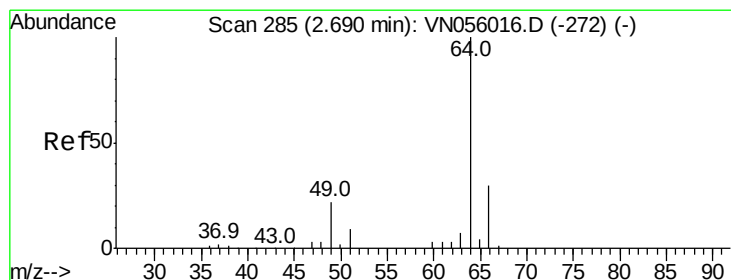
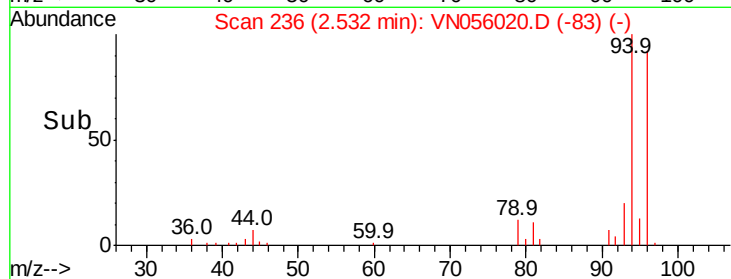
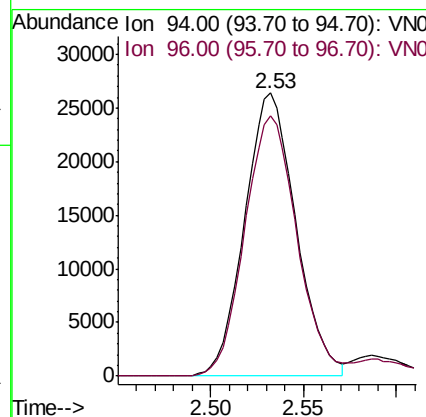
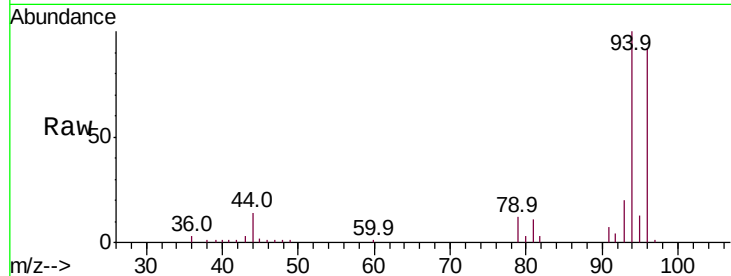
#5
Bromomethane
Concen: 22.318 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.01 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion: 94 Resp: 50631
Ion Ratio Lower Upper
94 100
96 91.9 74.1 111.1

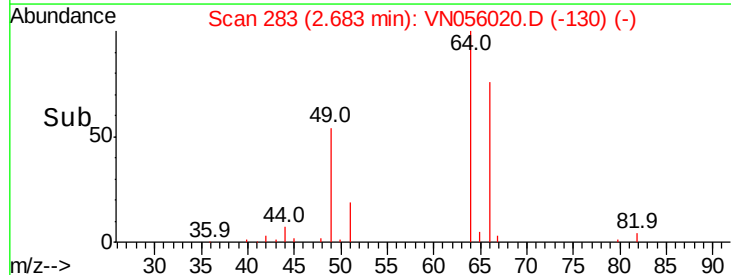
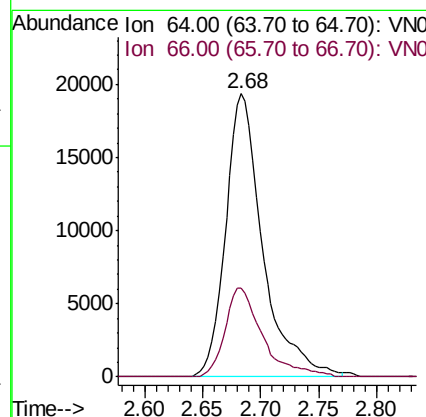
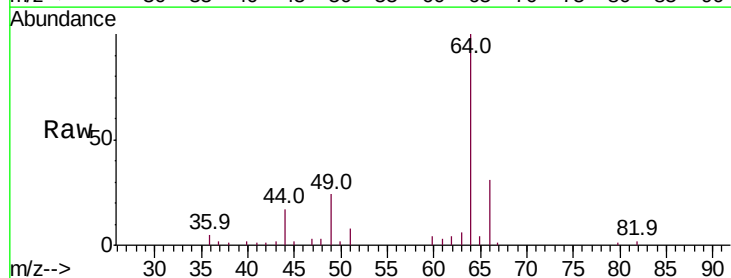
Manual Integrations
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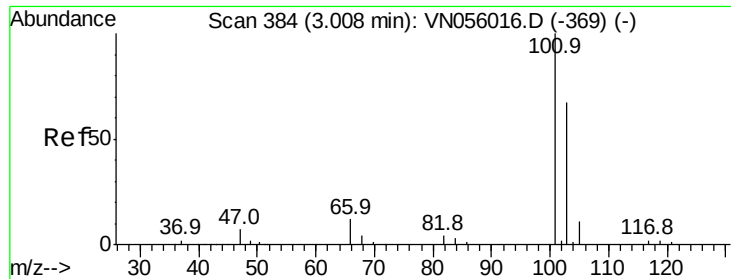
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6/6/2019 10:19:48 AM



#6
Chloroethane
Concen: 21.097 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 64 Resp: 43077
Ion Ratio Lower Upper
64 100
66 31.4 23.7 35.5





#7

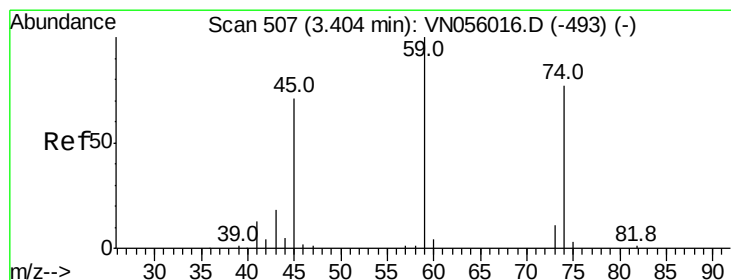
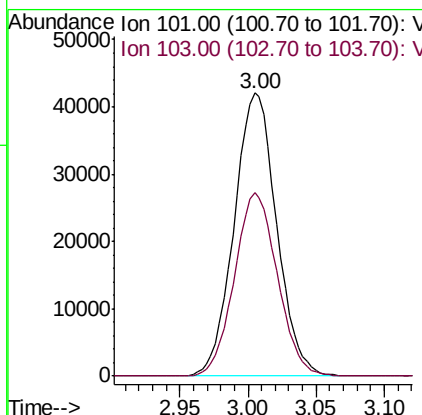
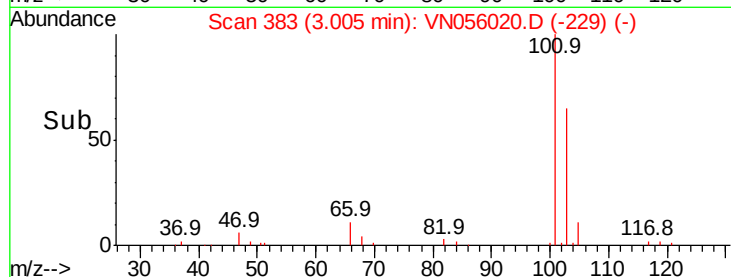
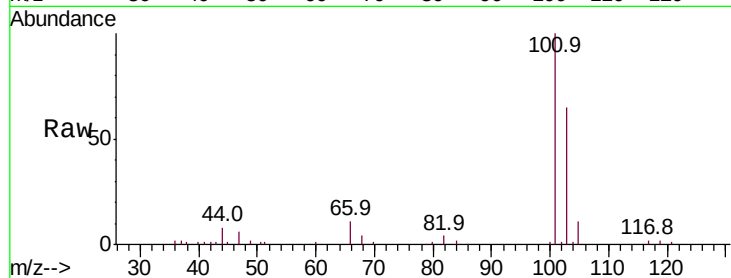
Trichlorofluoromethane
Concen: 20.374 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.4	80.0

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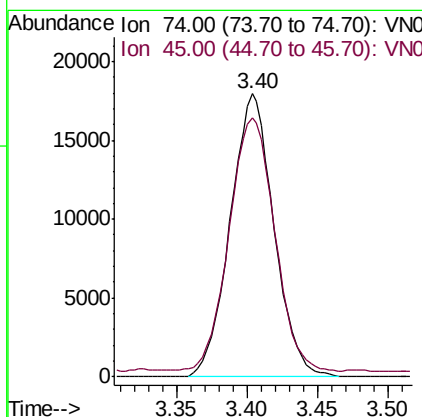
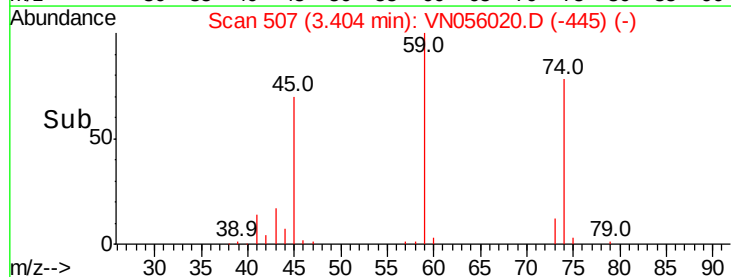
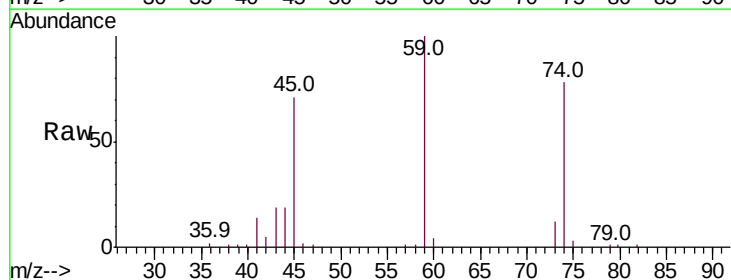
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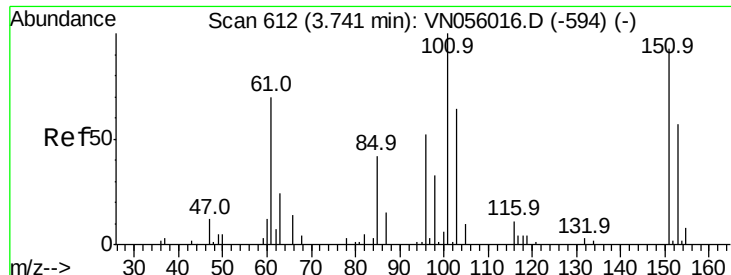


#8

Diethyl Ether
Concen: 20.505 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.284 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

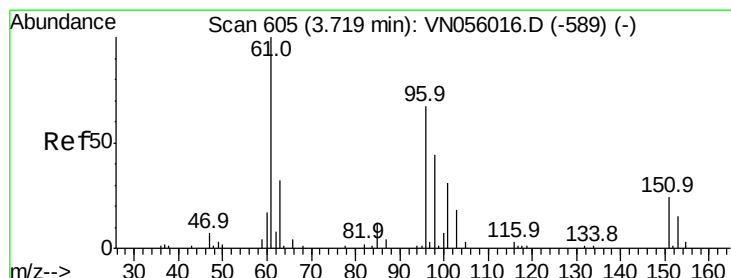
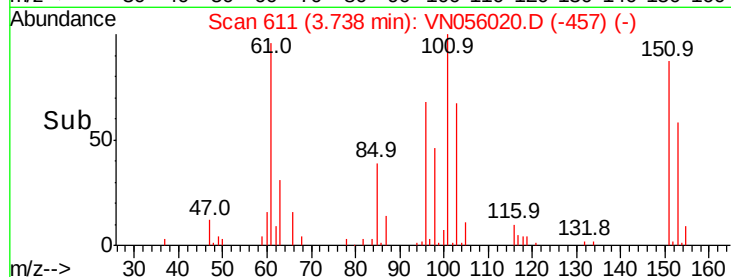
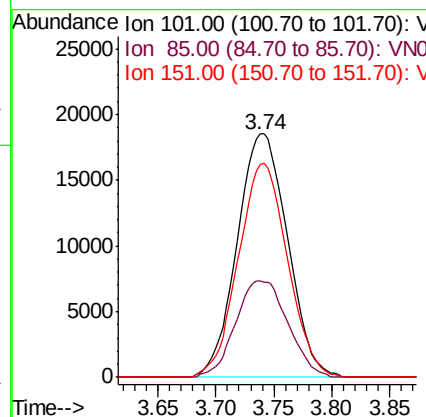
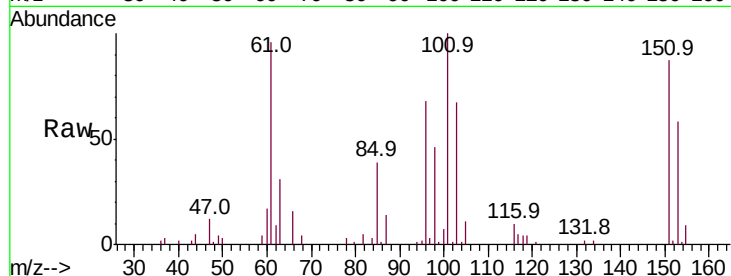
ClientSampleId :

ICVVN060619

Tot Ion:	101	Resp:	55923
Ion Ratio	Lower	Upper	
101	100		
85	22.6	0.0	82.0
151	86.0	0.0	177.0

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#10

1,1-Dichloroethene

Concen: 20.788 ug/l

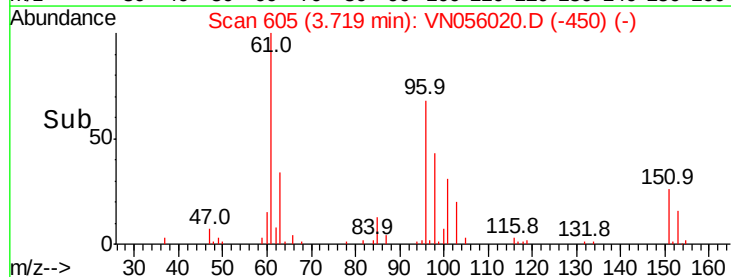
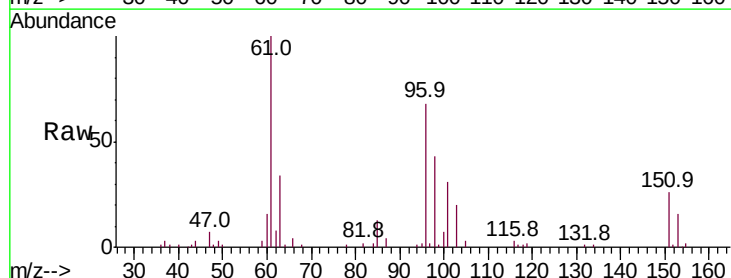
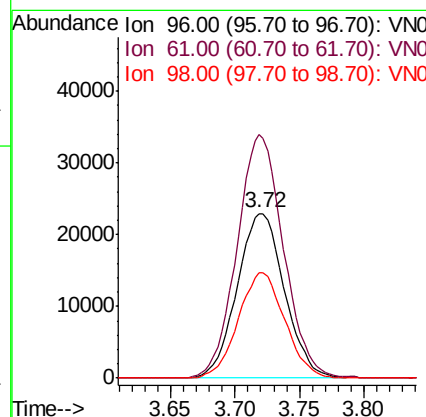
RT: 3.72 min Scan# 605

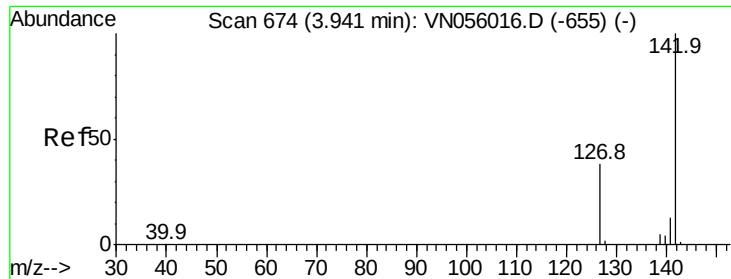
Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Tgt Ion:	96	Resp:	58464
Ion Ratio	Lower	Upper	
96	100		
61	147.3	119.7	179.5
98	64.0	52.3	78.5





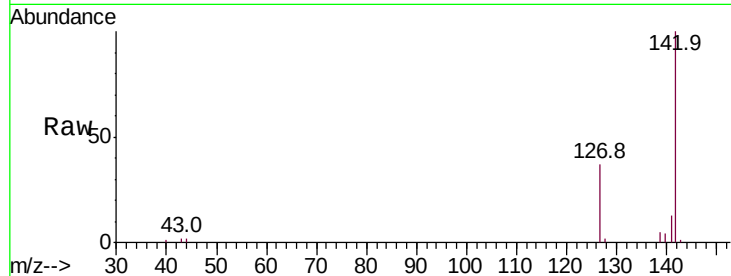
#11
Methvl Iodide
Concen: 18.446 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

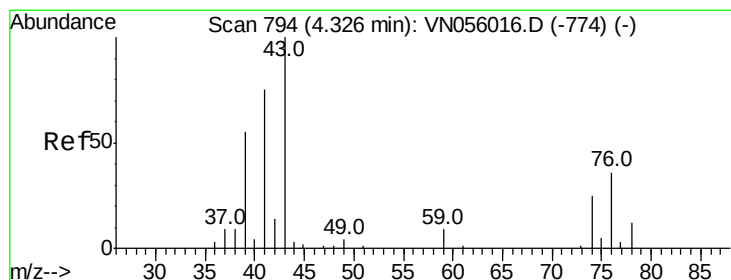
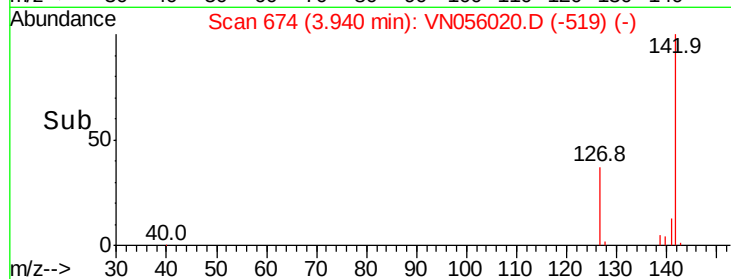
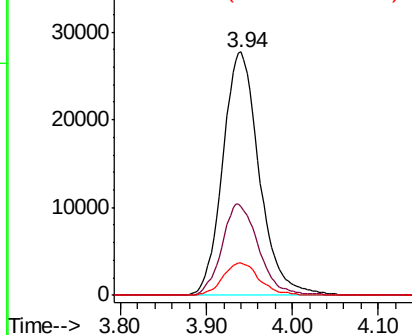
Tot Ion:142 Resp: 81849
Ion Ratio Lower Upper
142 100
127 36.7 19.0 57.0
141 13.5 6.7 20.0

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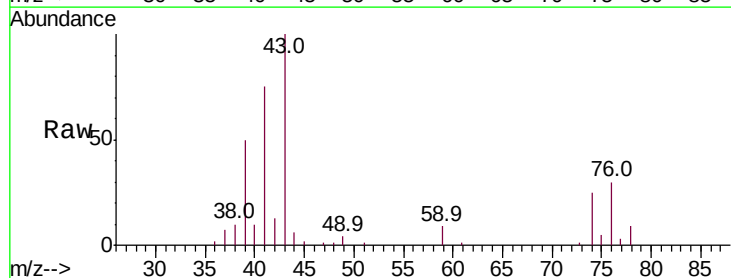


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

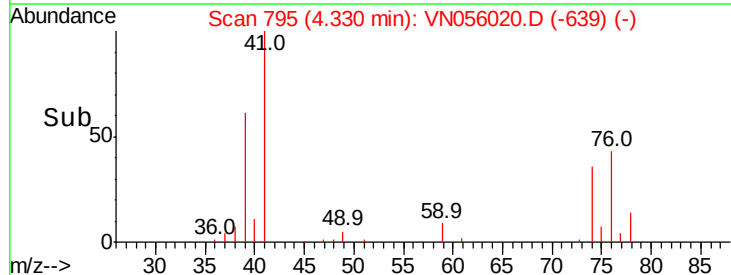
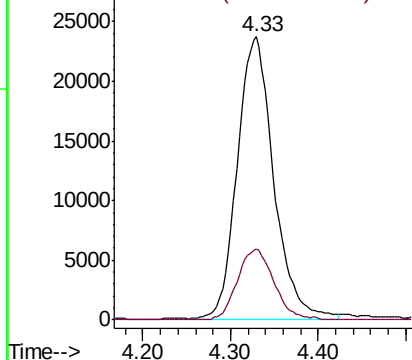


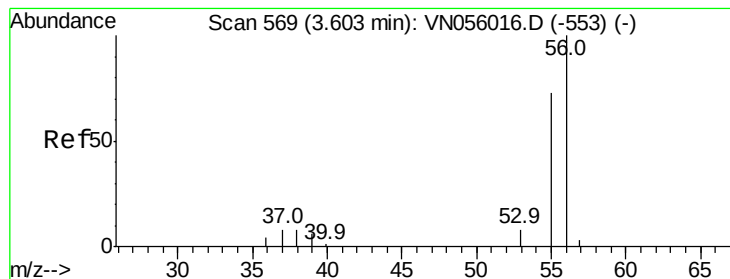
#12
Methyl Acetate
Concen: 20.447 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 43 Resp: 69102
Ion Ratio Lower Upper
43 100
74 25.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 110.076 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampled :

ICV060619

Tot Ion: 56 Resp: 18132

Ion Ratio Lower Upper

56 100

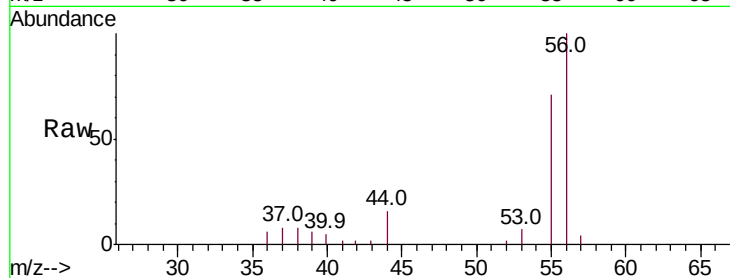
55 68.4 57.9 86.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

8000

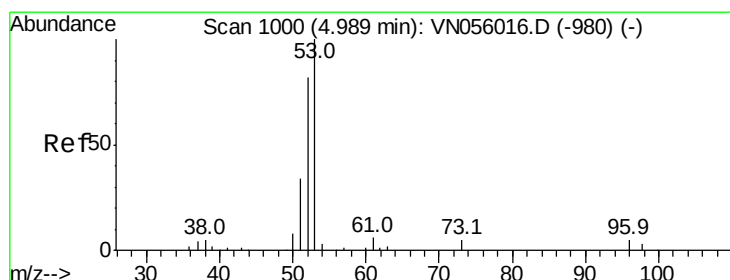
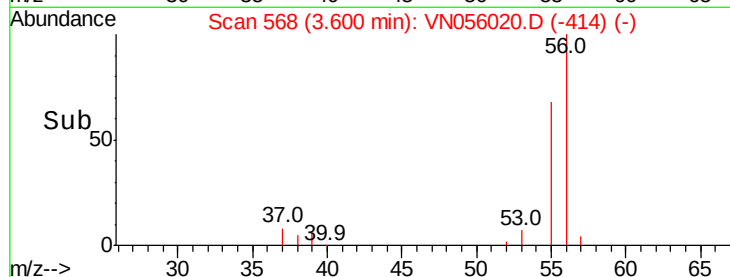
6000

4000

2000

0

Time-->



#14

Acrylonitrile

Concen: 102.988 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

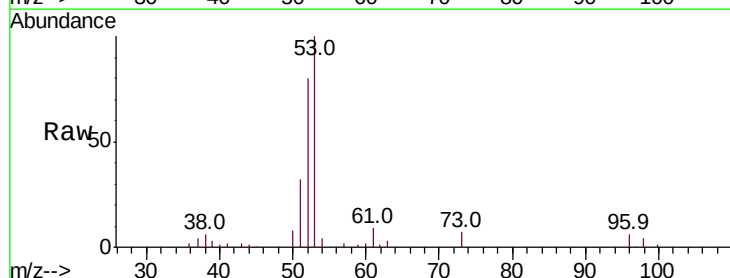
Tgt Ion: 53 Resp: 155214

Ion Ratio Lower Upper

53 100

52 82.7 40.8 122.2

51 35.4 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

60000

50000

40000

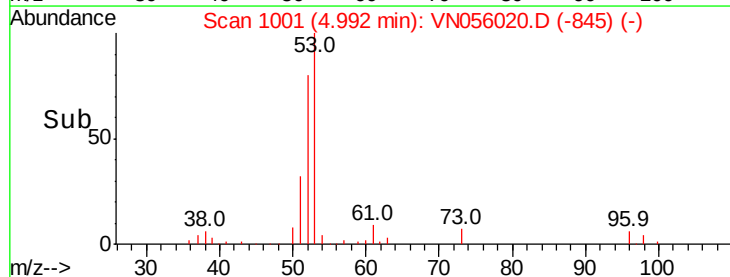
30000

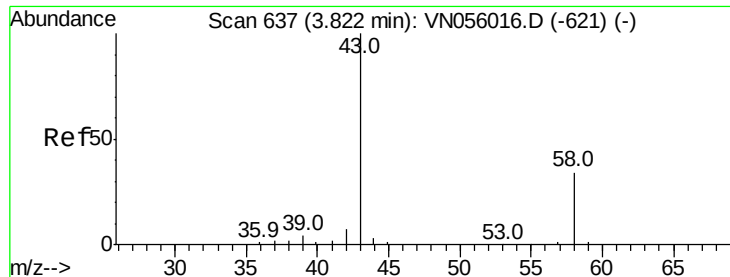
20000

10000

0

Time-->





#15

Acetone

Concen: 96.601 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN060619

Tot Ion: 58 Resp: 47670

Ion Ratio Lower Upper

58 100

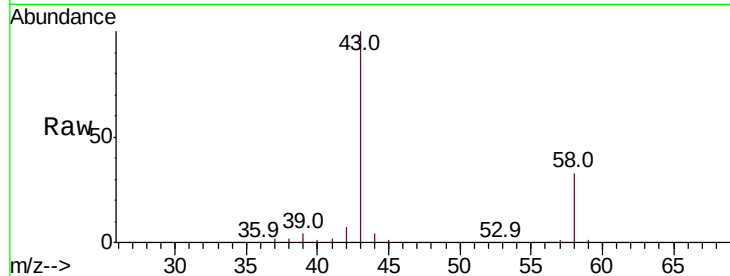
43 298.3 232.5 348.7

Manual Integrations

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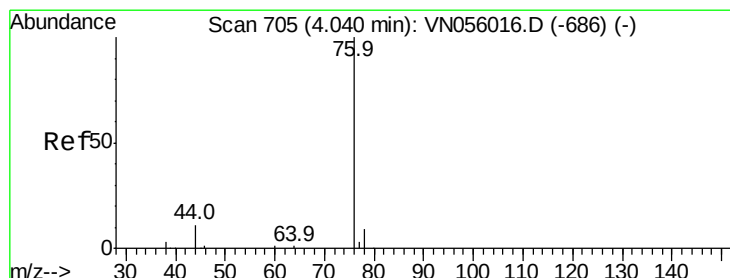
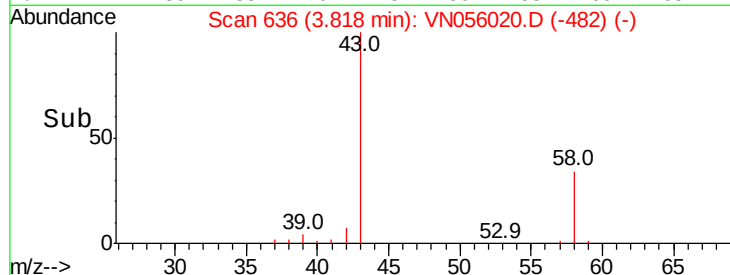
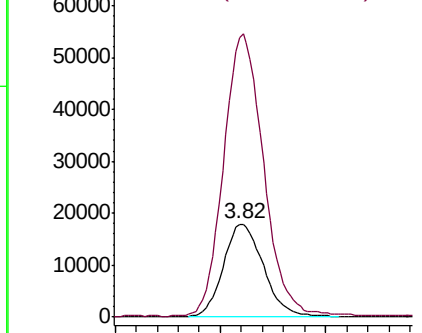
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.429 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056020.D

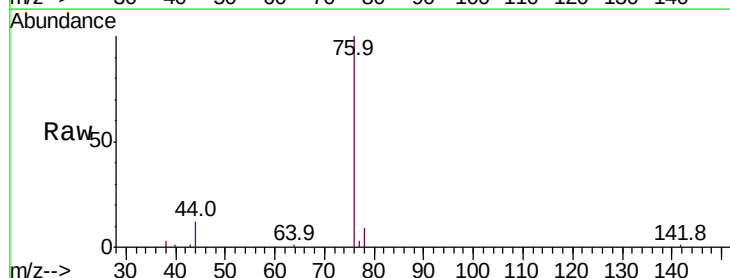
Acq: 5 Jun 2019 21:23

Tgt Ion: 76 Resp: 136703

Ion Ratio Lower Upper

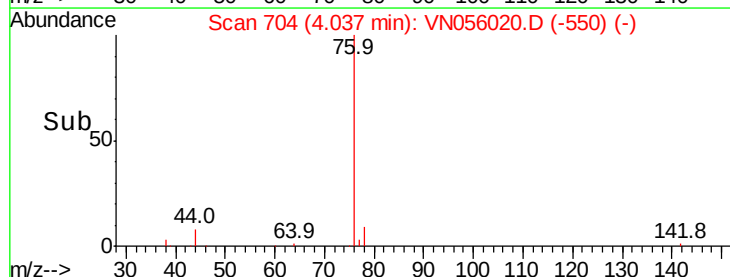
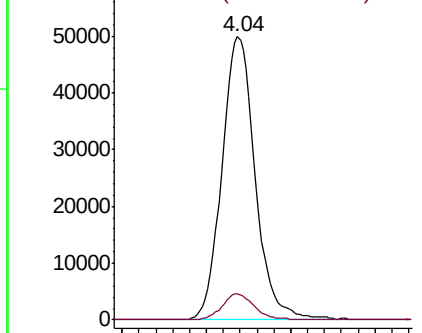
76 100

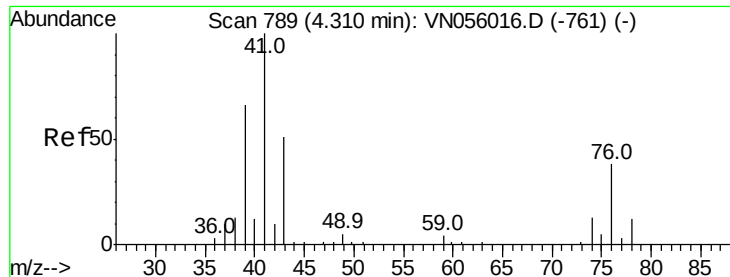
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





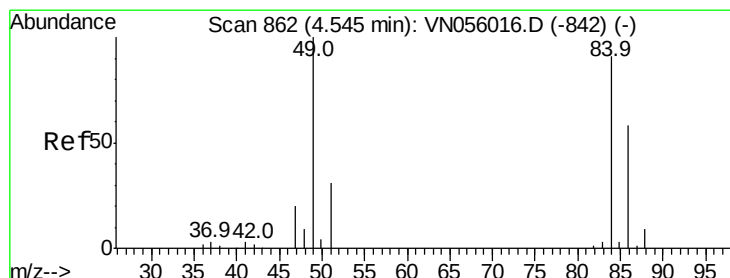
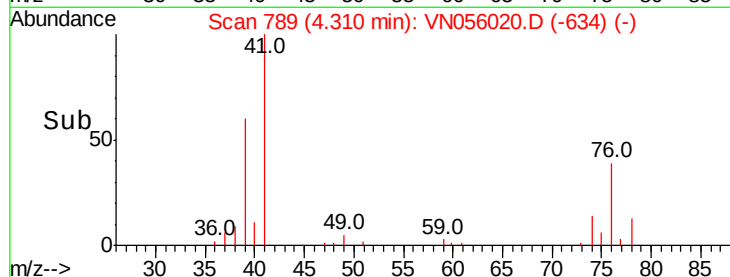
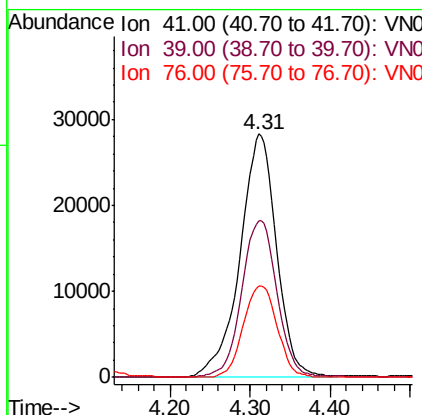
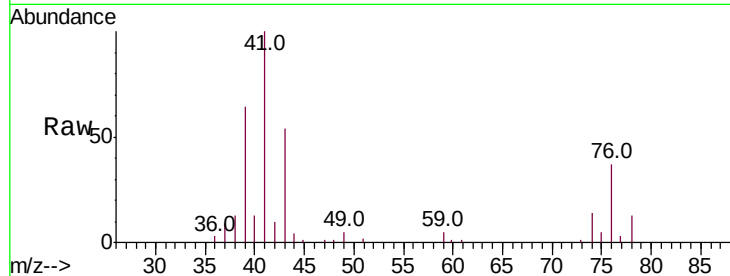
#17
Allvl chloride
Concen: 20.218 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion	41	Resp:	88098
Ion	Ratio	Lower	Upper
41	100		
39	64.1	33.0	99.0
76	37.5	18.9	56.9

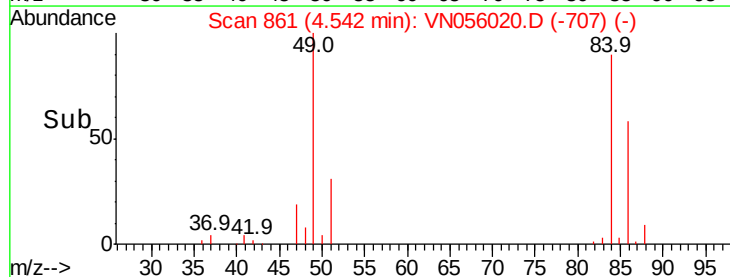
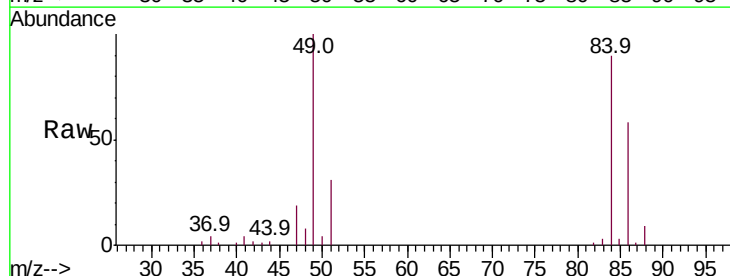
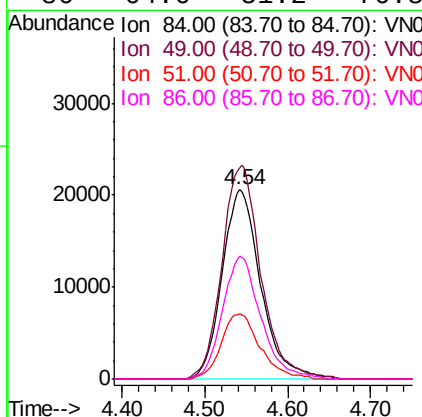
Manual Integrations
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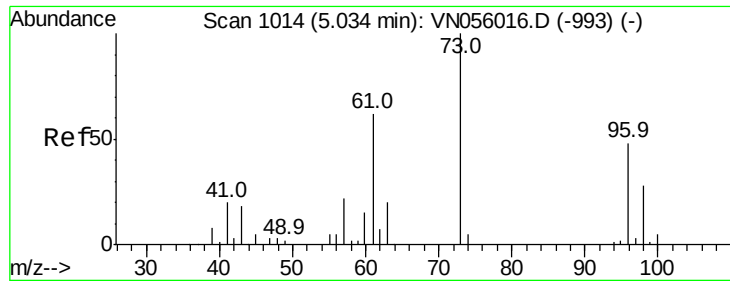
MMDadoda
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#18
Methylene Chloride
Concen: 20.518 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion	84	Resp:	66805
Ion	Ratio	Lower	Upper
84	100		
49	110.5	87.6	131.4
51	34.3	27.0	40.4
86	64.6	51.2	76.8





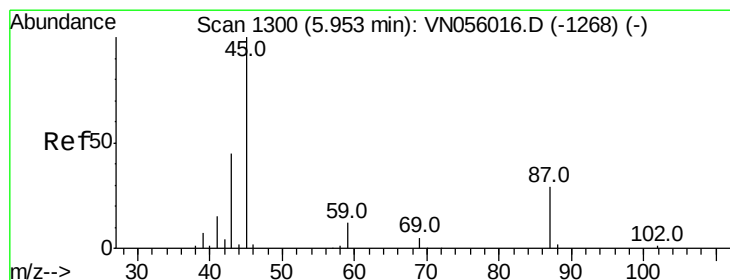
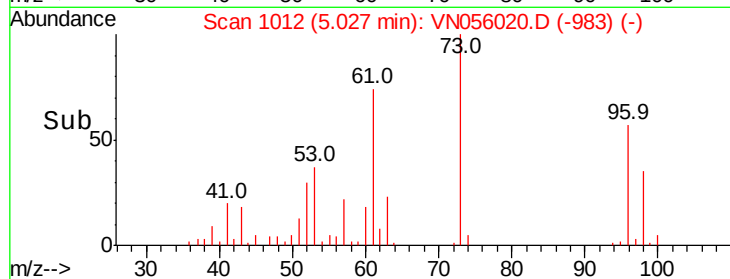
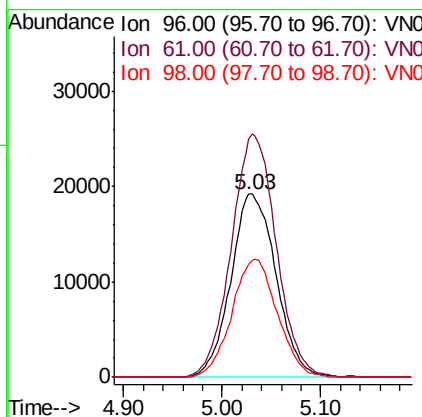
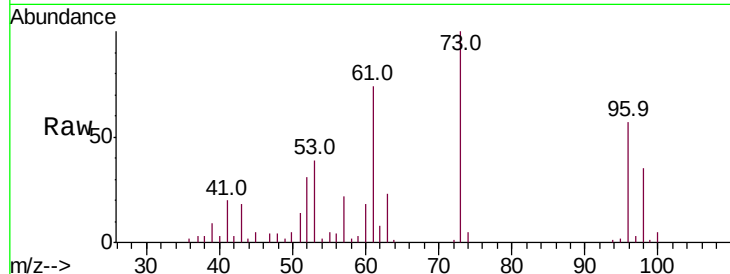
#19
trans-1,2-Dichloroethene
Concen: 20.355 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	102.5	153.7
98	61.8	46.9	70.3

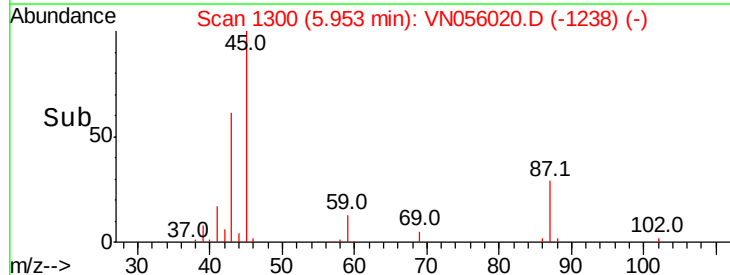
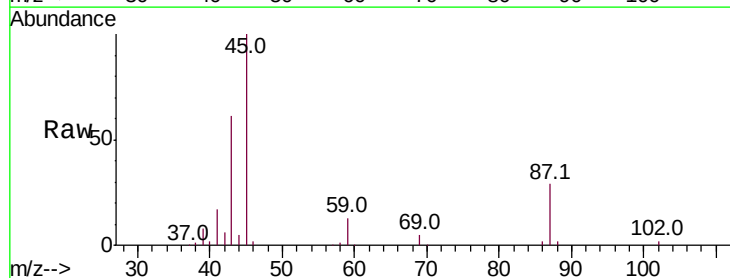
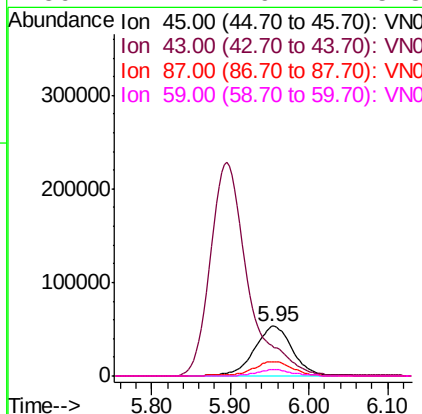
Manual Integrations
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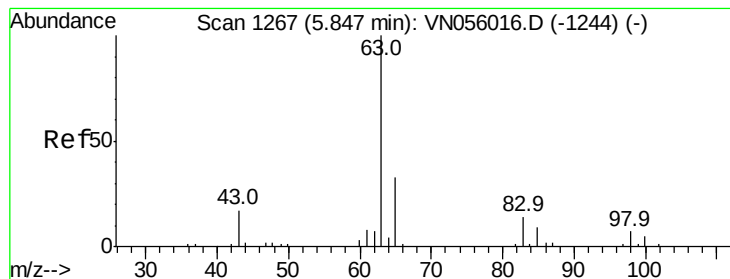
MMDadoda
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#20
Diisopropyl ether
Concen: 20.197 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	48.0	72.0
87	28.7	23.4	35.2
59	12.1	9.2	13.8





#21

1,1-Dichloroethane

Concen: 20.363 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

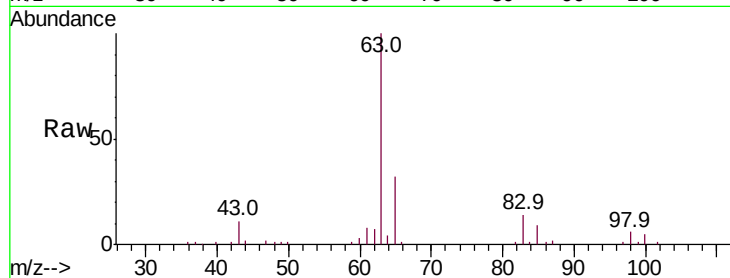
ClientSampleId :

ICVVN060619

Tot Ion:	63	Resp:	106841
Ion Ratio	Lower	Upper	
63	100		
98	6.4	3.5	10.5
100	4.5	2.3	6.9

Manual Integrations
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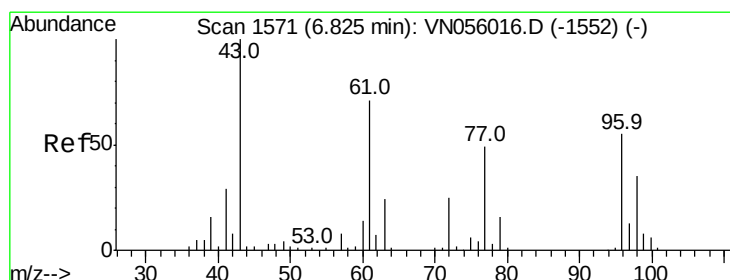
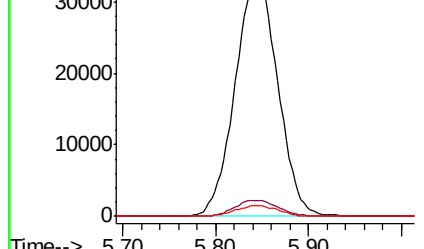
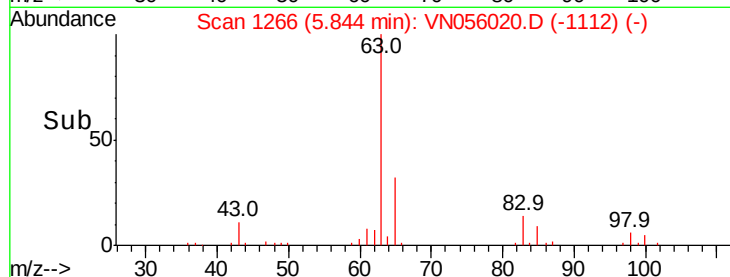


Abundance Ion 63.00 (62.70 to 63.70): VN056016.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN056016.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-1244) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 20.716 ug/l

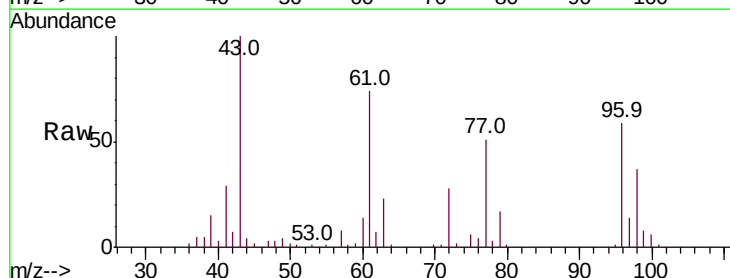
RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Tgt Ion:	96	Resp:	72586
Ion Ratio	Lower	Upper	
96	100		
61	130.3	105.7	158.5
98	64.7	52.0	78.0

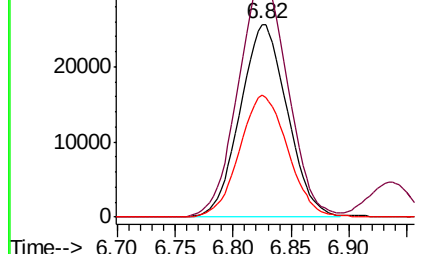
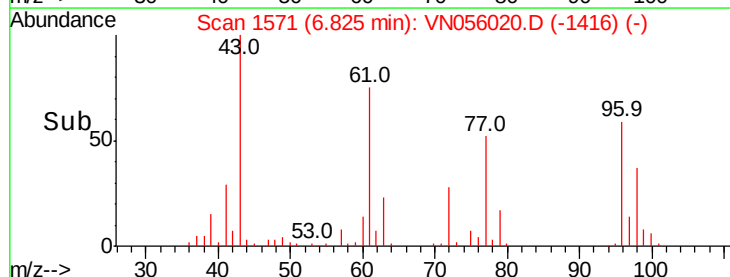


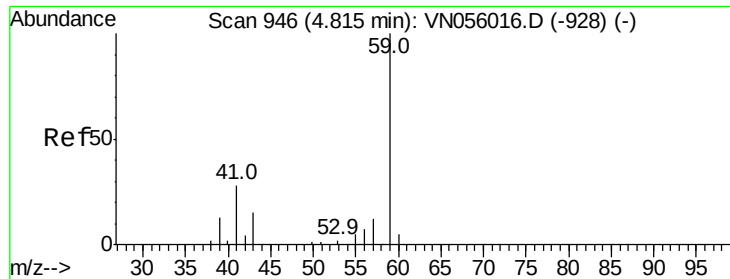
Abundance Ion 96.00 (95.70 to 96.70): VN056016.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN056016.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN056016.D (-1552) (-)

Time-->





#23

tert-Butyl Alcohol

Concen: 98.096 ug/l

RT: 4.82 min Scan# 946

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

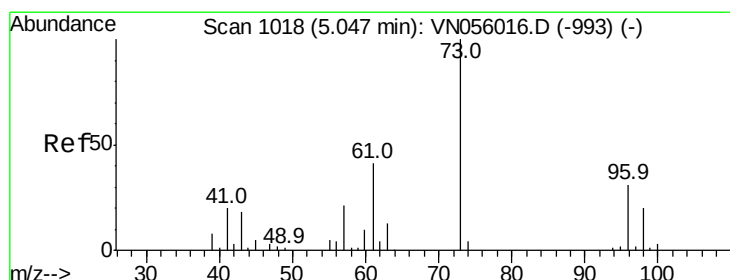
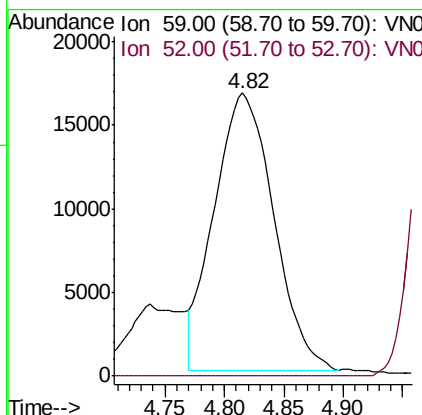
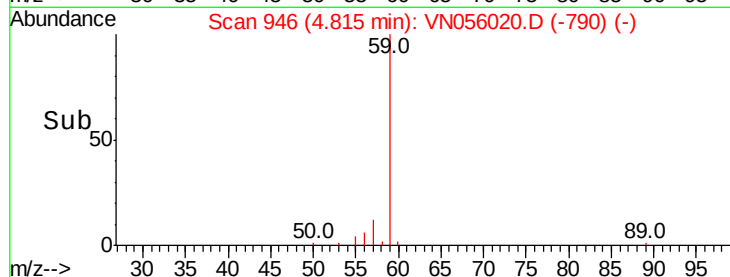
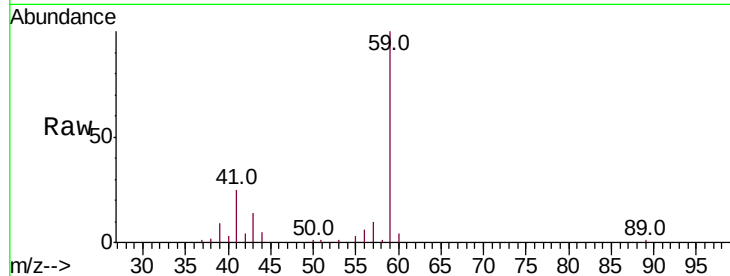
Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

Tot Ion: 59 Resp: 57546

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

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#24

Methyl tert-Butyl Ether

Concen: 20.359 ug/l

RT: 5.05 min Scan# 1018

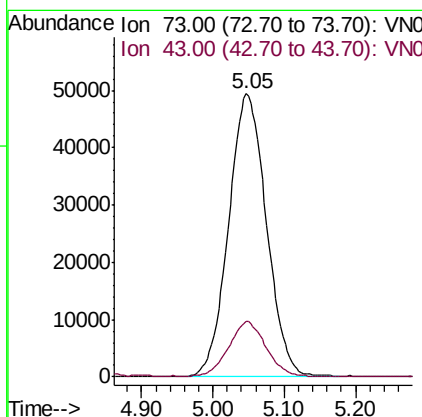
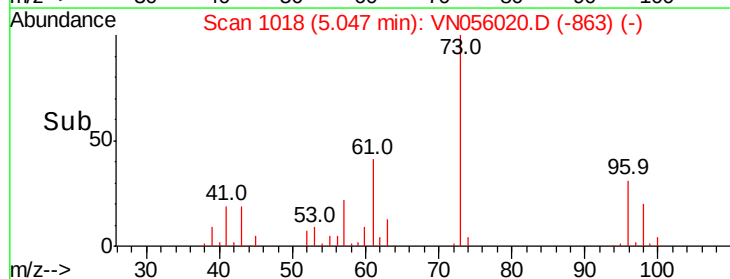
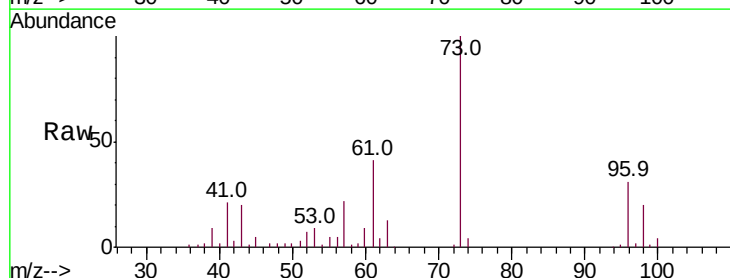
Delta R.T. -0.00 min

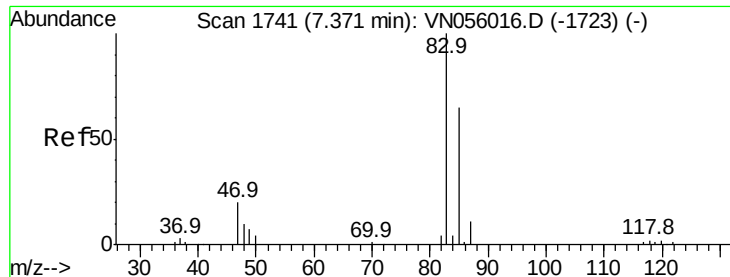
Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Tgt Ion: 73 Resp: 182473

Ion	Ratio	Lower	Upper
73	100		
43	19.4	15.4	23.0





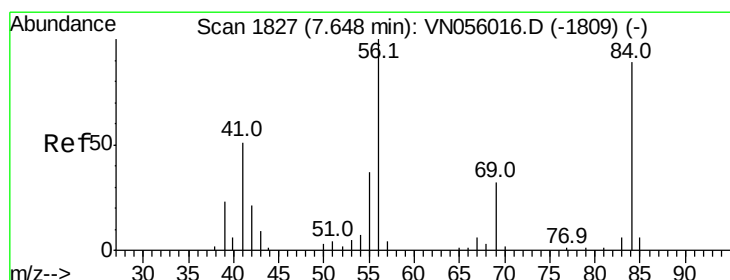
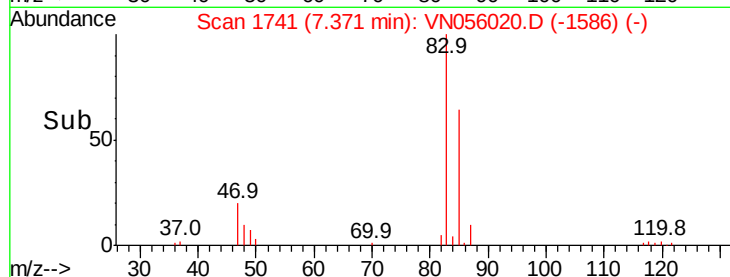
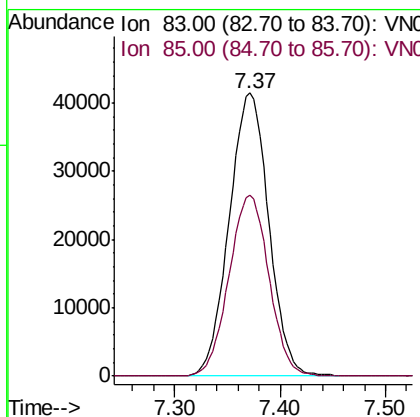
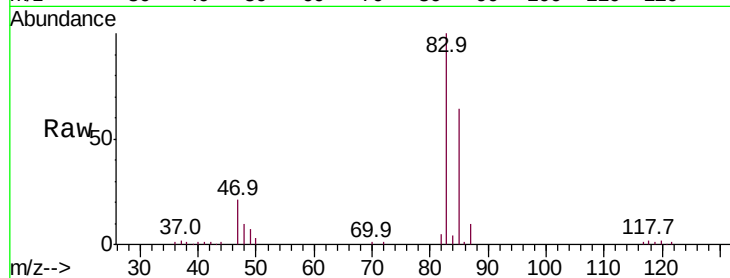
#25
Chloroform
Concen: 20.622 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion: 83 Resp: 108042
Ion Ratio Lower Upper
83 100
85 64.0 52.0 78.0

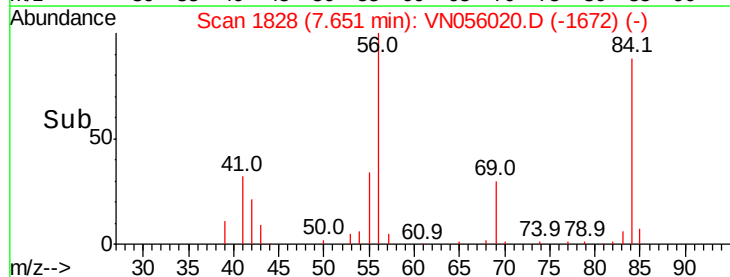
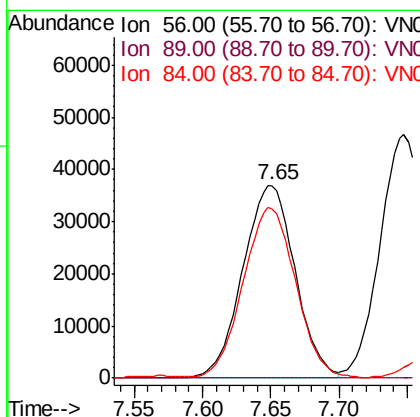
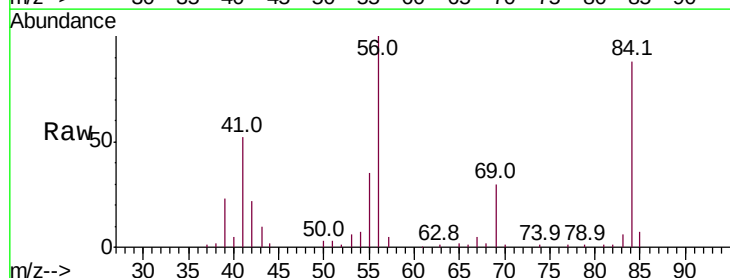
Manual Integrations
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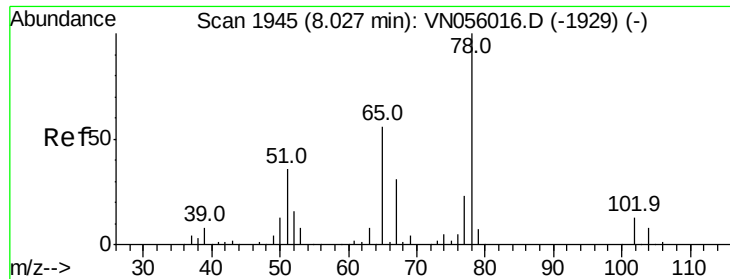
MMDadoda
6/6/2019 10:19:48 AM



#26
Cyclohexane
Concen: 20.176 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 56 Resp: 98207
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 89.3 70.1 105.1





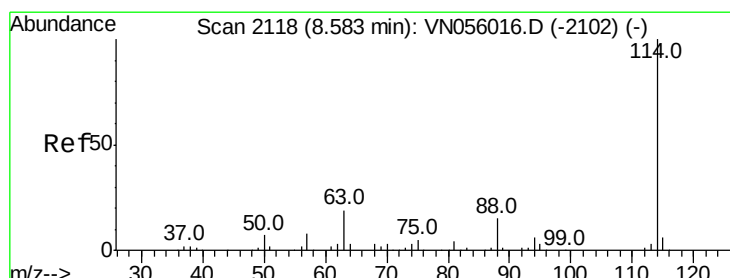
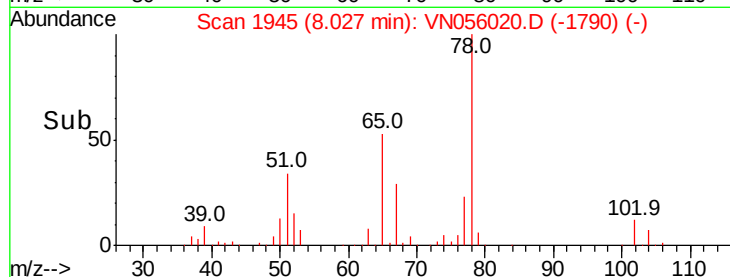
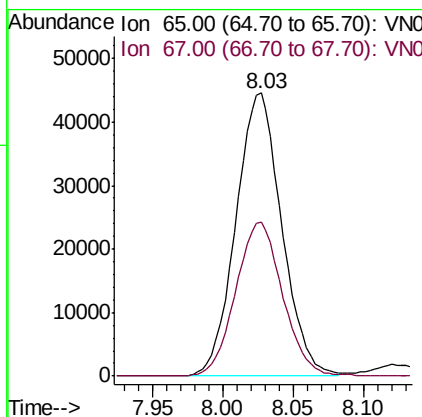
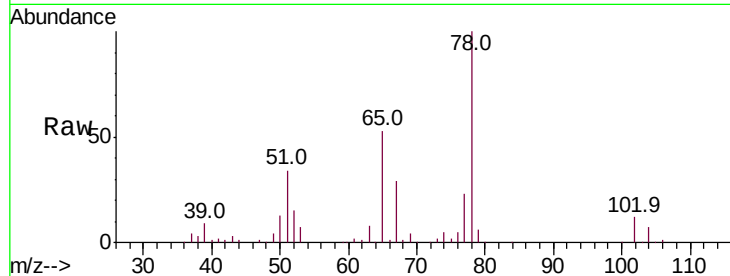
#27
 1,2-Dichloroethane-d4
 Concen: 30.275 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	43.4	65.2

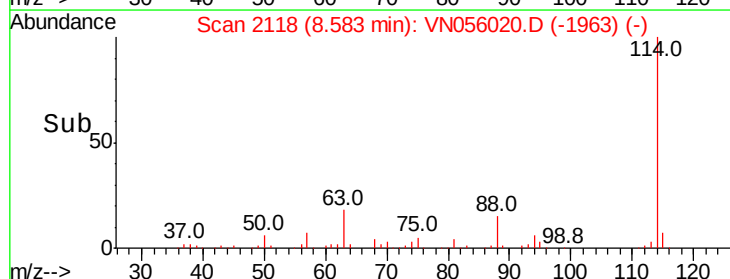
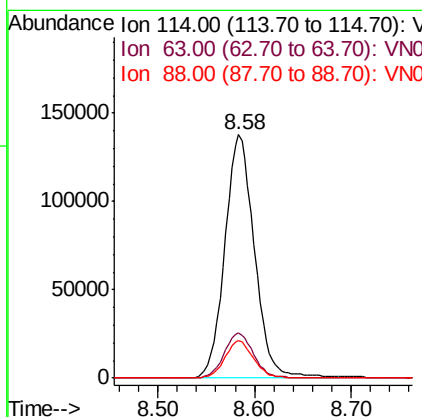
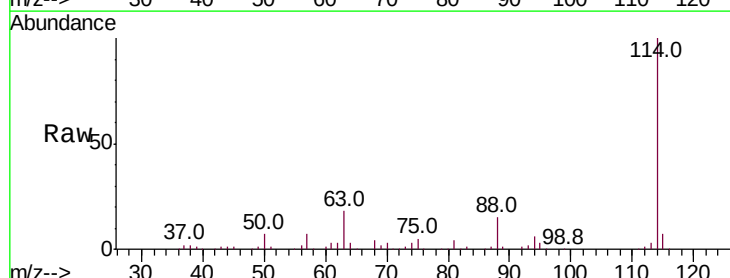
Manual Integrations
 APPROVED

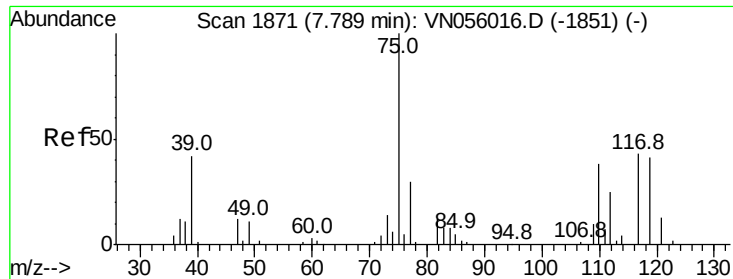
MMDadoda
 6/6/2019 10:19:48 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	14.7	22.1
88	14.7	11.9	17.9





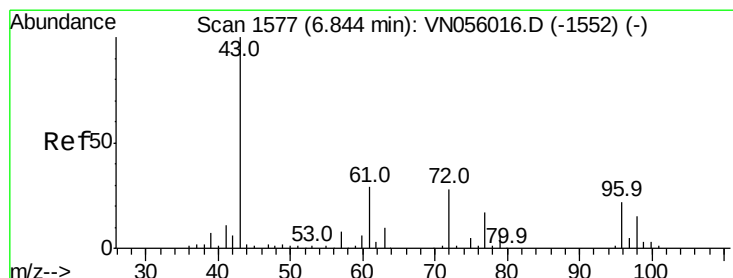
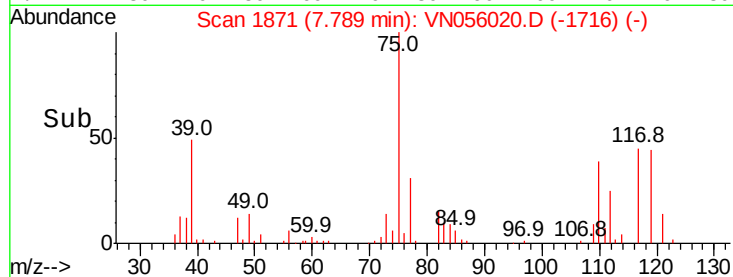
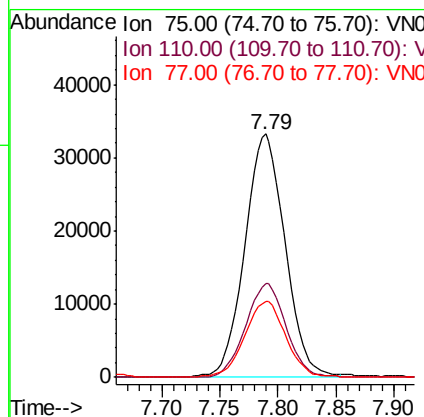
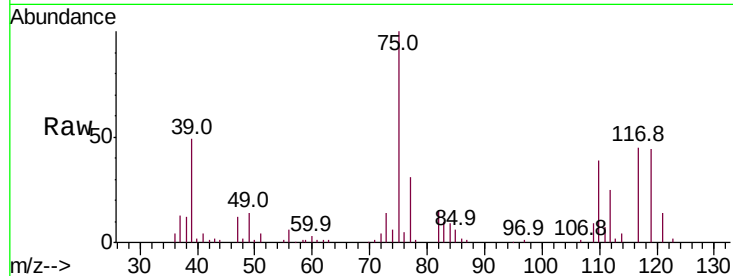
#29
 1,1-Dichloropropene
 Concen: 20.263 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN060619

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.5	0.0	77.0
77	30.2	0.0	62.4

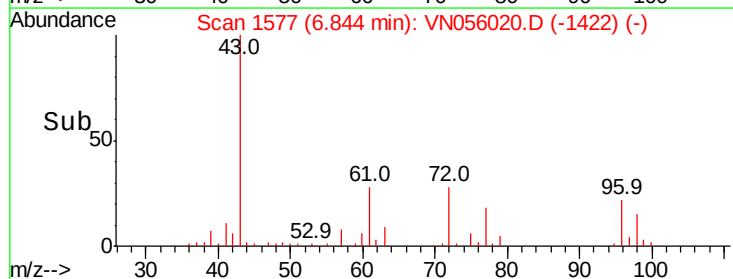
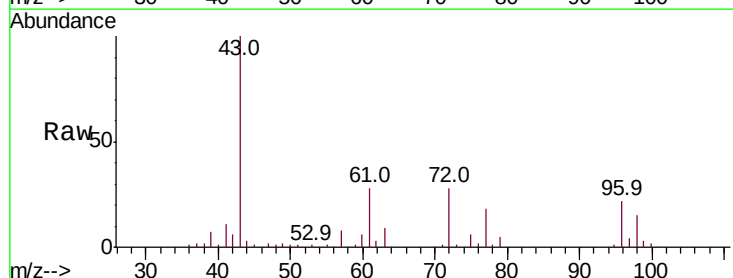
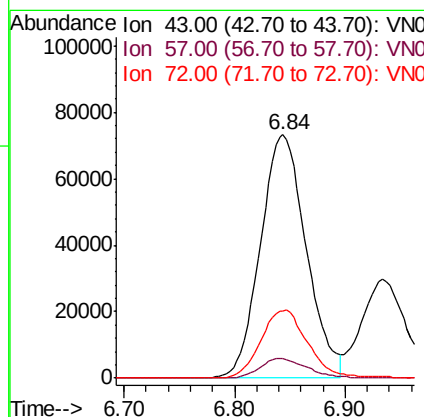
Manual Integrations
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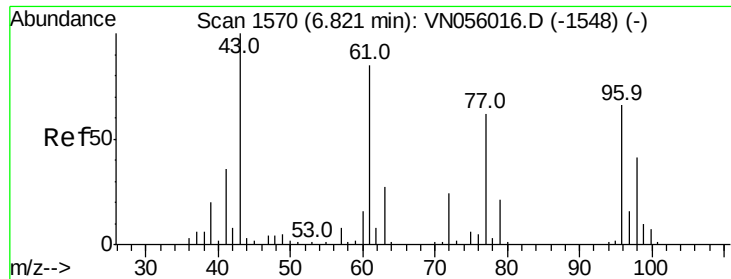
MMDadoda
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#30
 2-Butanone
 Concen: 101.087 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.7	10.1
72	28.3	22.4	33.6





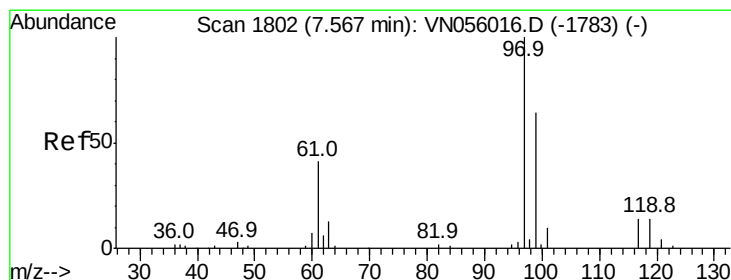
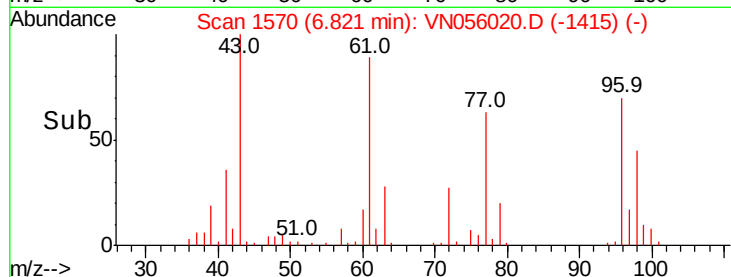
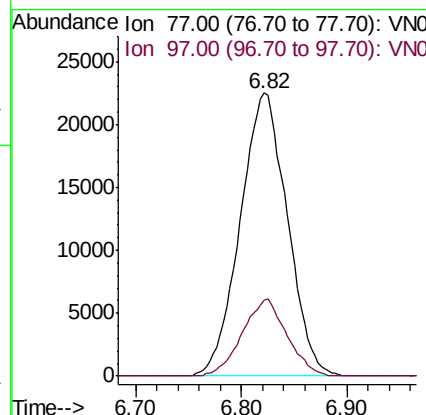
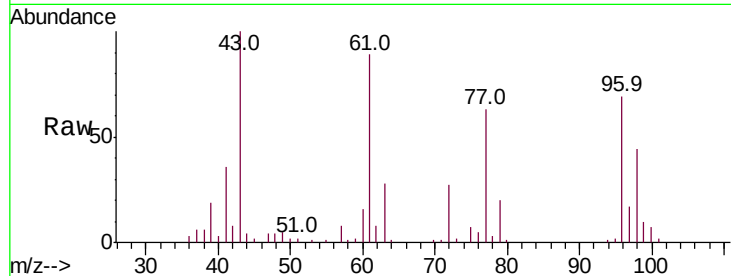
#31
 2,2-Dichloropropane
 Concen: 18.942 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

Tot Ion: 77 Resp: 69947
 Ion Ratio Lower Upper
 77 100
 97 25.8 20.8 31.2

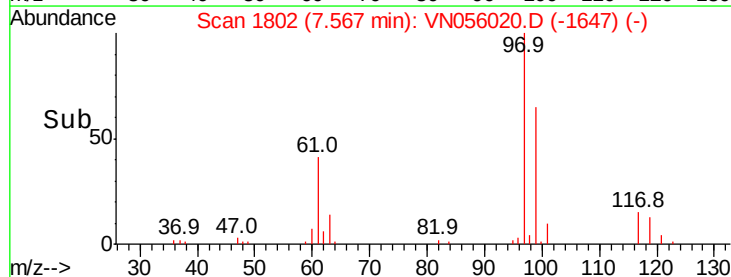
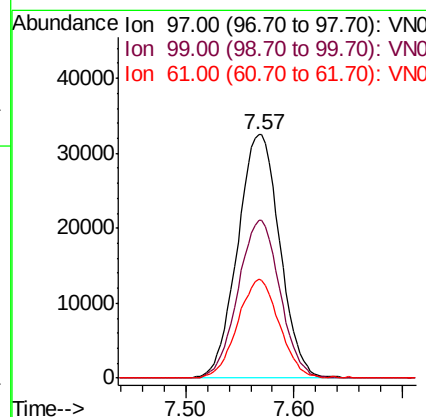
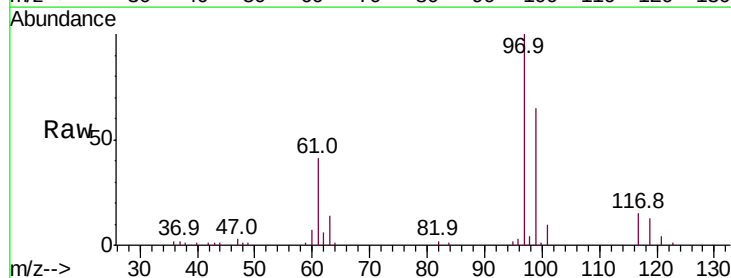
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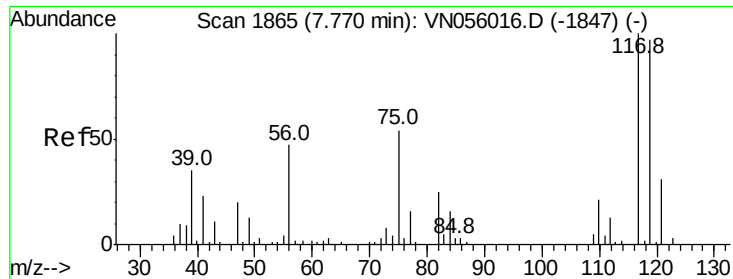
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 20.161 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion: 97 Resp: 88420
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.5 77.3
 61 39.8 32.9 49.3





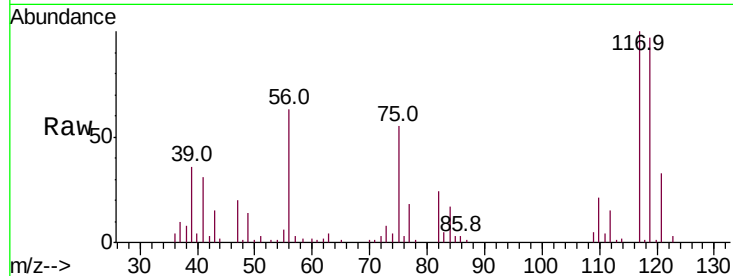
#33
Carbon Tetrachloride
Concen: 19.706 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.3	115.9
121	32.6	25.0	37.4

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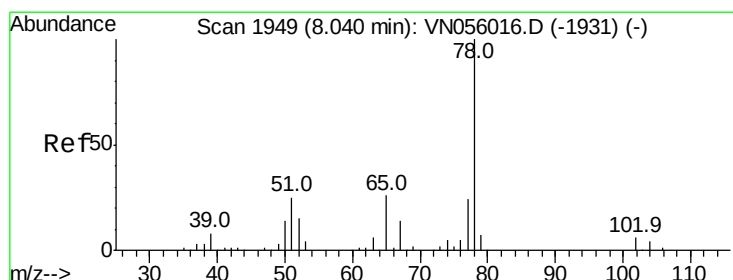
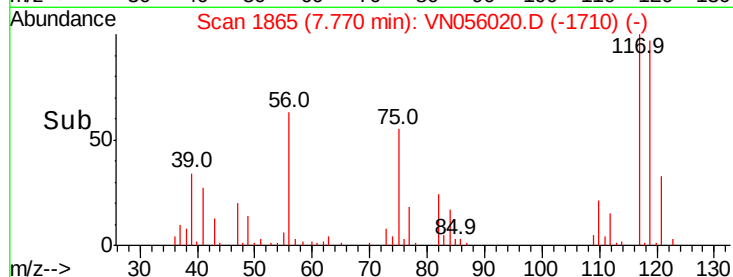
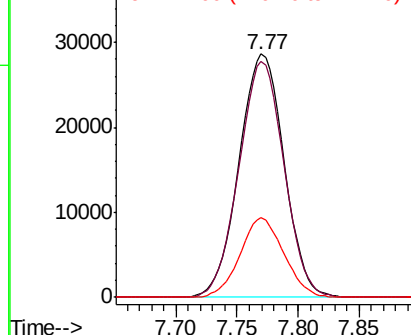


Abundance

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: 20.336 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

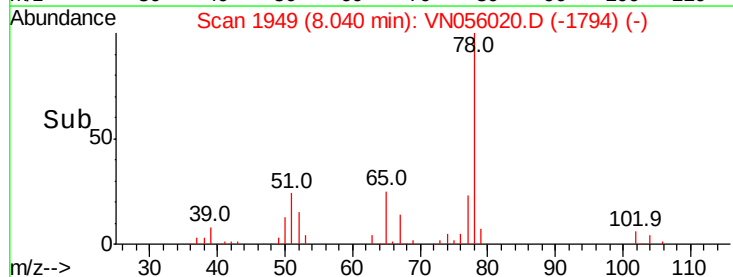
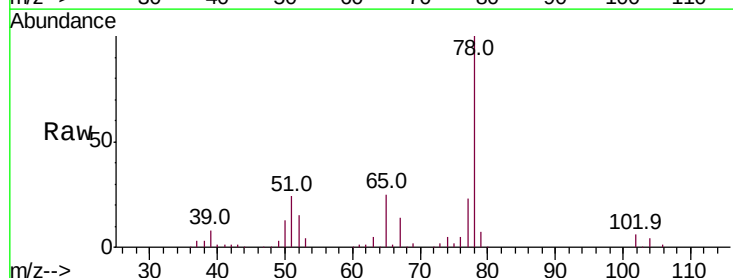
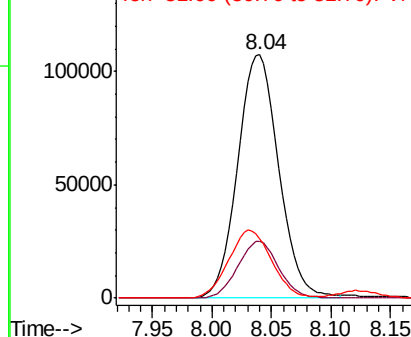
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9
51	24.3	19.8	29.8

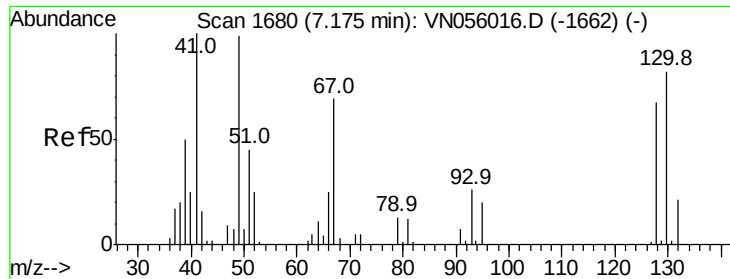
Abundance

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





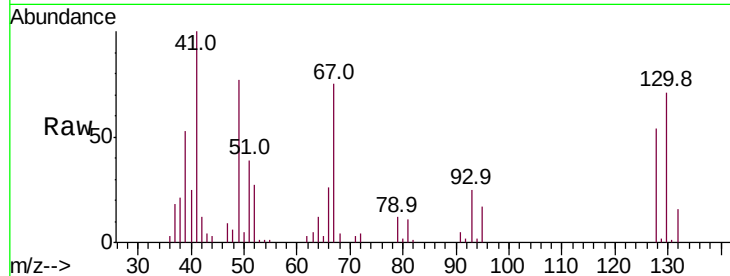
#35
Methacrylonitrile
Concen: 19.197 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	24.8	74.3	
67	74.6	34.3	102.9	
52	27.4	12.6	37.8	

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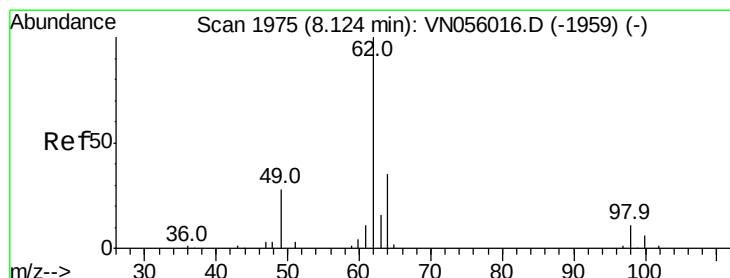
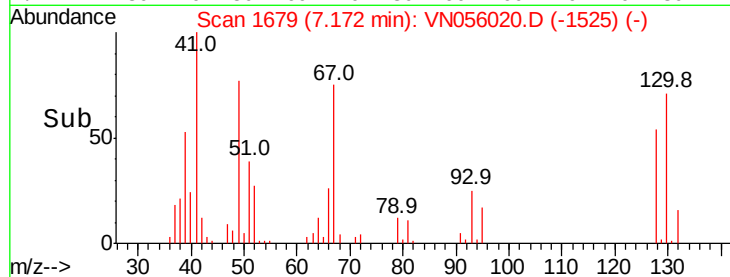
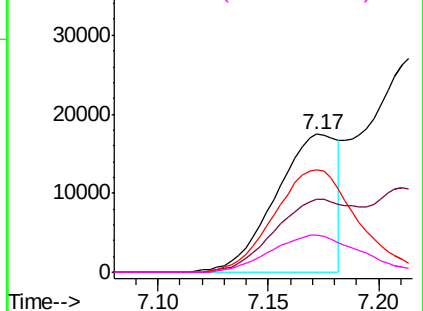
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

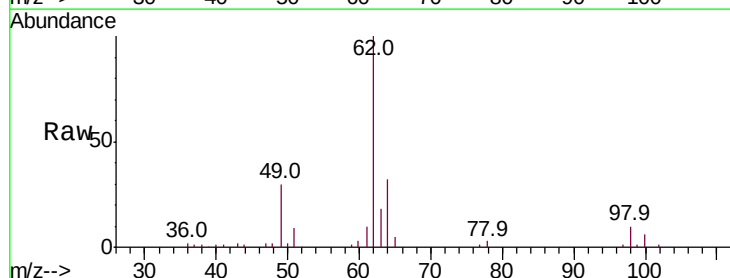
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#36
1,2-Dichloroethane
Concen: 20.570 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

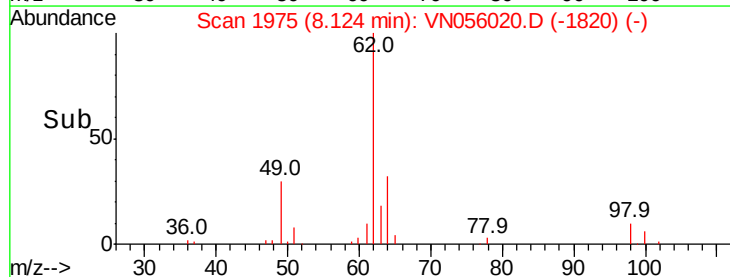
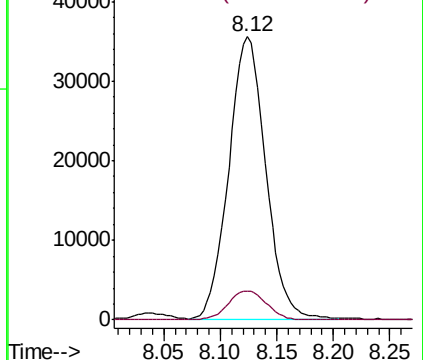
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	8.6	13.0	

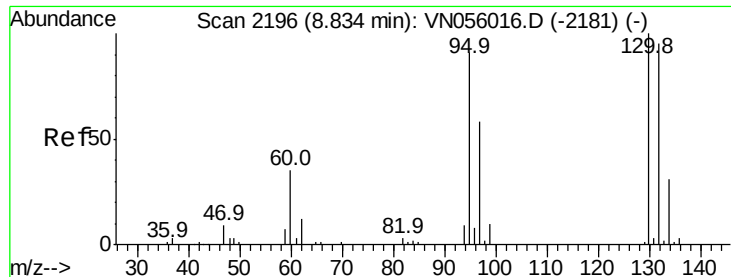


Abundance

Ion 62.00 (61.70 to 62.70): VNC

Ion 98.00 (97.70 to 98.70): VNC





#37

Trichloroethene

Concen: 20.262 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060619

Tot Ion:130 Resp: 71711

Ion Ratio Lower Upper

130 100

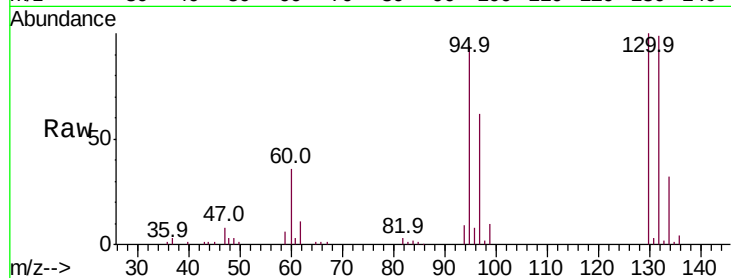
95 93.1 73.0 109.6

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

30000

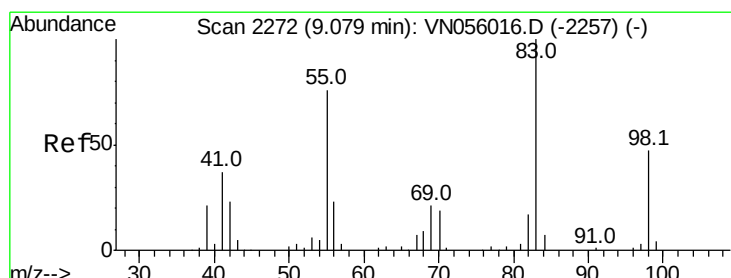
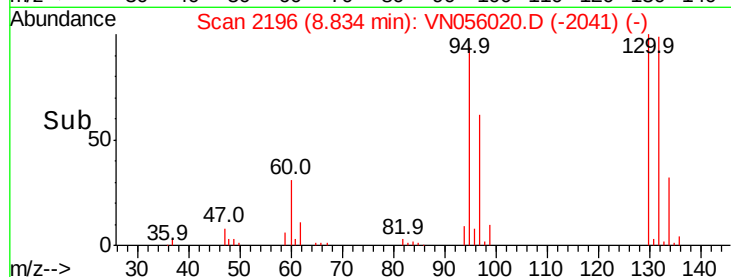
20000

10000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 20.136 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

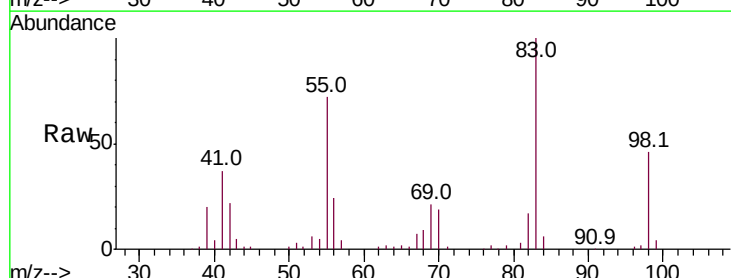
Tgt Ion: 83 Resp: 101331

Ion Ratio Lower Upper

83 100

55 71.6 37.5 112.7

98 46.1 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

60000

50000

40000

30000

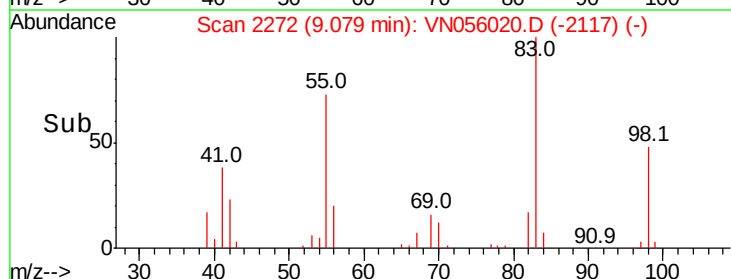
20000

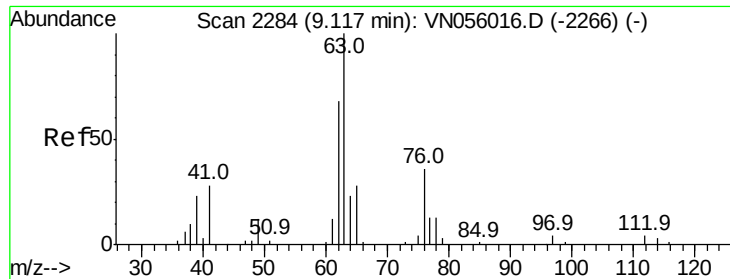
10000

0

9.00 9.05 9.10 9.15

Time-->





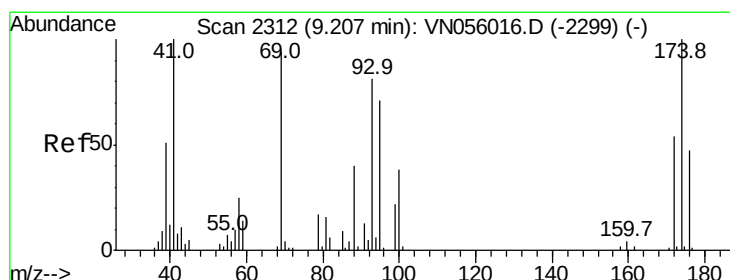
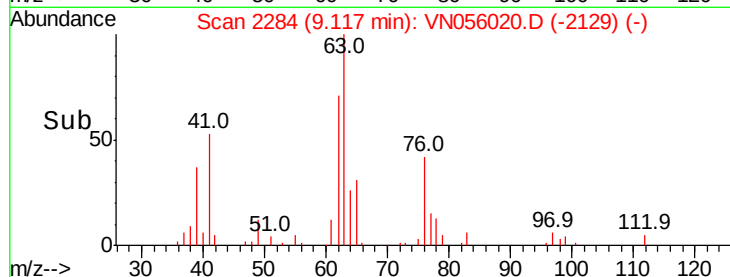
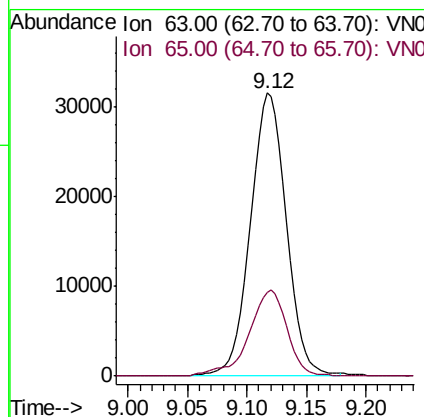
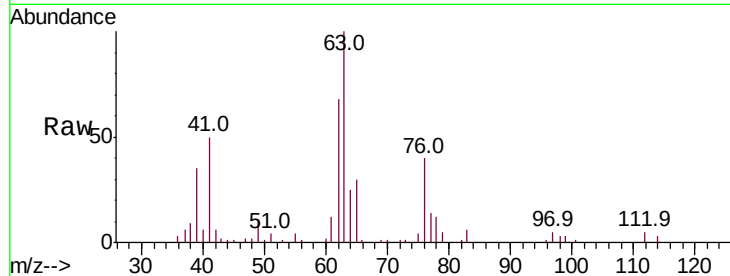
#39
 1,2-Dichloropropane
 Concen: 20.392 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN060619

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	23.1	34.7

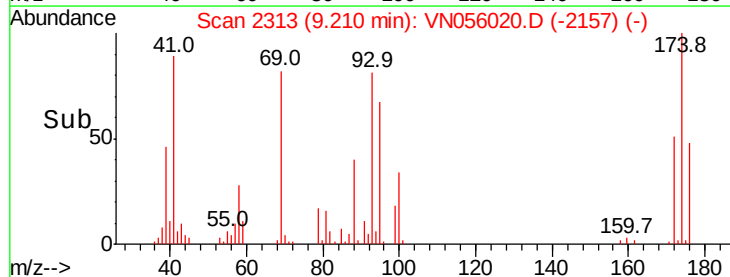
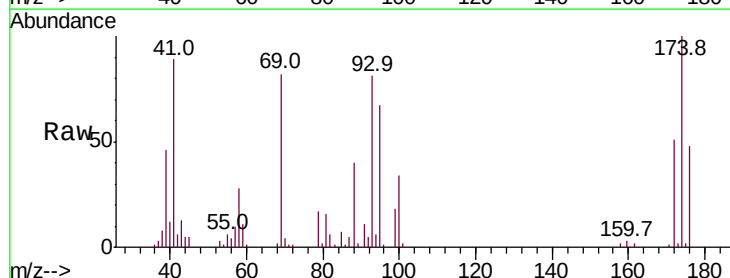
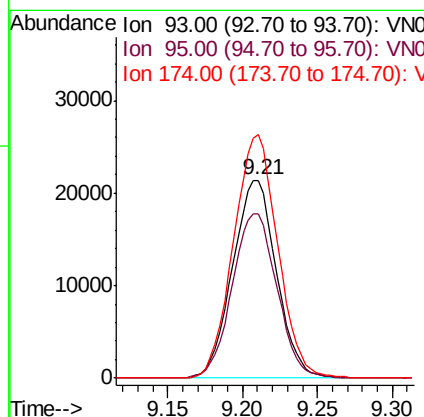
Manual Integrations
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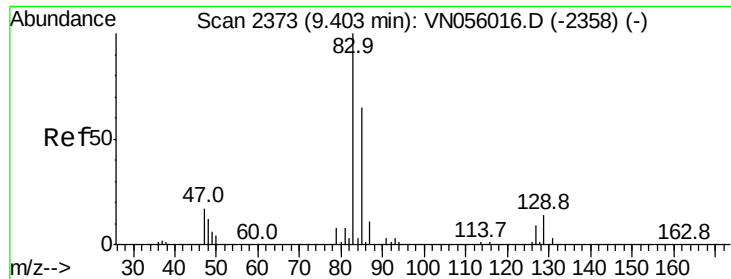
MMDadoda
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#40
 Dibromomethane
 Concen: 20.368 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	0.0	169.0
174	123.8	0.0	246.4





#41

Bromodichloromethane

Concen: 19.622 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

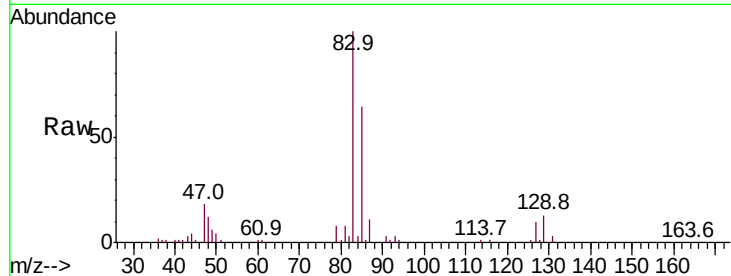
ClientSampled :

ICVVN060619

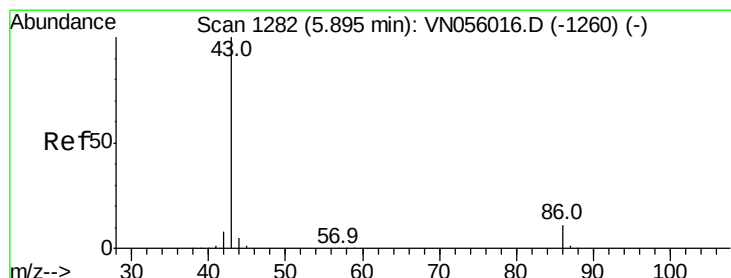
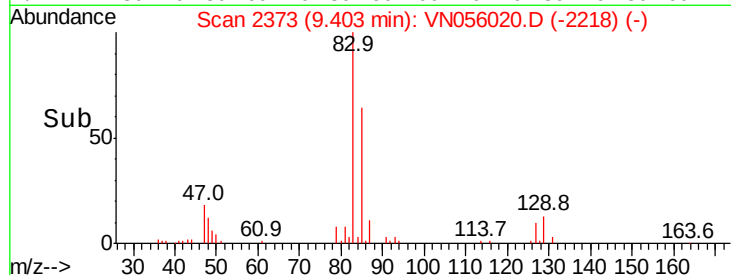
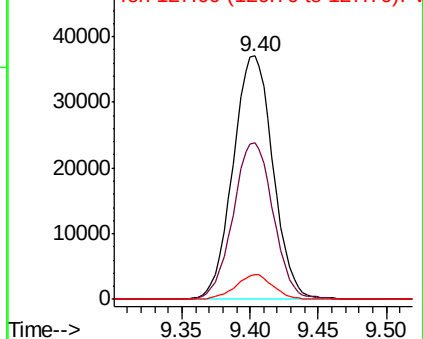
Tot Ion:	83	Resp:	75464
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6
127	10.2	7.3	10.9

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Abundance Ion 83.00 (82.70 to 83.70): VN056016.D (-2358) (-)



#42

Vinyl Acetate

Concen: 101.591 ug/l

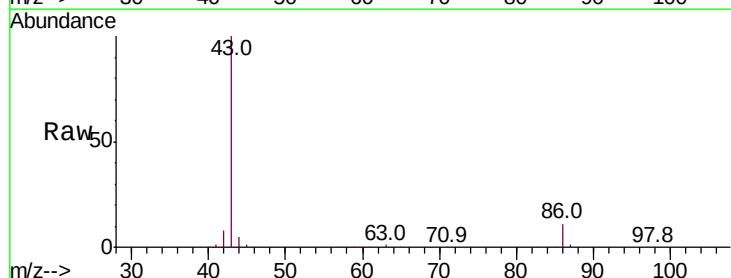
RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

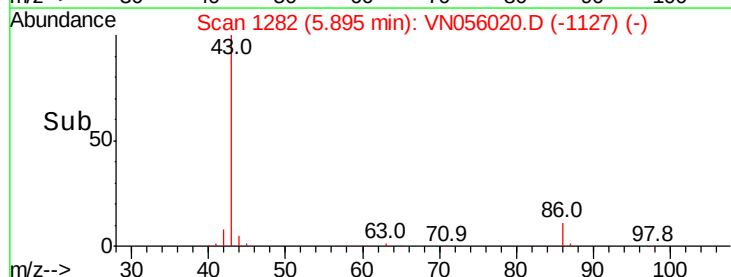
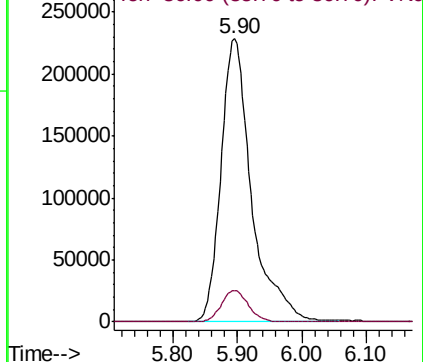
Lab File: VN056020.D

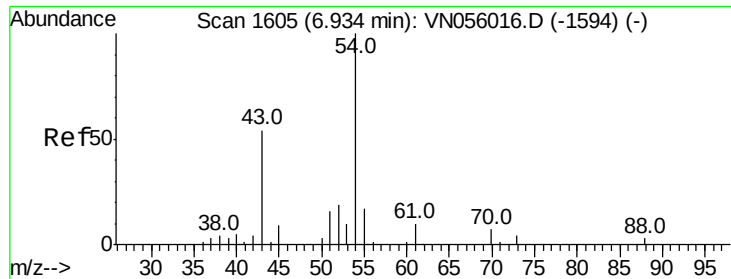
Acq: 5 Jun 2019 21:23

Tgt Ion:	43	Resp:	756875
Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.9	11.9



Abundance Ion 43.00 (42.70 to 43.70): VN056016.D (-1260) (-)





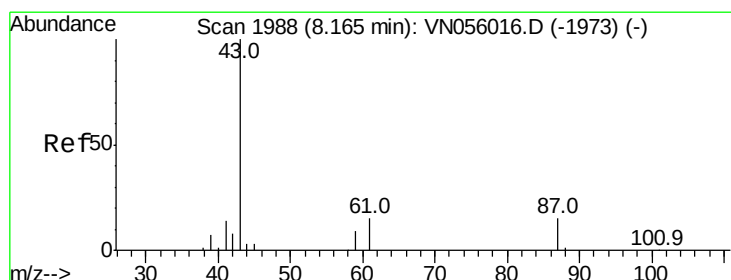
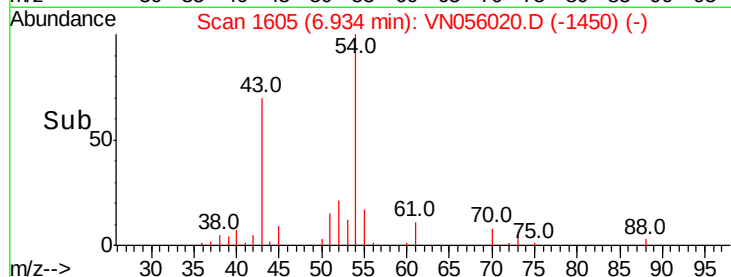
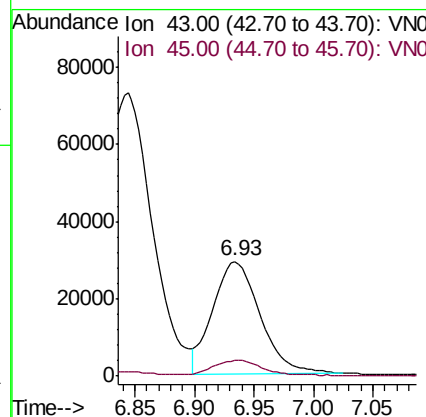
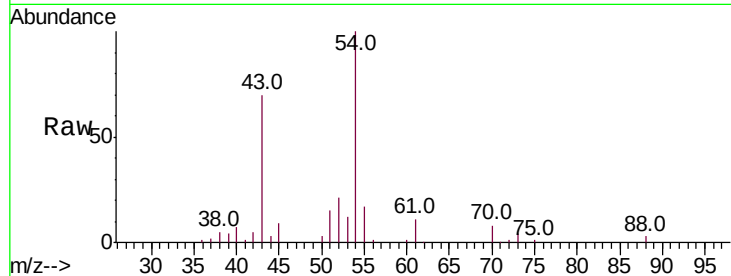
#43
Ethyl Acetate
Concen: 20.142 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion	43	45	Ratio	100	12.4	Resp	80558	Lower	12.3	Upper	18.5
Ion	43	45	Ratio	100	12.4	Resp	80558	Lower	12.3	Upper	18.5

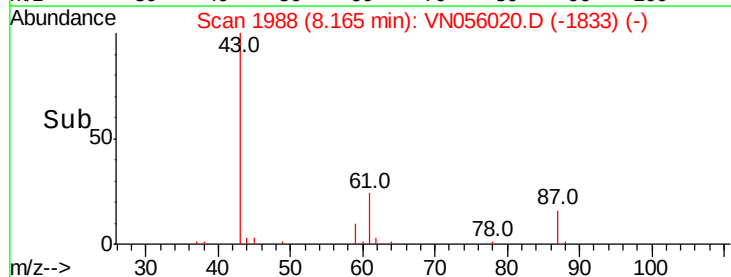
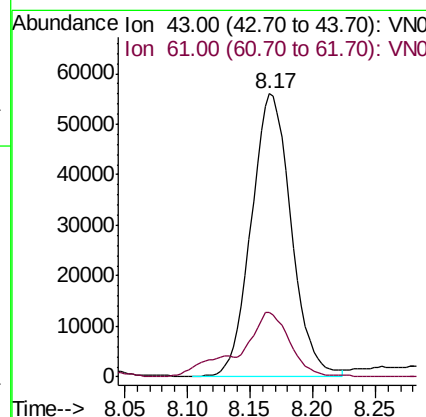
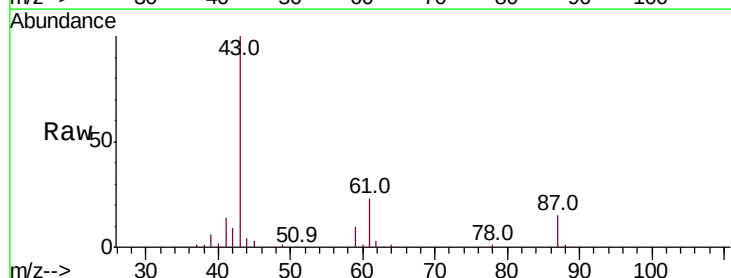
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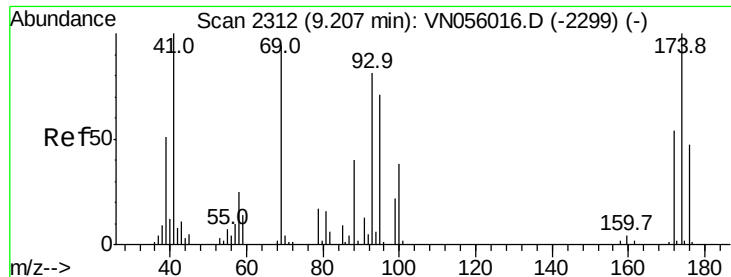
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.811 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion	43	61	Ratio	100	22.4	Resp	123024	Lower	16.9	Upper	25.3
Ion	43	61	Ratio	100	22.4	Resp	123024	Lower	16.9	Upper	25.3





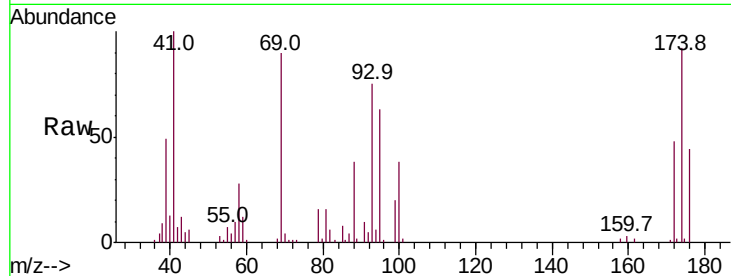
#45
 1,4-Dioxane
 Concen: 398.387 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

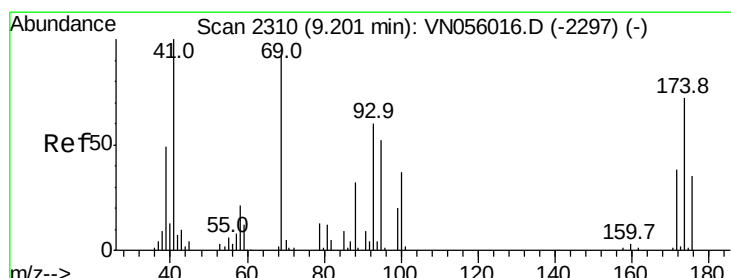
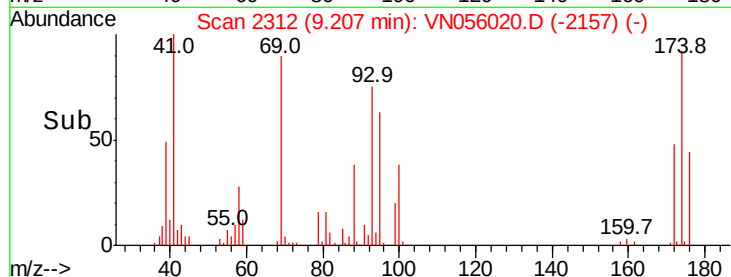
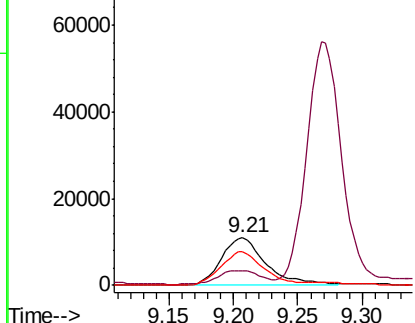
Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	19.8	29.6
58	68.3	48.5	72.7

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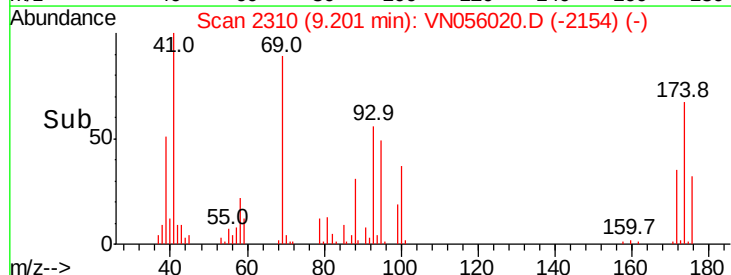
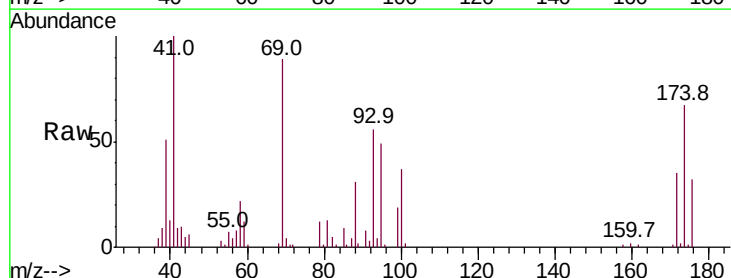
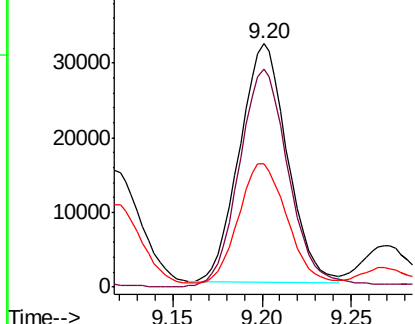
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

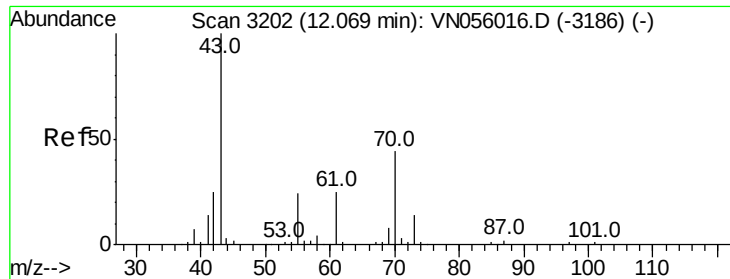


#46
 Methyl methacrylate
 Concen: 19.445 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.9	46.0	137.8
39	50.0	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: 19.769 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN060619

Tot Ion: 43 Resp: 101520

Ion Ratio Lower Upper

43 100

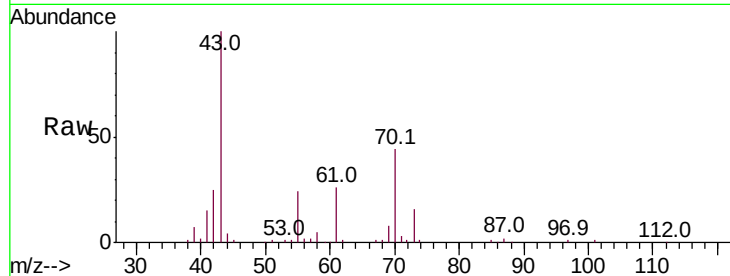
55 24.9 19.0 28.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

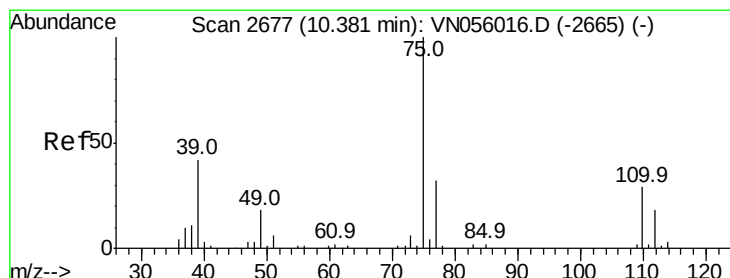
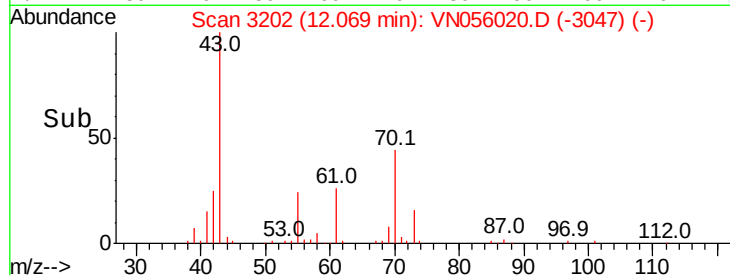
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.955 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056020.D

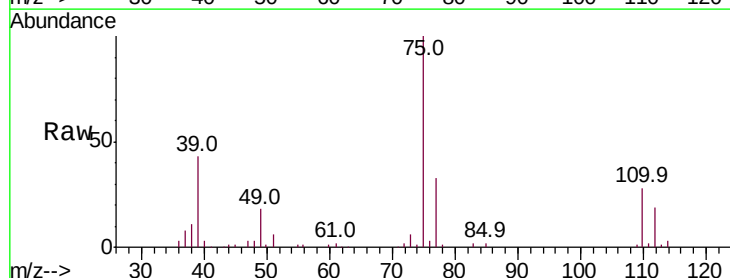
Acq: 5 Jun 2019 21:23

Tgt Ion: 75 Resp: 76719

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

50000

40000

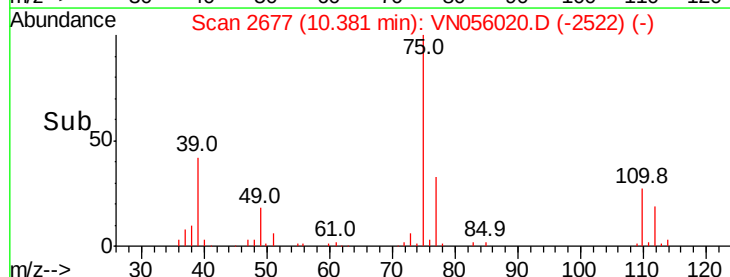
30000

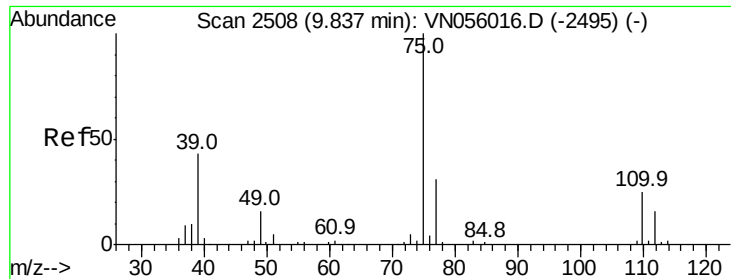
20000

10000

0

Time-->





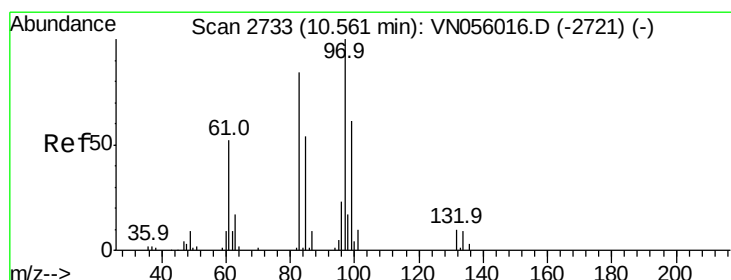
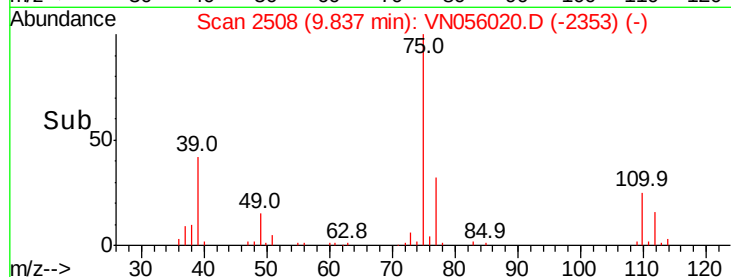
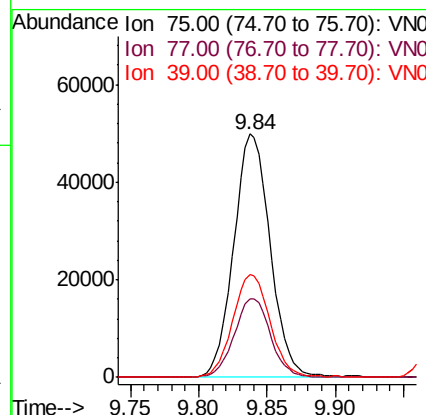
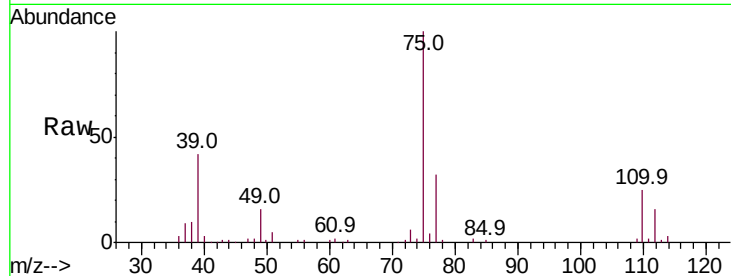
#49
 cis-1,3-Dichloropropene
 Concen: 19.578 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.1	37.7
39	42.1	34.3	51.5

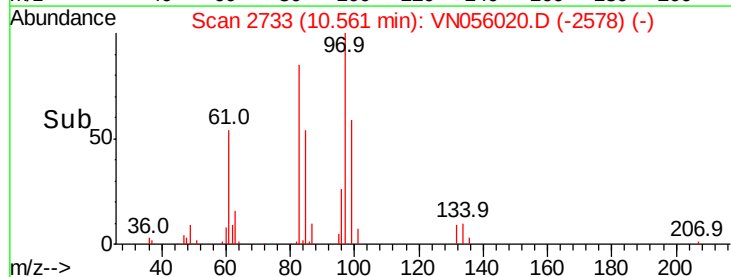
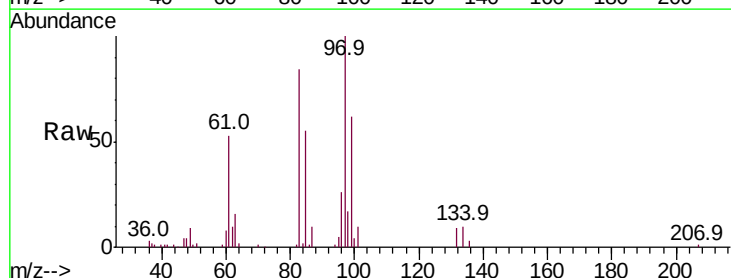
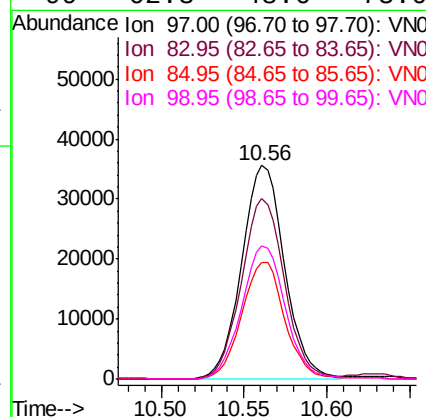
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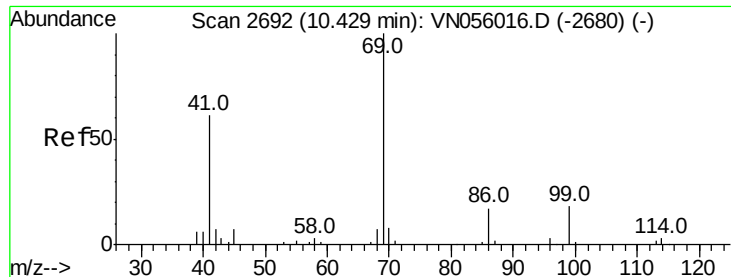
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.118 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.3	66.9	100.3
85	54.8	43.3	64.9
99	62.3	48.6	73.0





#51

Ethyl methacrylate

Concen: 19.923 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

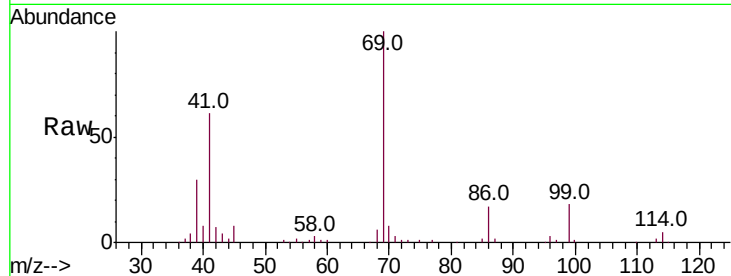
ClientSampled :

ICVVN060619

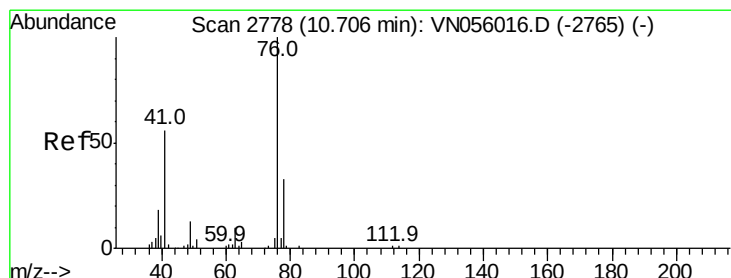
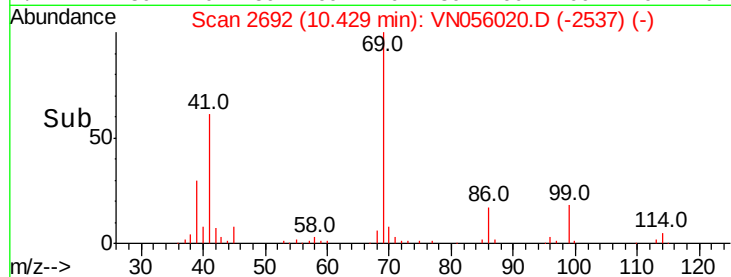
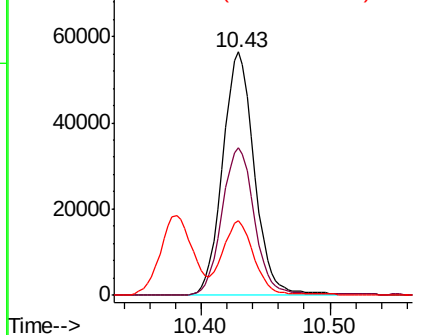
Tot Ion:	69	Resp:	96151
Ion Ratio	Lower	Upper	
69	100		
41	60.4	30.8	92.3
39	30.0	14.5	43.6

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



#52

1,3-Dichloropropane

Concen: 20.210 ug/l

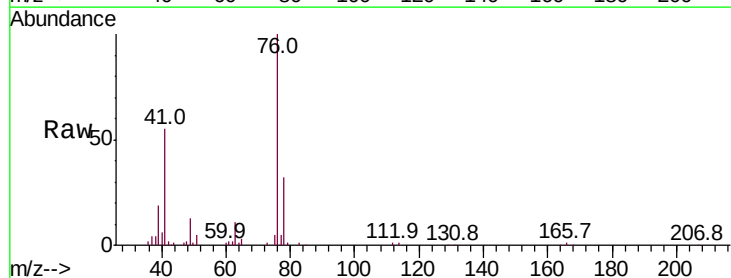
RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

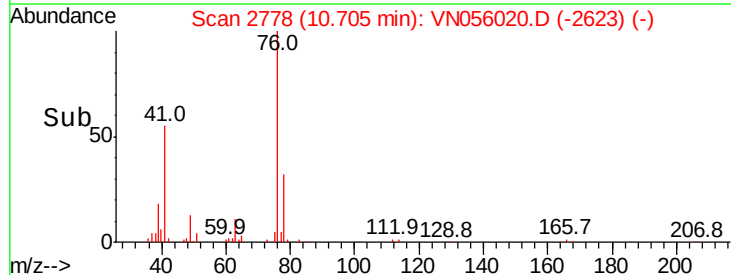
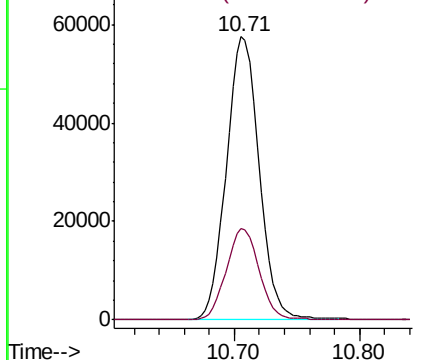
Lab File: VN056020.D

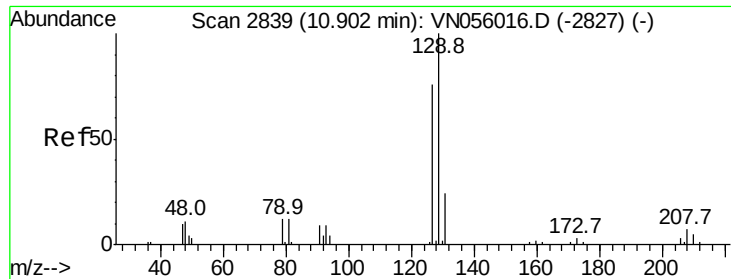
Acq: 5 Jun 2019 21:23

Tgt Ion:	76	Resp:	104523
Ion Ratio	Lower	Upper	
76	100		
78	32.5	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





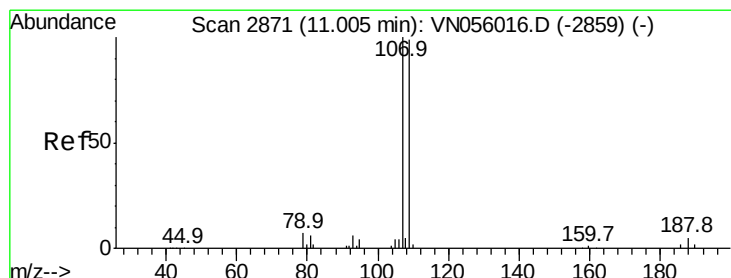
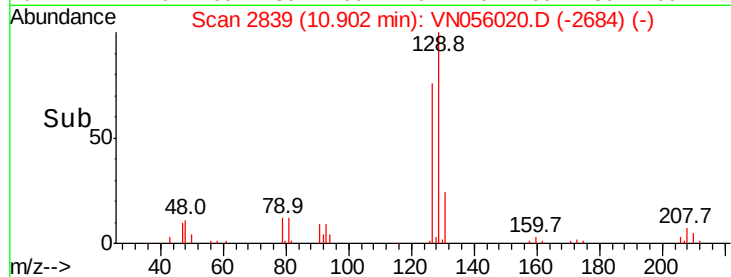
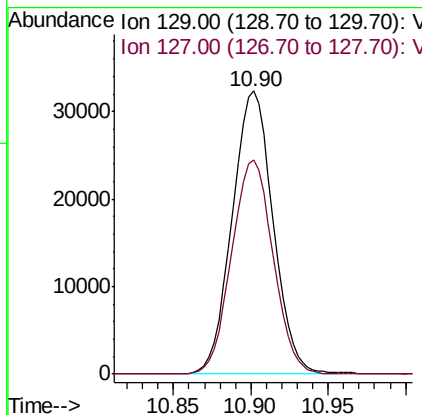
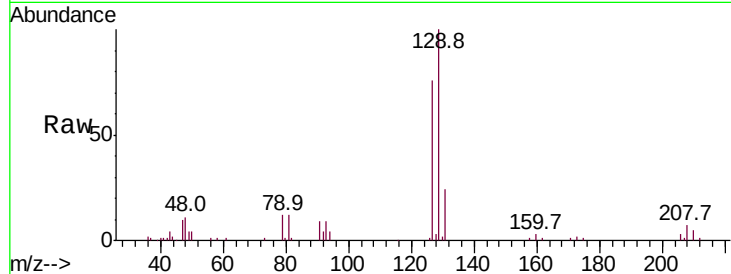
#53
Dibromochloromethane
Concen: 19.034 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion:129 Resp: 59440
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.5

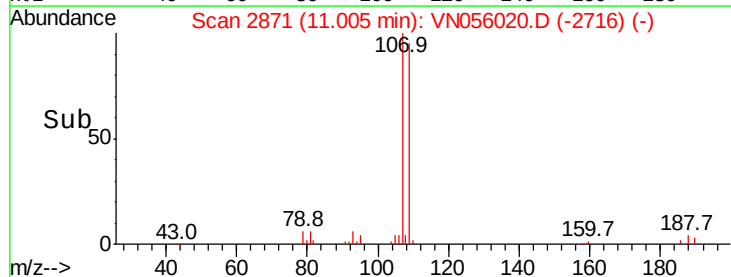
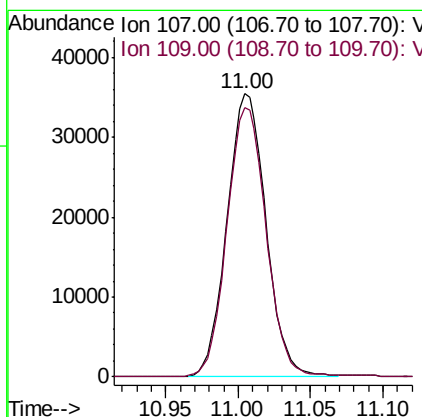
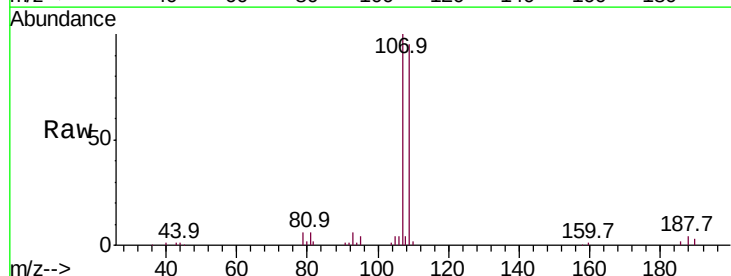
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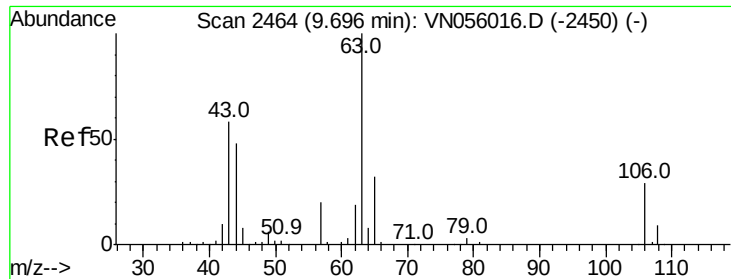
MMDadoda
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#54
1,2-Dibromoethane
Concen: 19.848 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion:107 Resp: 66070
Ion Ratio Lower Upper
107 100
109 95.7 76.8 115.2





#55

2-Chloroethyl vinyl ether

Concen: 95.442 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

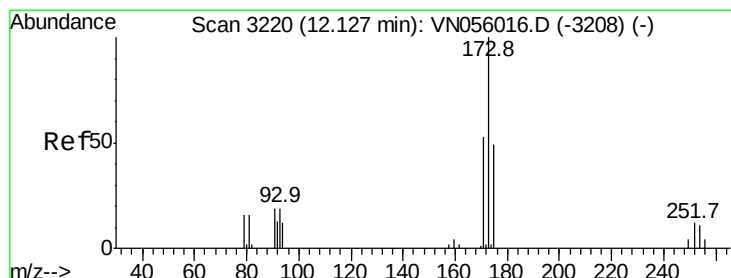
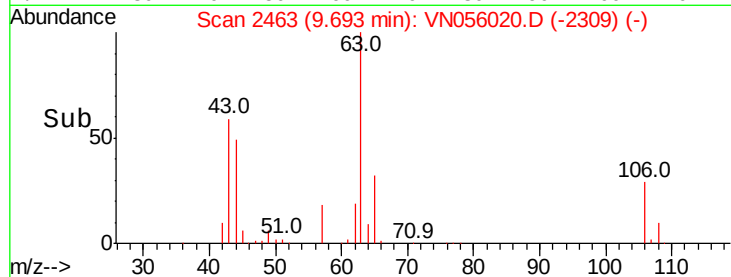
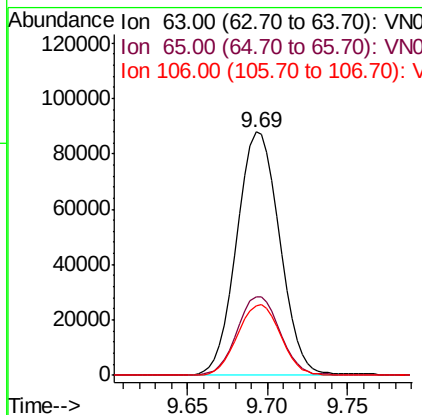
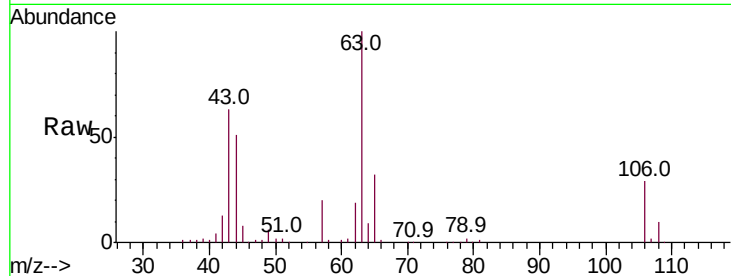
ClientSampled :

ICVVN060619

Tot Ion:	63	Resp:	161341
Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.5	38.3
106	29.2	23.0	34.4

Manual Integrations
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#56

Bromoform

Concen: 18.467 ug/l

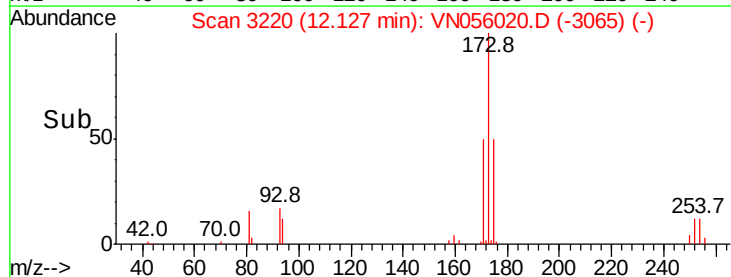
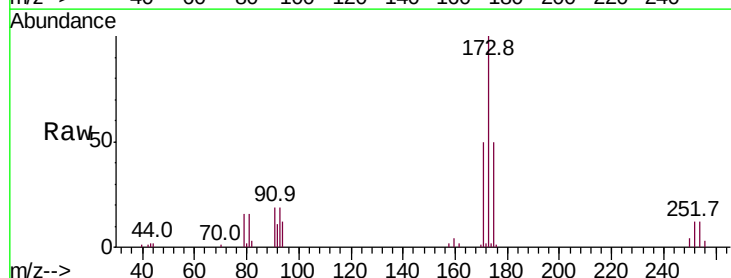
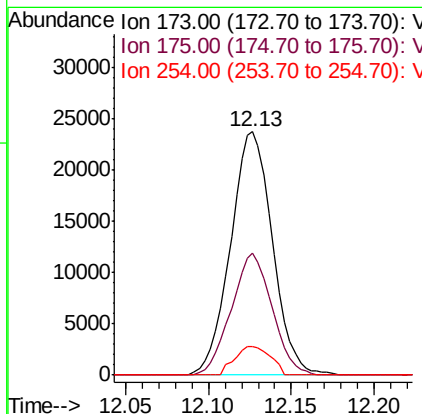
RT: 12.13 min Scan# 3220

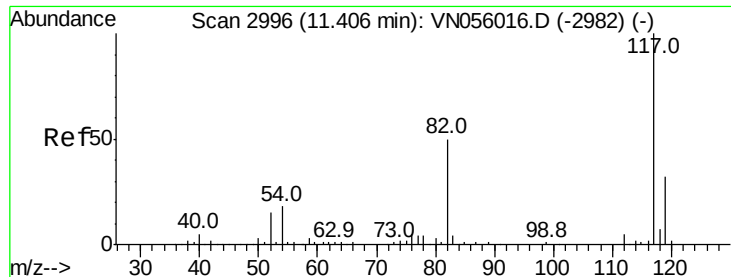
Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Tgt Ion:	173	Resp:	41718
Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
254	9.9	6.6	9.8#





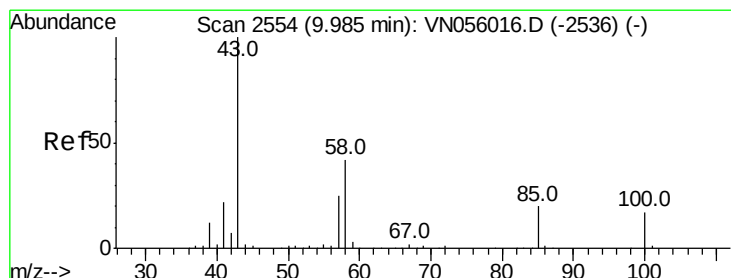
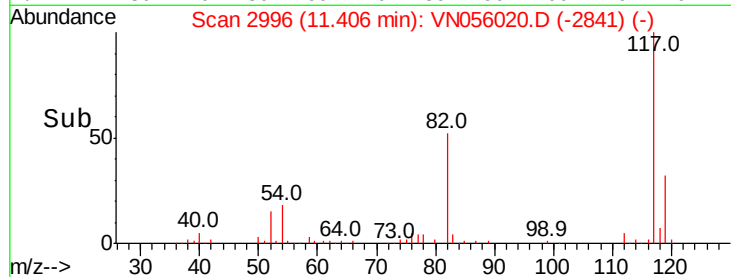
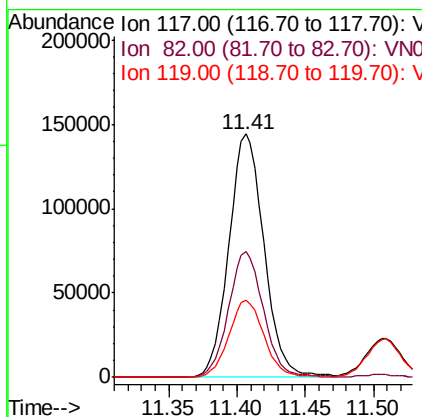
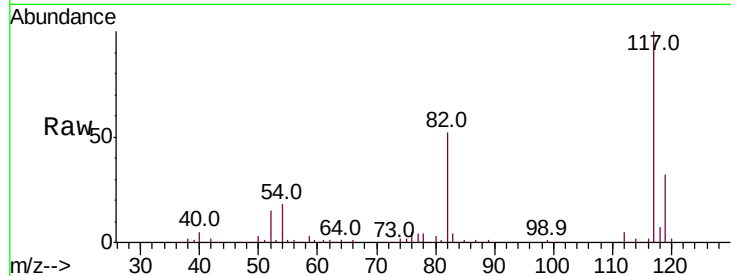
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion	Ratio	Resp	Lower	Upper
117	100	258928		
82	51.5	41.2	61.8	
119	31.7	26.2	39.2	

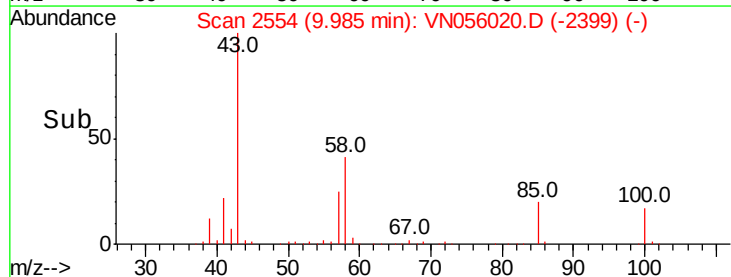
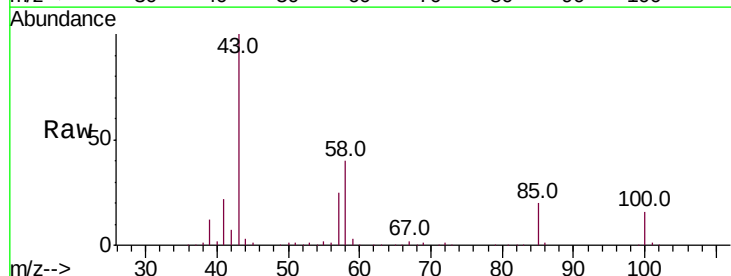
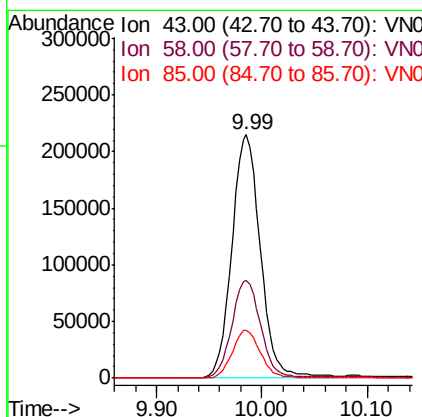
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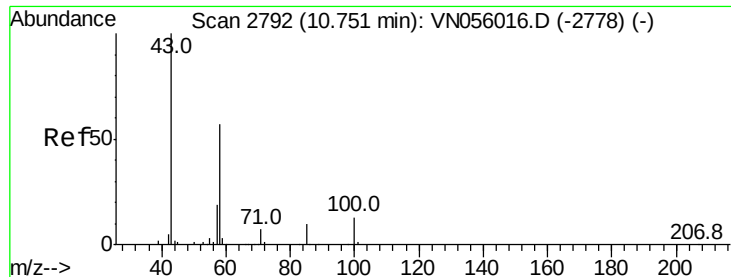
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 102.264 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	400958		
58	41.0	33.1	49.7	
85	19.6	15.5	23.3	





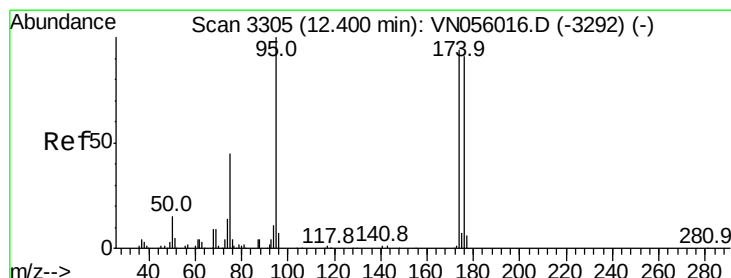
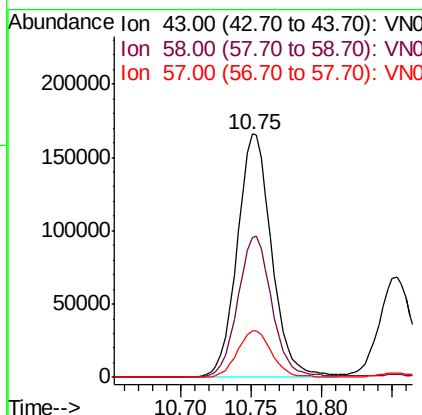
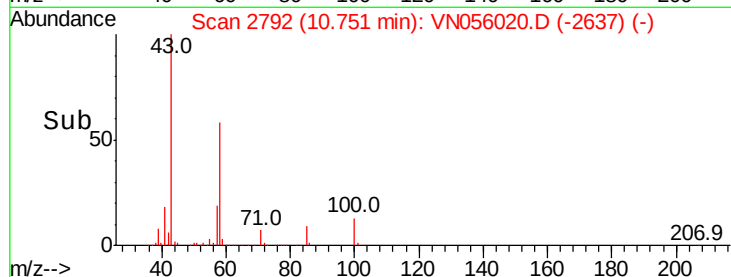
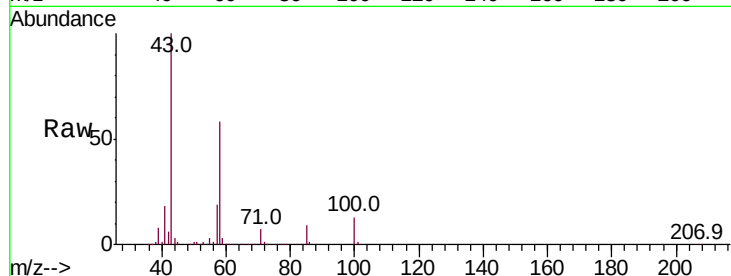
#59
2-Hexanone
Concen: 101.119 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.1	45.3	67.9
57	19.3	15.6	23.4

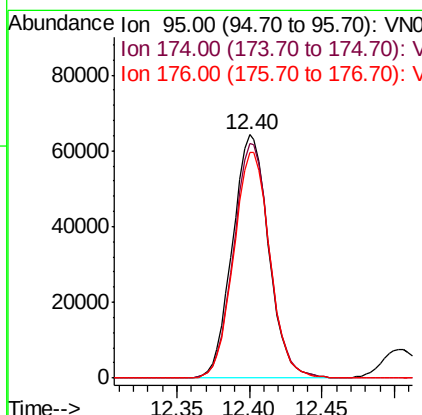
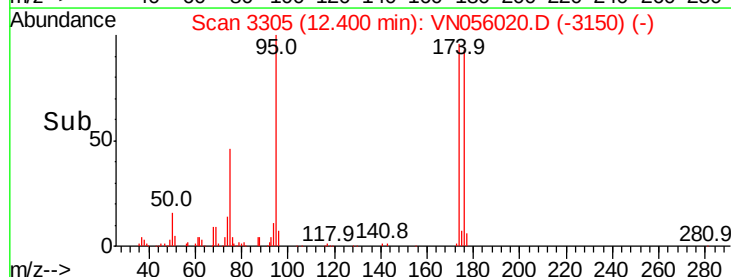
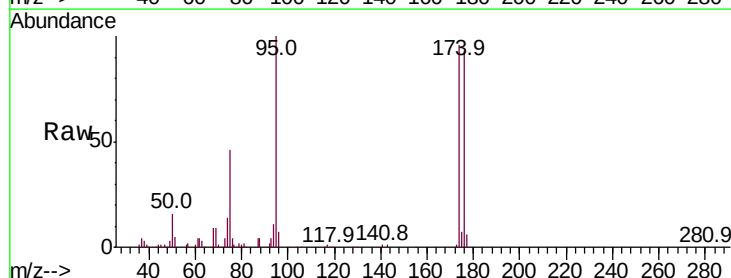
Manual Integrations
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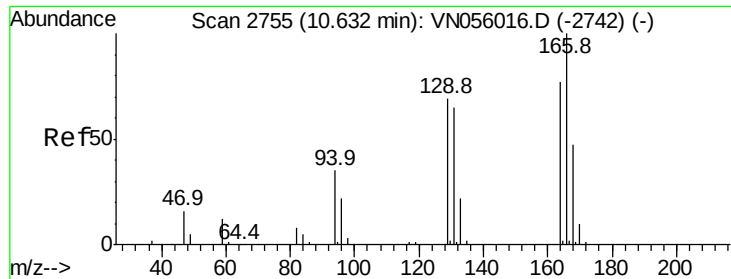
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.104 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.6	75.4	113.0
176	92.9	73.9	110.9





#61

Tetrachloroethene

Concen: 20.590 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060619

Tot Ion:164 Resp: 74305

Ion Ratio Lower Upper

164 100

166 127.6 104.3 156.5

129 85.4 71.5 107.3

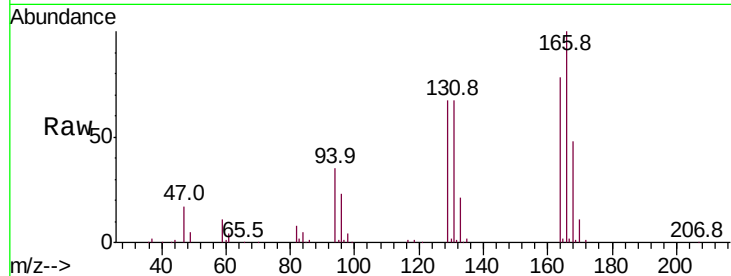
131 85.1 67.7 101.5

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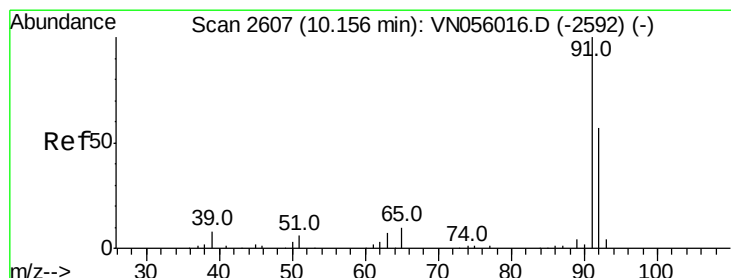
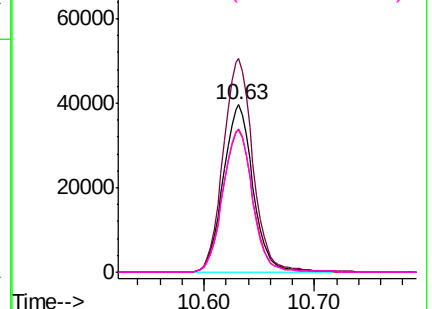
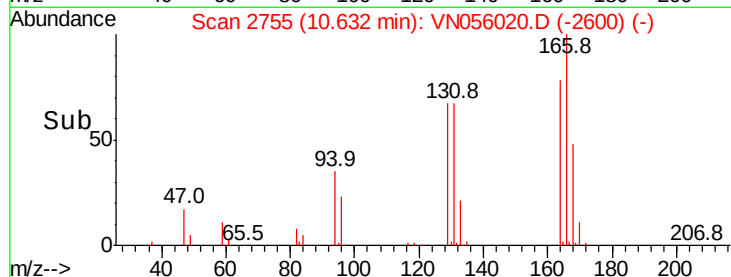
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.142 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056020.D

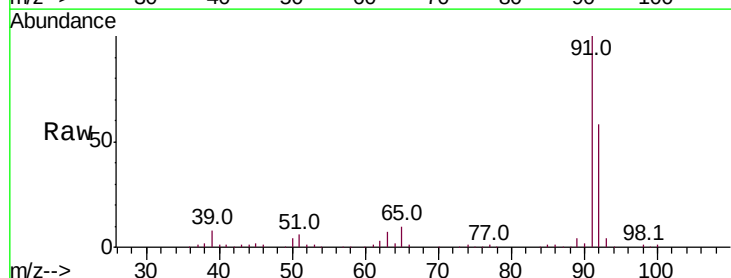
Acq: 5 Jun 2019 21:23

Tgt Ion: 91 Resp: 281541

Ion Ratio Lower Upper

91 100

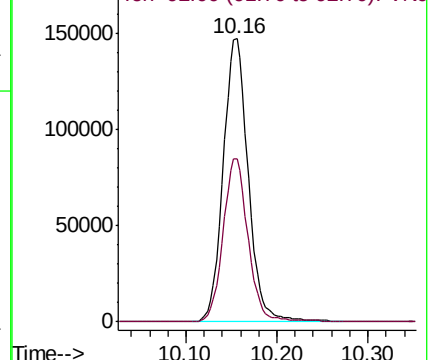
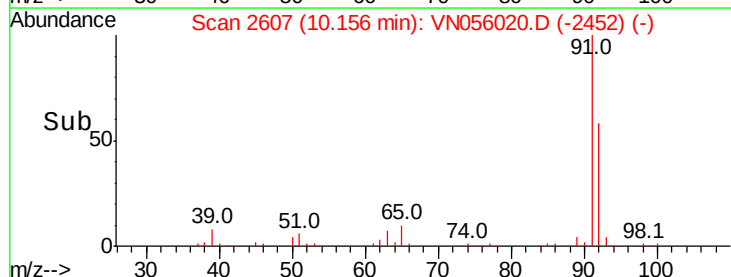
92 57.5 45.5 68.3

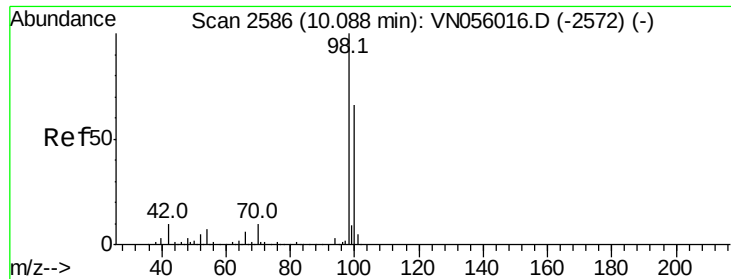


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.151 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN060619

Tot Ion: 98 Resp: 354146

Ion Ratio Lower Upper

98 100

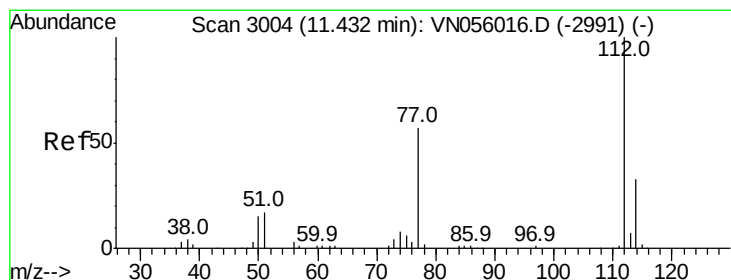
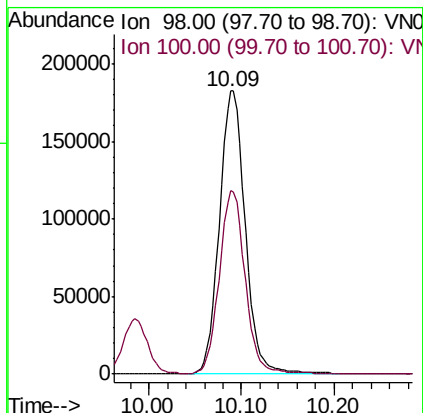
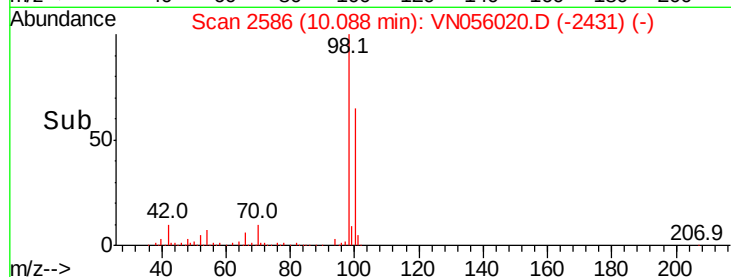
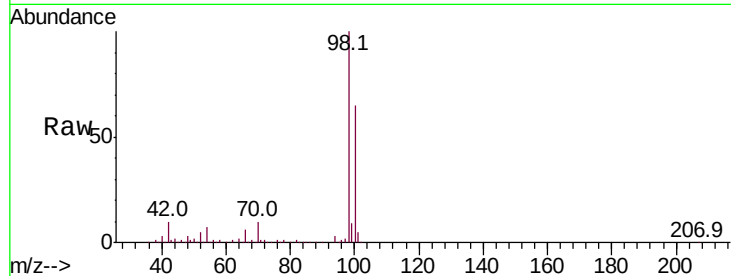
100 64.2 52.2 78.4

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#64

Chlorobenzene

Concen: 20.416 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056020.D

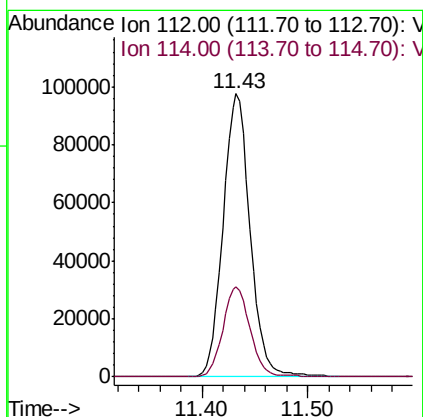
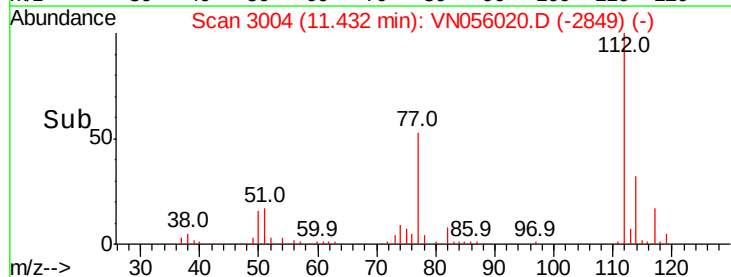
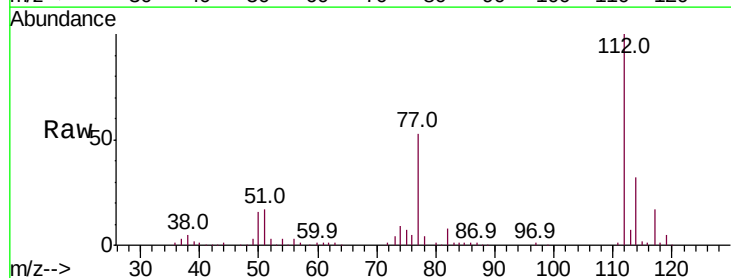
Acq: 5 Jun 2019 21:23

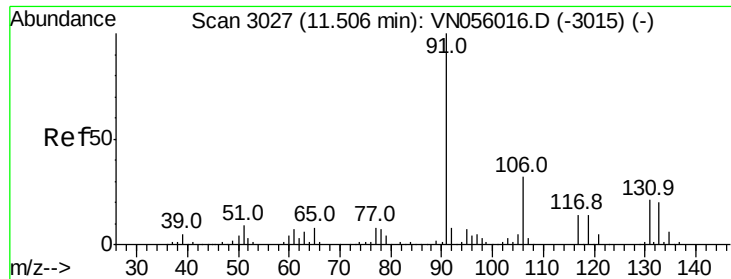
Tgt Ion: 112 Resp: 173096

Ion Ratio Lower Upper

112 100

114 31.9 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 20.005 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

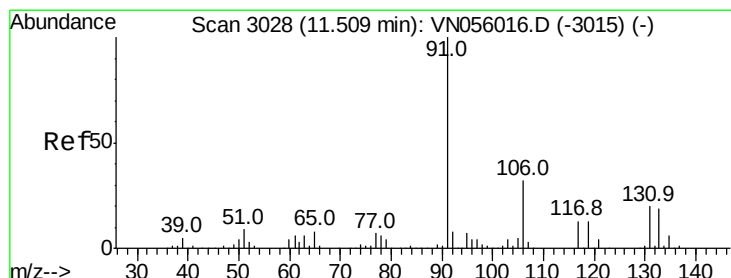
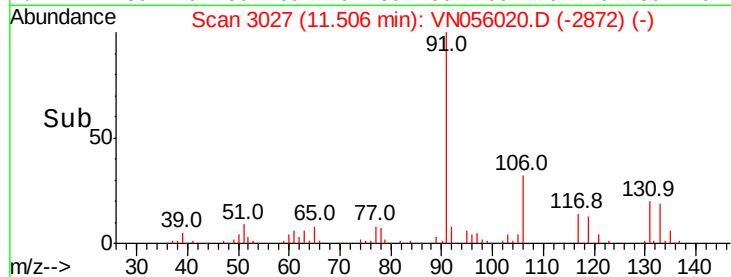
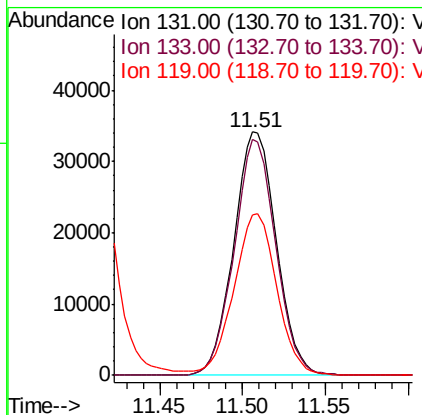
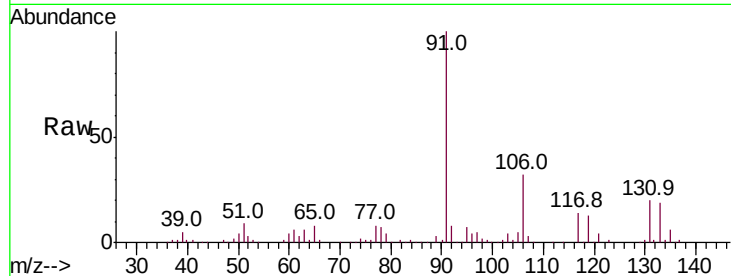
ClientSampled :

ICVVN060619

Tot Ion:	131	Resp:	61160
Ion	Ratio	Lower	Upper
131	100		
133	94.5	0.0	193.8
119	66.7	0.0	134.4

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#66

Ethyl Benzene

Concen: 20.206 ug/l

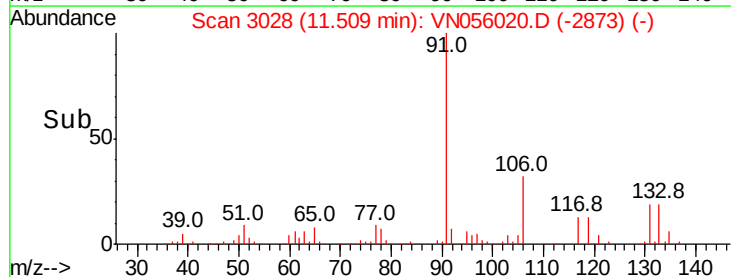
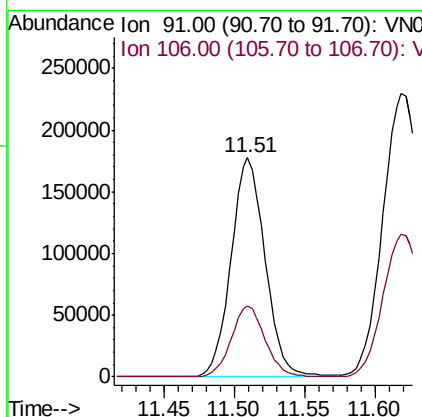
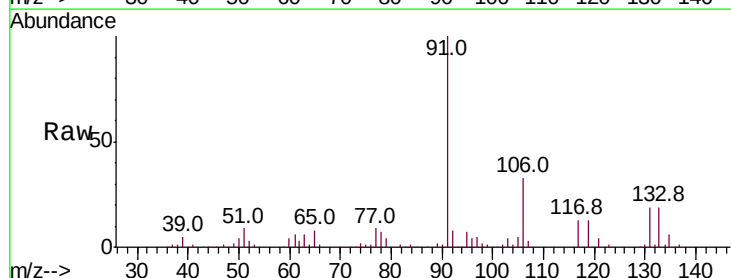
RT: 11.51 min Scan# 3028

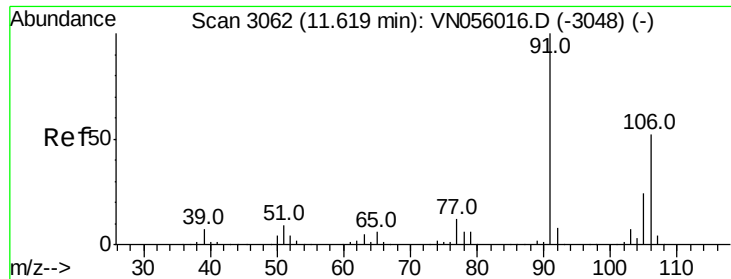
Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Tgt Ion:	91	Resp:	300822
Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.7	38.5





#67

m/p-Xylenes

Concen: 40.355 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN060619

Tot Ion:106 Resp: 229964

Ion Ratio Lower Upper

106 100

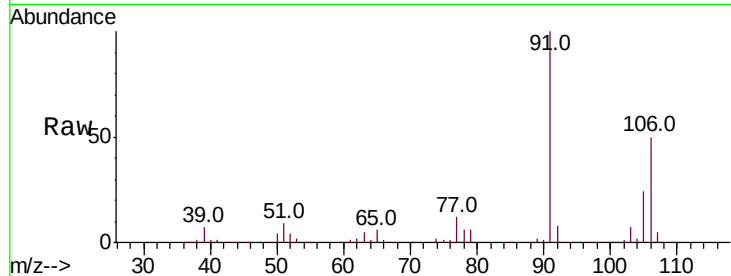
91 196.9 155.7 233.5

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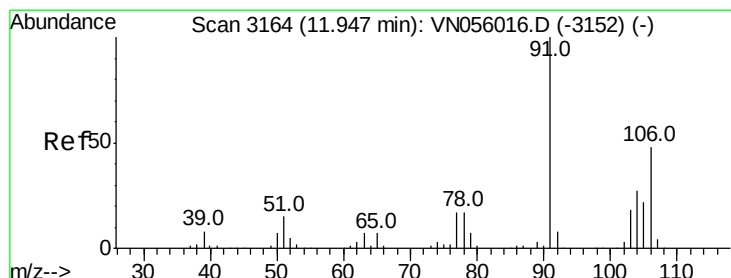
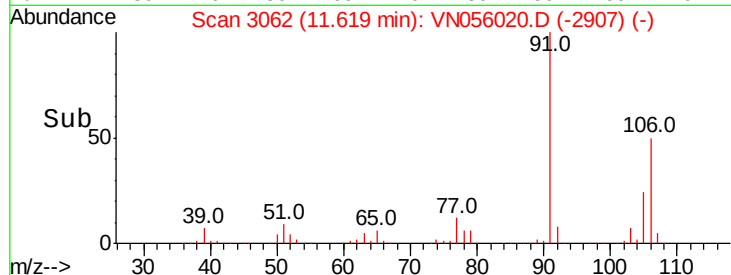
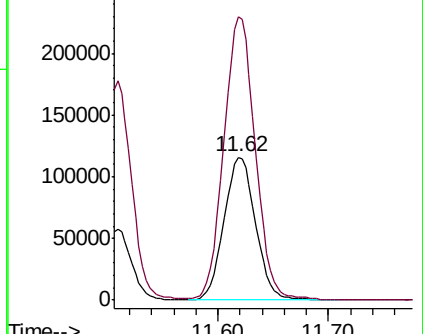
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.321 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN056020.D

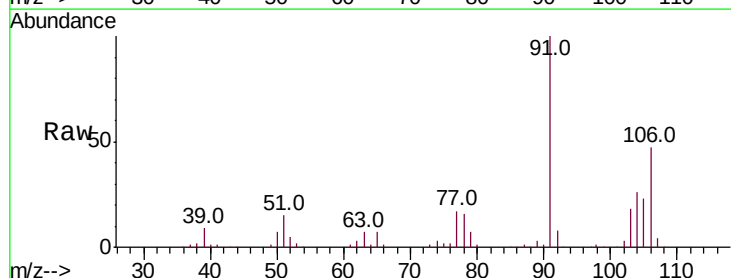
Acq: 5 Jun 2019 21:23

Tgt Ion:106 Resp: 113369

Ion Ratio Lower Upper

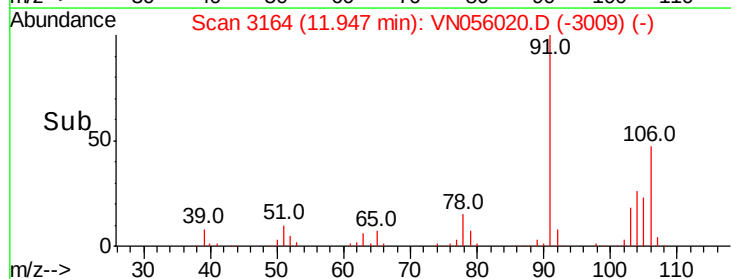
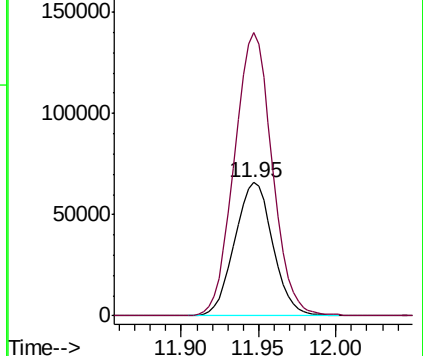
106 100

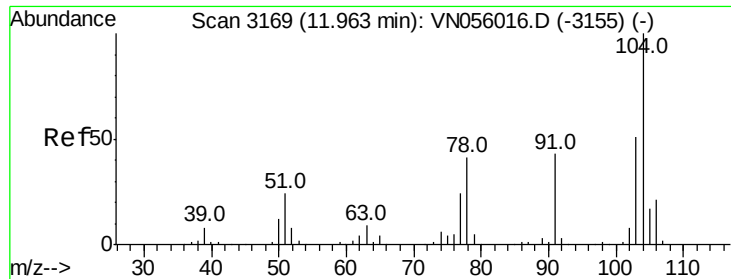
91 210.3 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





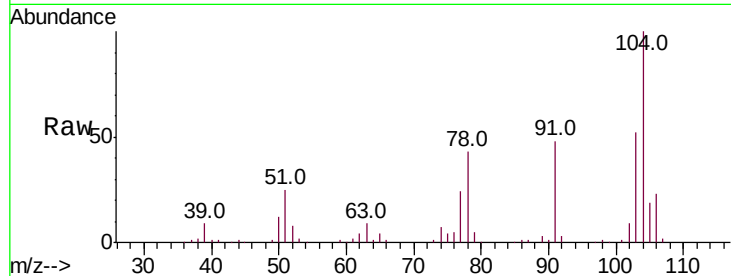
#69
Stvrene
Concen: 19.716 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.0	55.6
103	56.3	44.4	66.6

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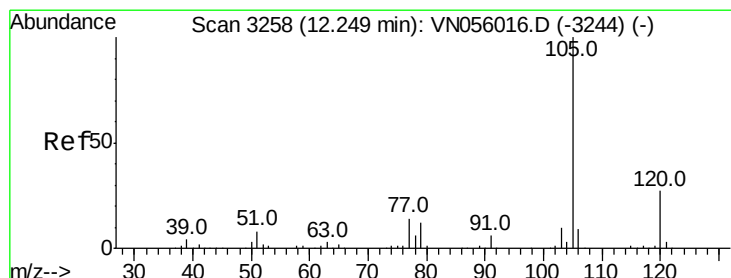
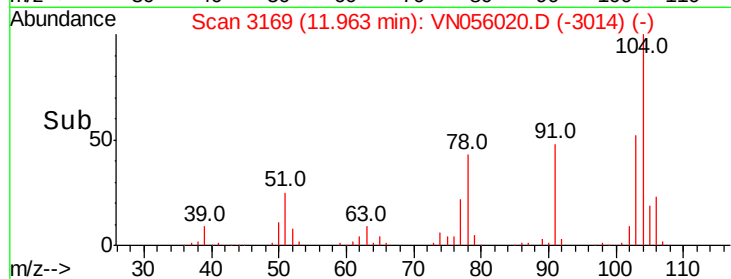
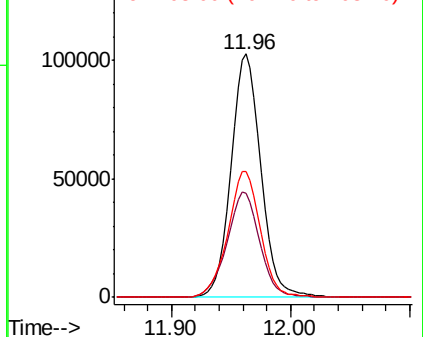


Abundance

Ion 104.00 (103.70 to 104.70): V

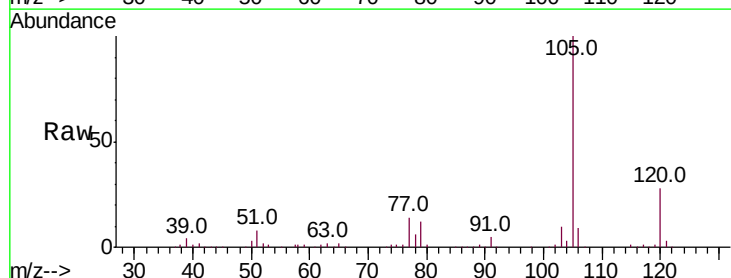
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 20.484 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

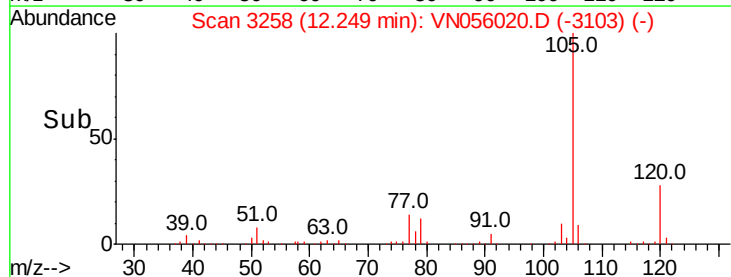
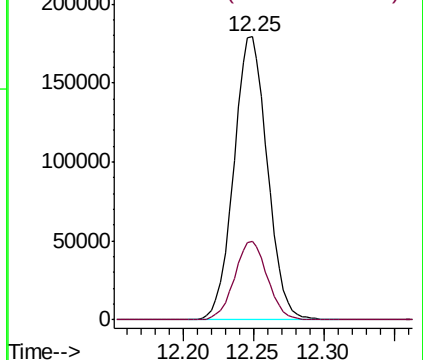
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.3	35.8

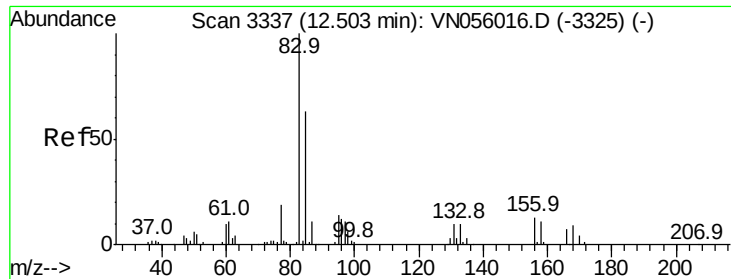


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





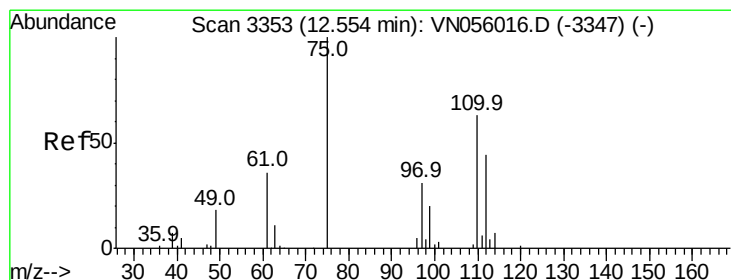
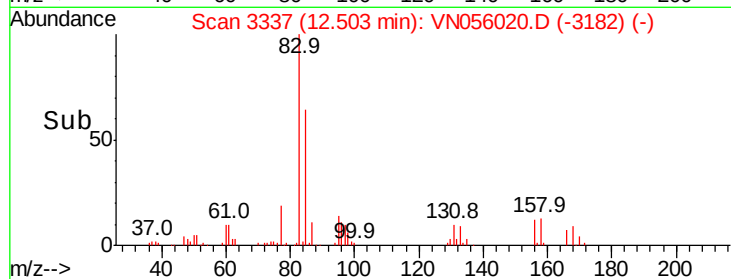
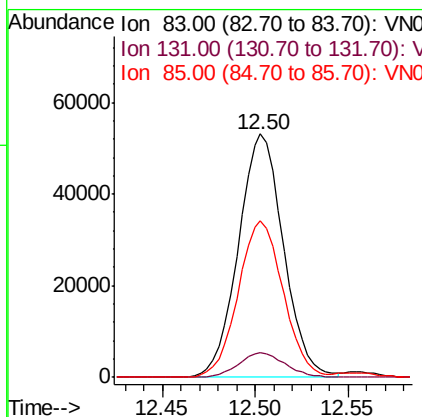
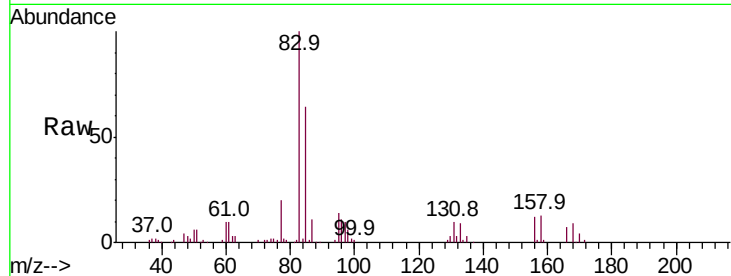
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.465 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

Tot Ion	83	Resp	89933
Ion Ratio	100	Lower	Upper
131	10.4	5.2	15.6
85	64.1	31.6	94.7

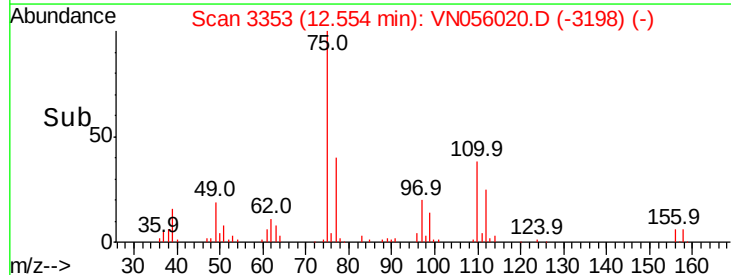
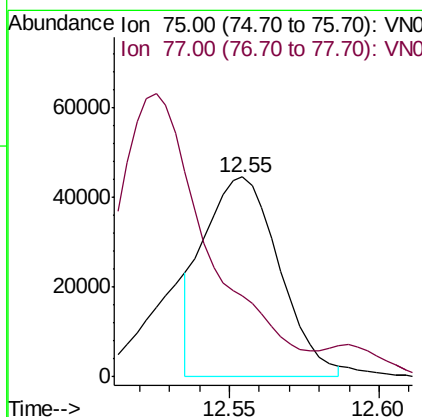
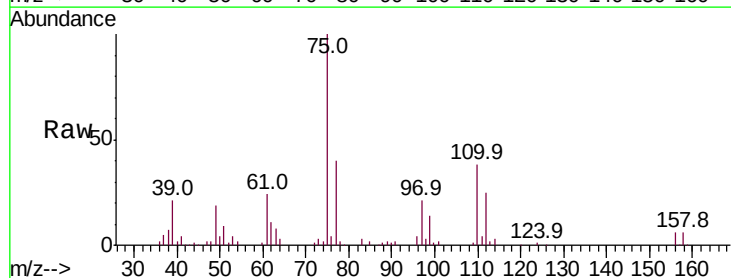
Manual Integrations
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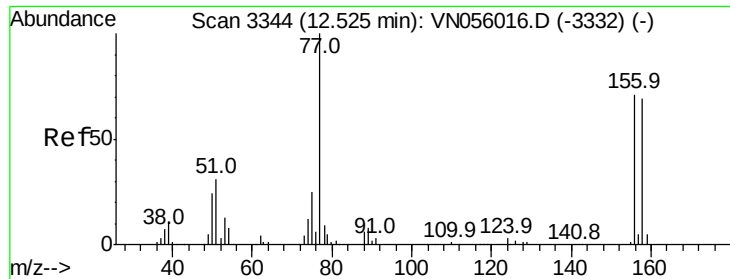
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#72
 1,2,3-Trichloropropane
 Concen: 20.350 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion	75	Resp	77419
Ion Ratio	100	Lower	Upper
77	177.2	0.0	350.0





#73

Bromobenzene

Concen: 20.294 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

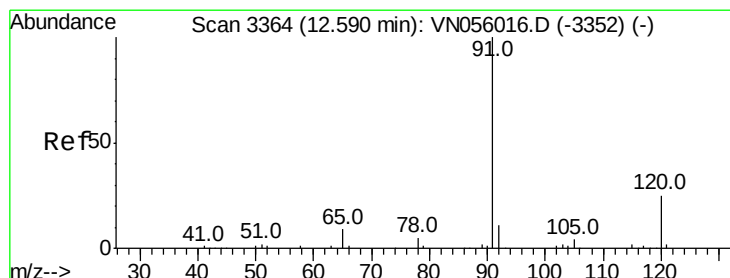
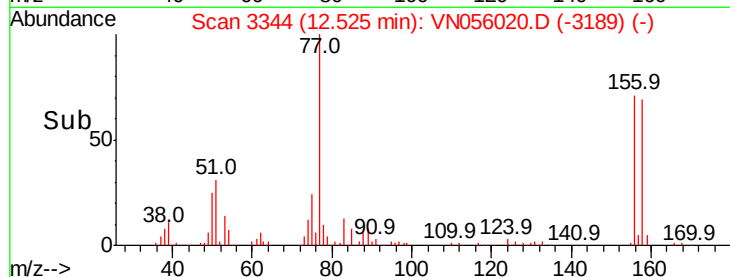
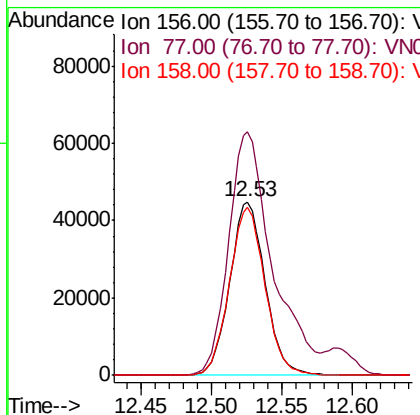
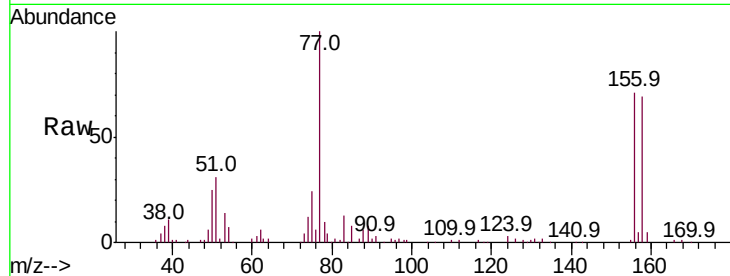
ClientSampled :

ICVVN060619

Tot Ion:	156	Resp:	78518
Ion Ratio	Lower	Upper	
156	100		
77	174.7	0.0	350.8
158	97.6	0.0	193.2

Manual Integrations
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#74

n-propylbenzene

Concen: 20.121 ug/l

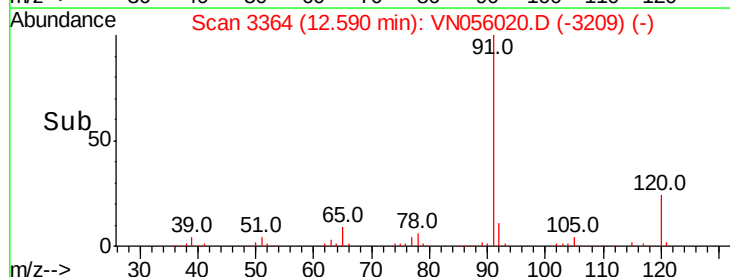
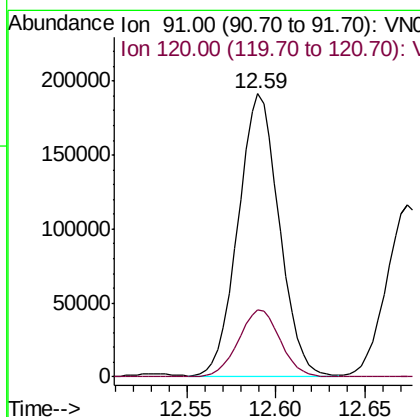
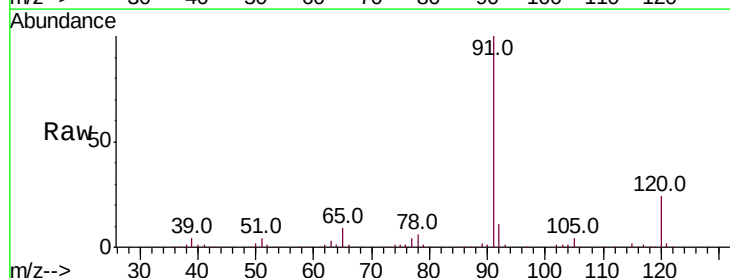
RT: 12.59 min Scan# 3364

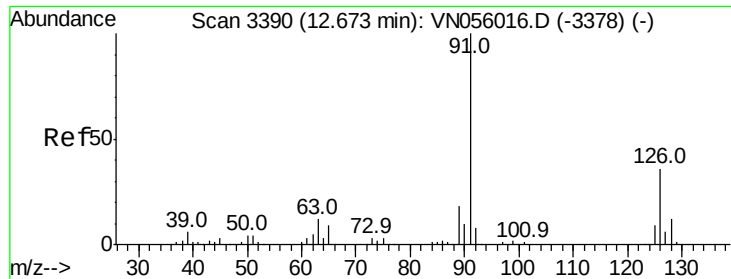
Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Tgt Ion:	91	Resp:	309507
Ion Ratio	Lower	Upper	
91	100		
120	24.1	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.549 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN060619

Tot Ion: 91 Resp: 196057

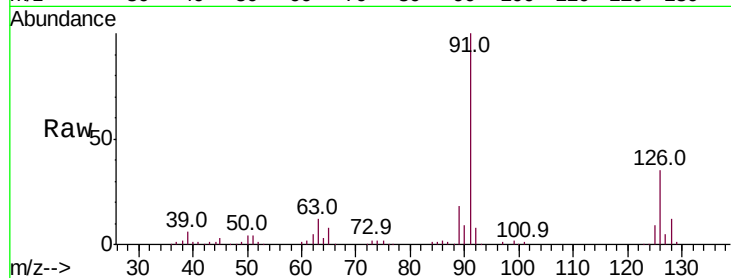
Ion Ratio Lower Upper

91 100

126 34.8 0.0 72.4

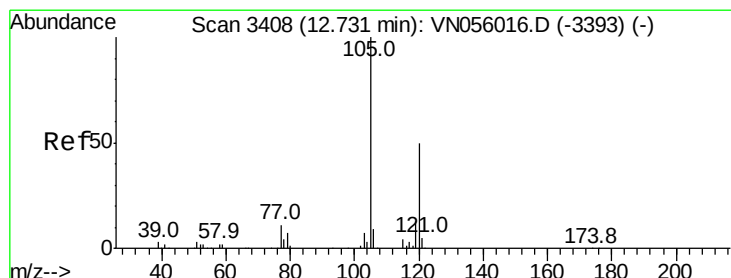
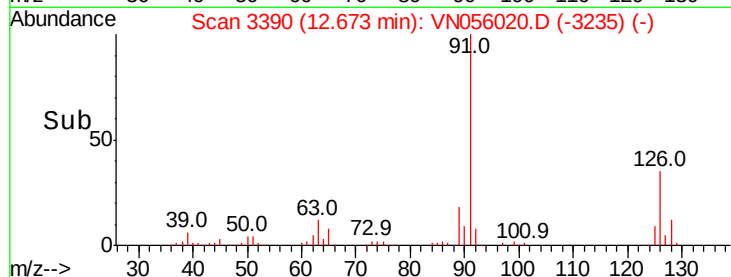
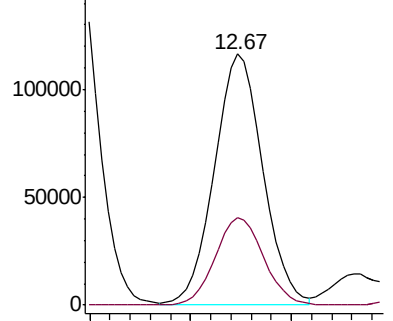
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN056020.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN056020.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.219 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056020.D

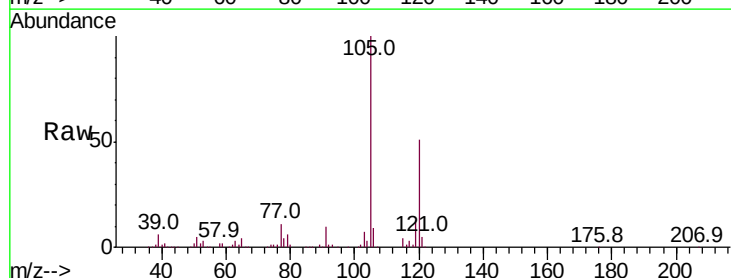
Acq: 5 Jun 2019 21:23

Tgt Ion: 105 Resp: 242416

Ion Ratio Lower Upper

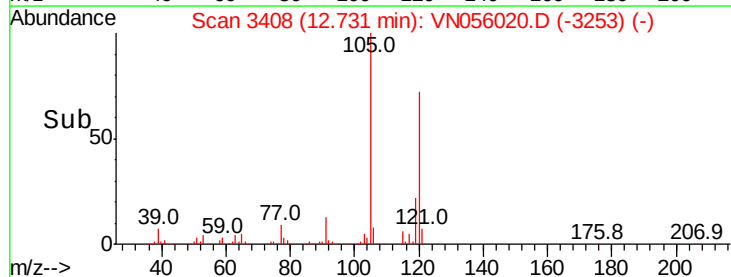
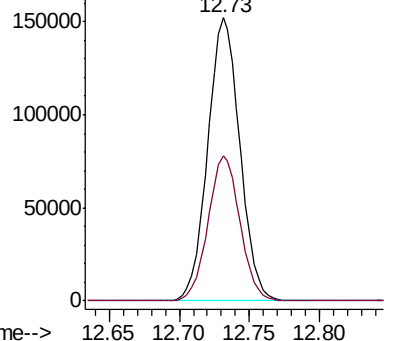
105 100

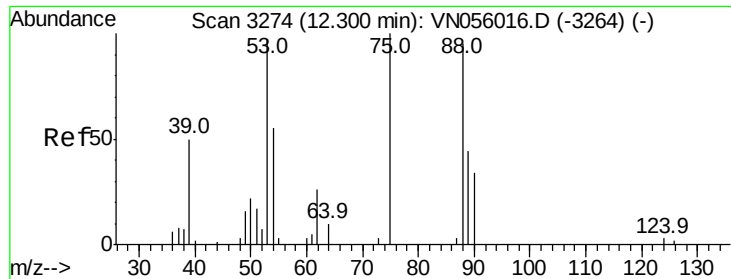
120 50.9 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056020.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN056020.D (-3253) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.679 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

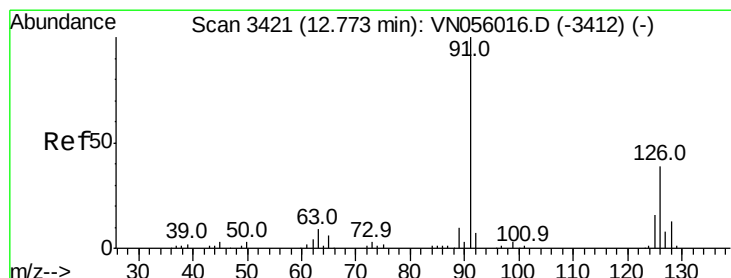
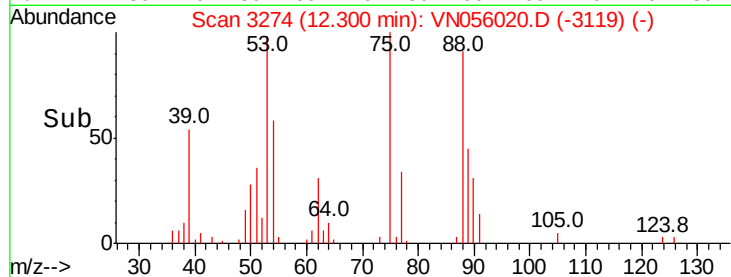
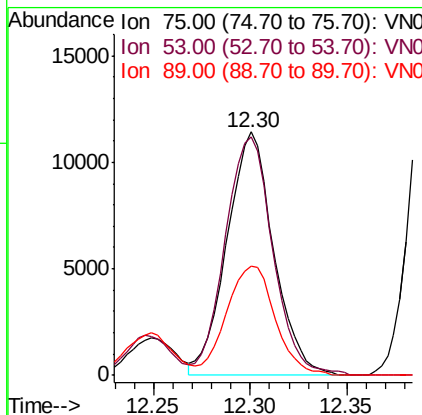
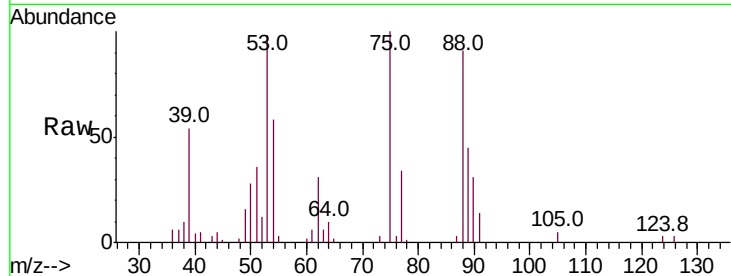
ClientSampled :

ICVVN060619

Tot Ion:	75	Resp:	19191
Ion	Ratio	Lower	Upper
75	100		
53	96.4	48.0	144.0
89	44.8	22.5	67.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.018 ug/l

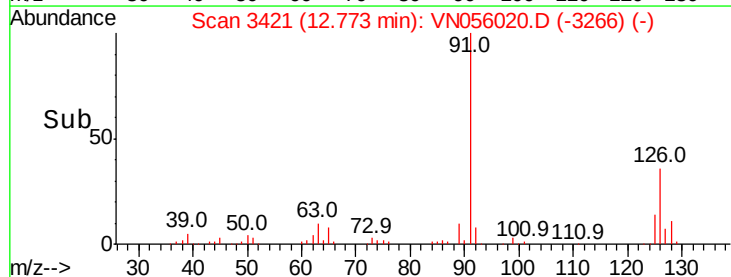
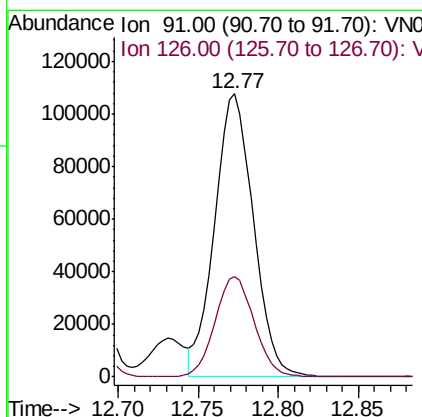
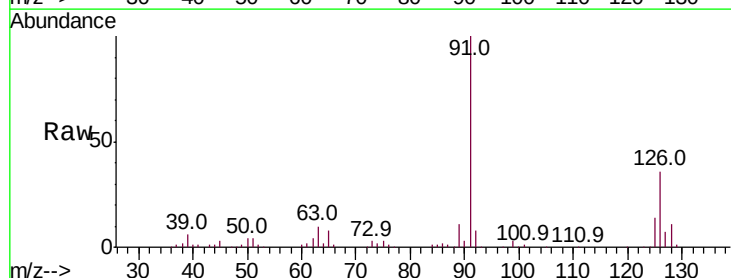
RT: 12.77 min Scan# 3421

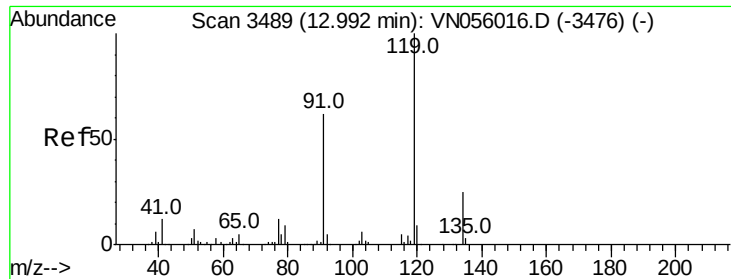
Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Tgt Ion:	91	Resp:	178372
Ion	Ratio	Lower	Upper
91	100		
126	35.8	0.0	71.8





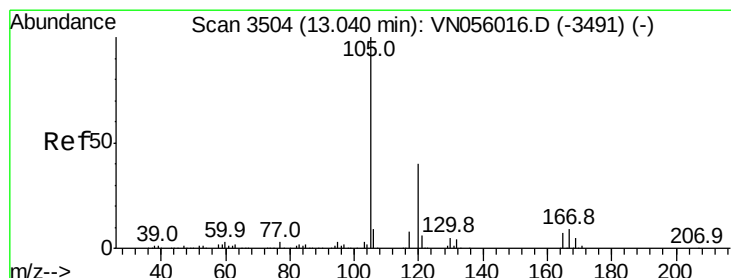
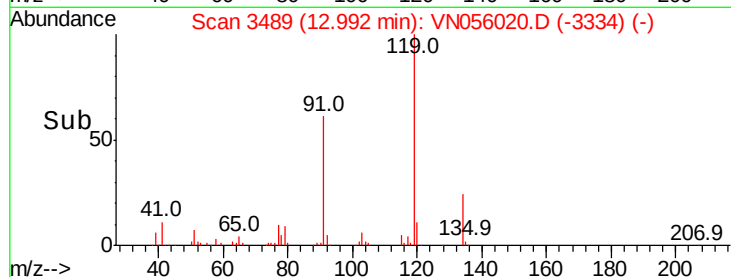
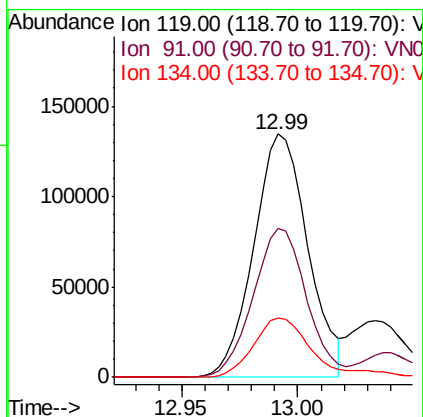
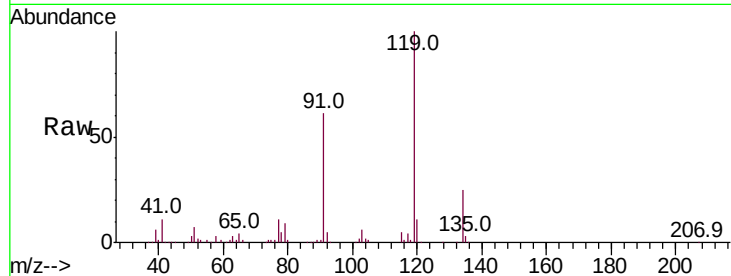
#79
tert-butylbenzene
Concen: 20.614 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218973		
91	60.5		0.0	122.8
134	26.8		0.0	50.2

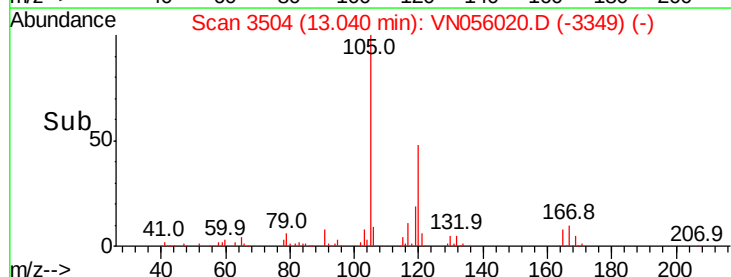
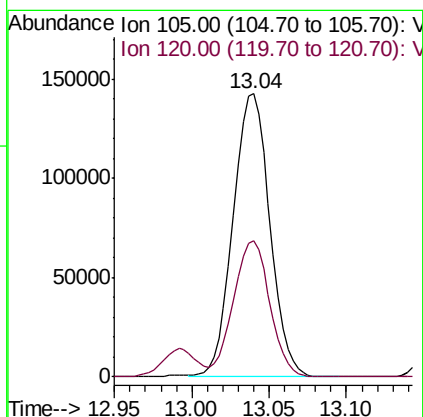
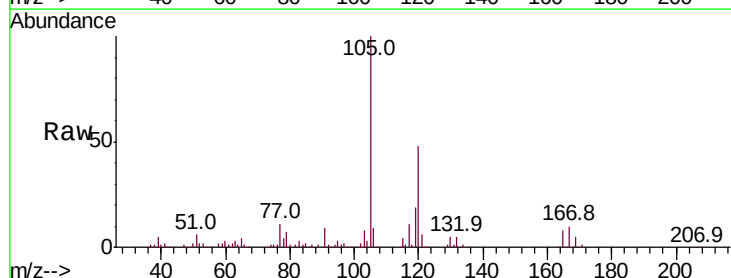
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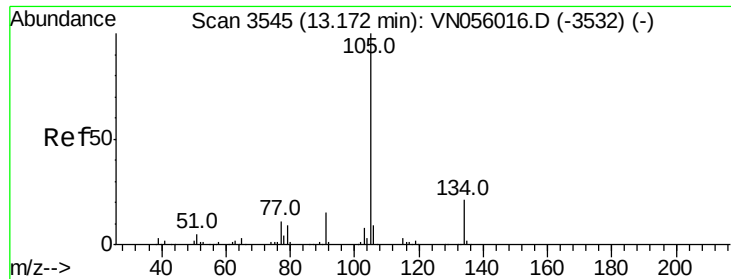
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#80
1,2,4-Trimethylbenzene
Concen: 20.202 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	235625		
120	47.5		0.0	93.4





#81

sec-Butylbenzene

Concen: 20.446 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060619

Tot Ion:105 Resp: 274746

Ion Ratio Lower Upper

105 100

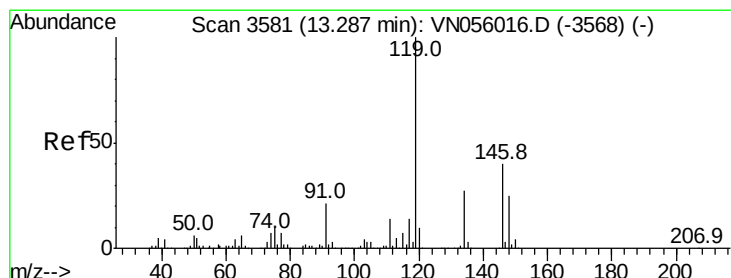
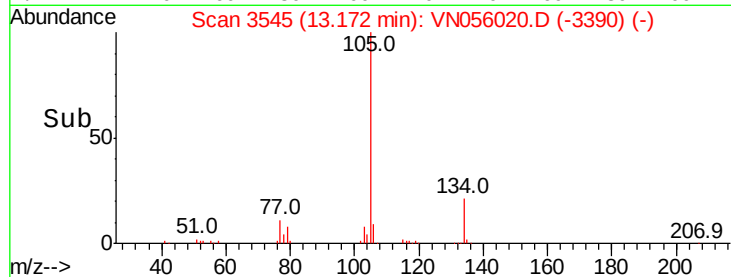
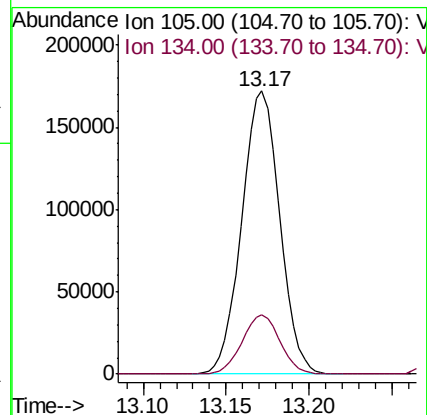
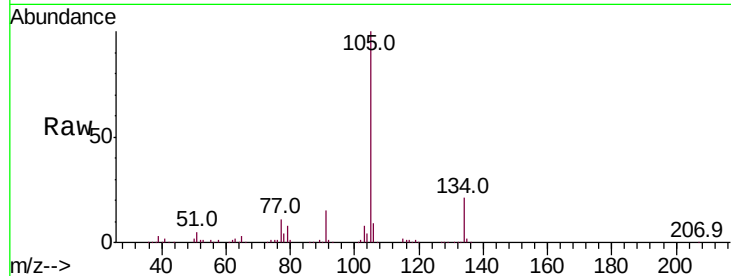
134 20.8 0.0 41.8

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 20.132 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

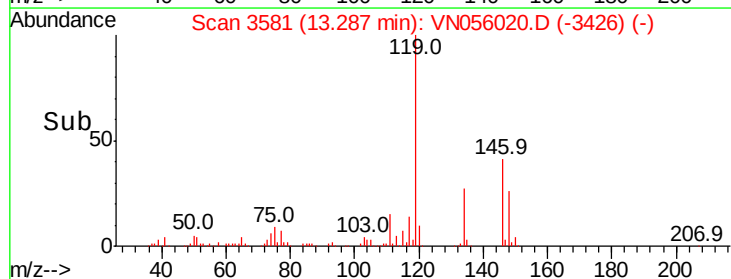
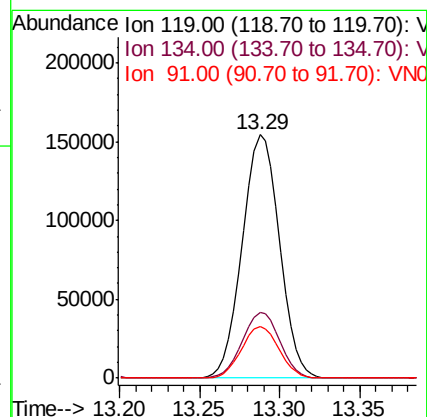
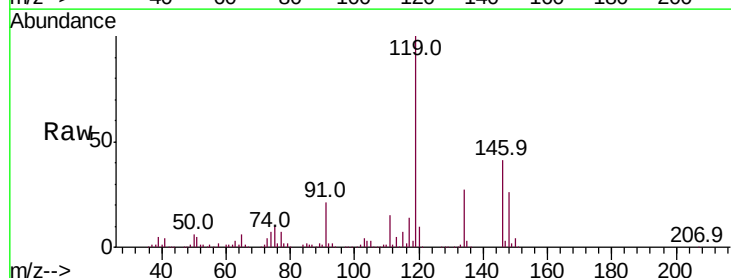
Tgt Ion:119 Resp: 244596

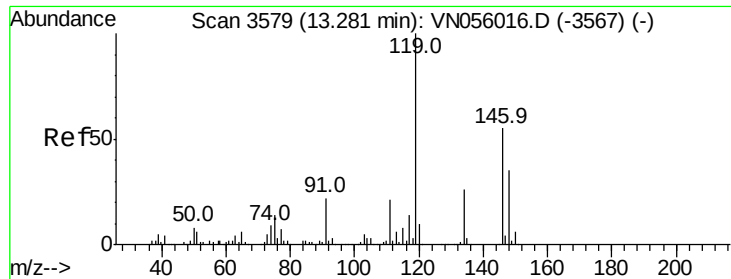
Ion Ratio Lower Upper

119 100

134 27.1 0.0 53.4

91 21.4 0.0 43.0





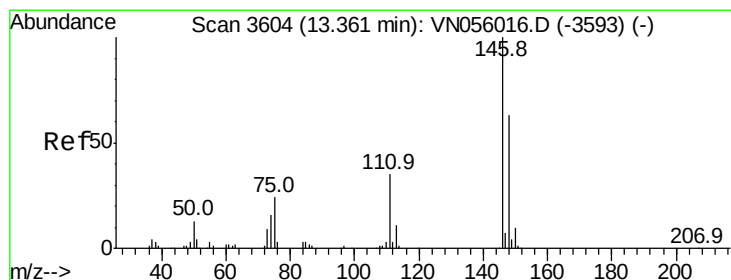
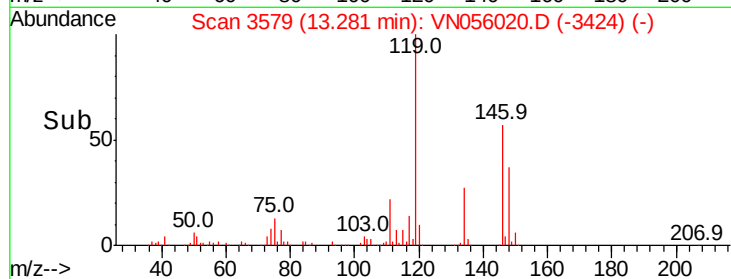
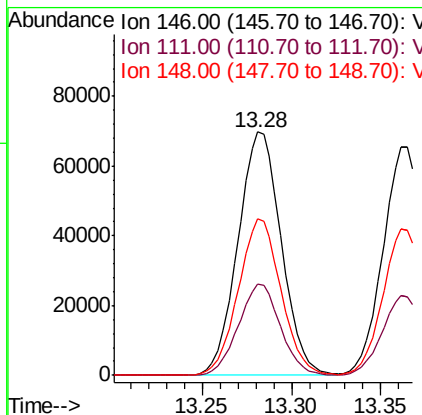
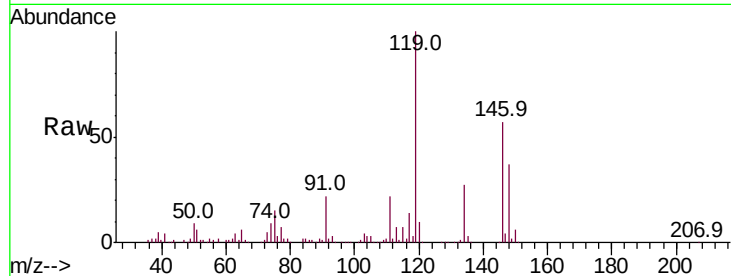
#83
 1,3-Dichlorobenzene
 Concen: 19.633 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.2	54.6
148	63.4	31.9	95.9

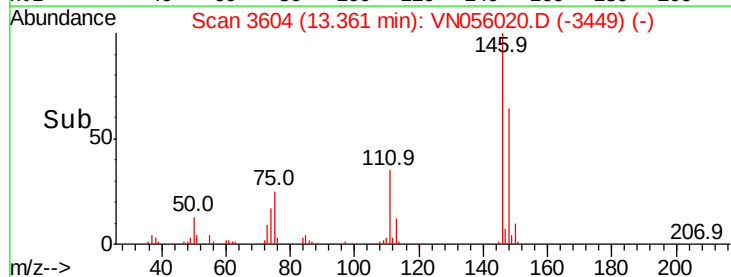
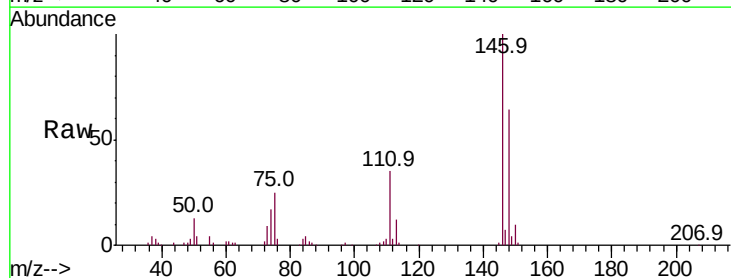
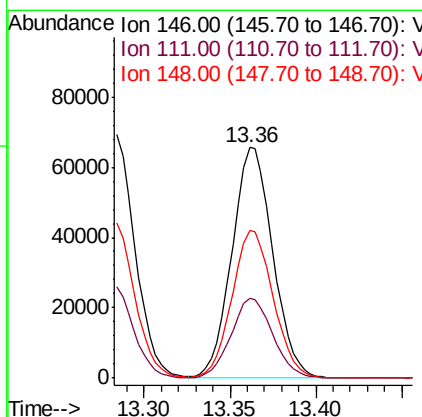
Manual Integrations
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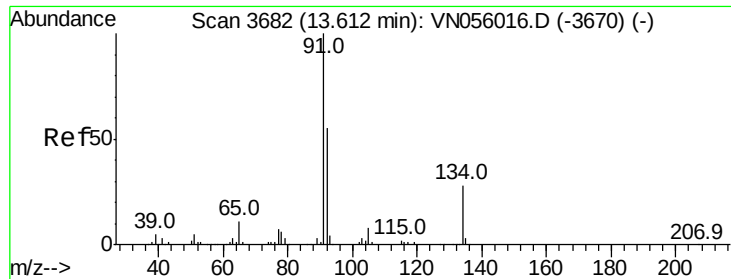
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 18.926 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.6	52.9
148	64.4	32.1	96.3





#85

n-Butylbenzene

Concen: 18.910 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

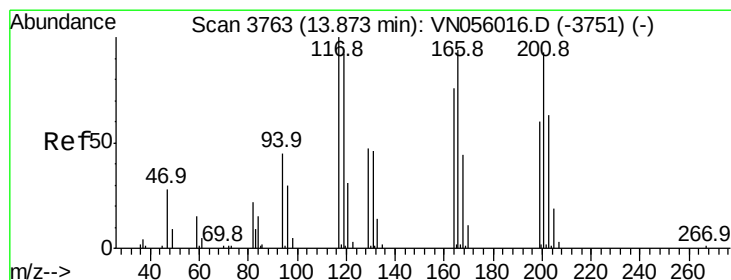
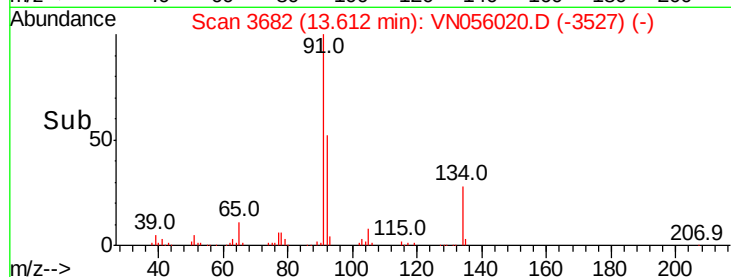
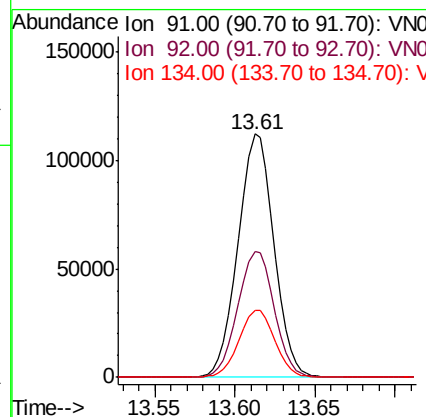
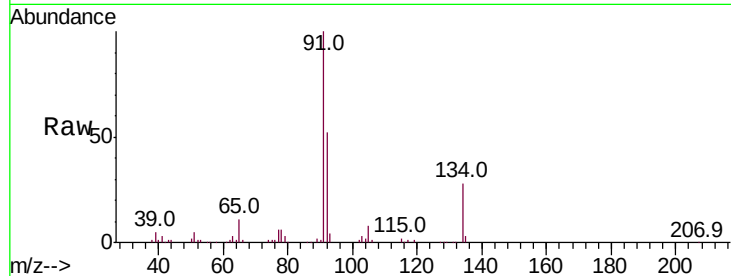
ClientSampled :

ICVVN060619

Tot Ion:	91	Resp:	171469
Ion	Ratio	Lower	Upper
91	100		
92	52.5	0.0	107.2
134	27.5	0.0	55.8

Manual Integrations
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#86

Hexachloroethane

Concen: 18.926 ug/l

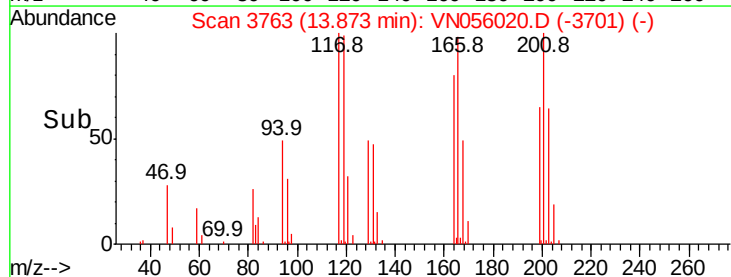
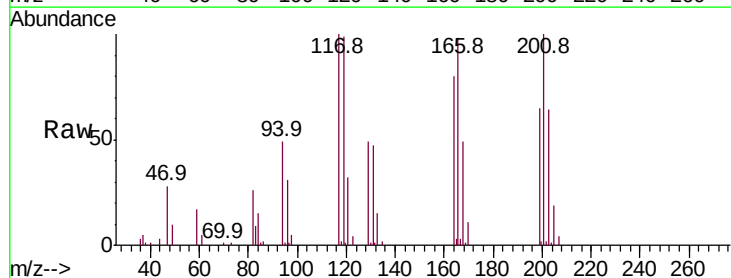
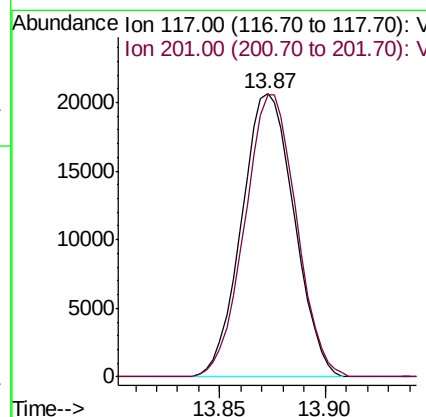
RT: 13.87 min Scan# 3763

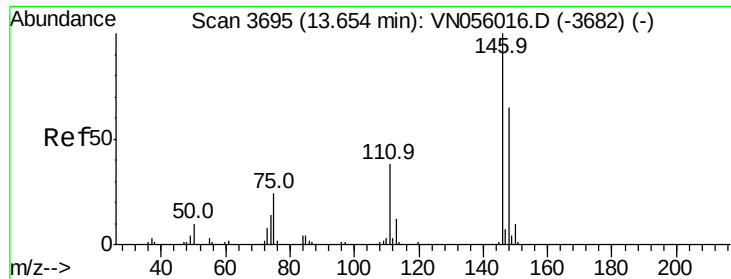
Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Tgt Ion:	117	Resp:	35847
Ion	Ratio	Lower	Upper
117	100		
201	97.5	48.1	144.4





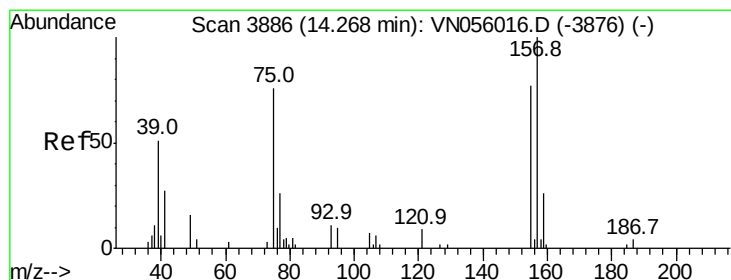
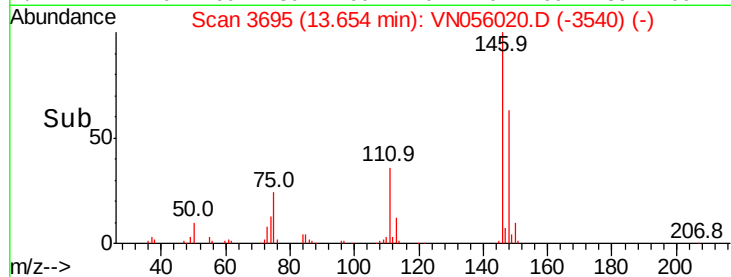
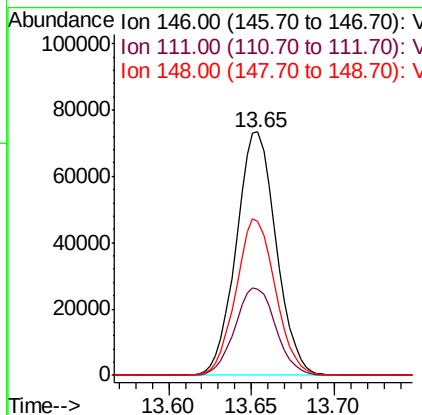
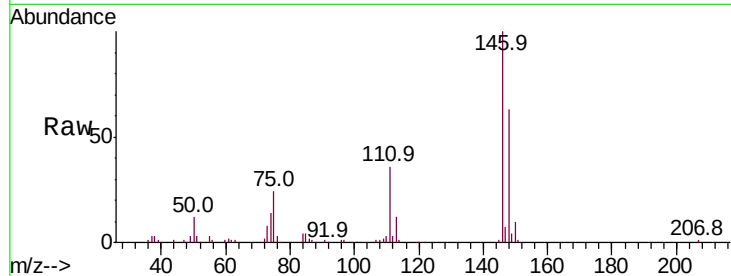
#87
 1,2-Dichlorobenzene
 Concen: 20.018 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122684		
111	36.8	19.3	57.9	
148	63.8	32.6	97.8	

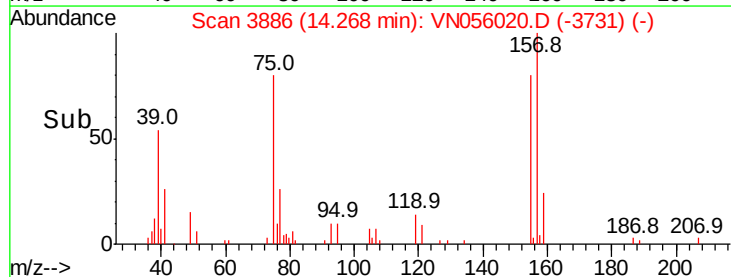
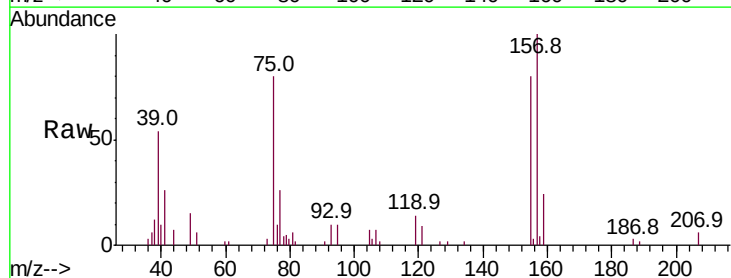
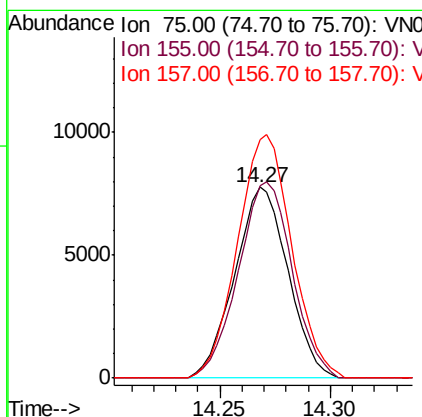
Manual Integrations
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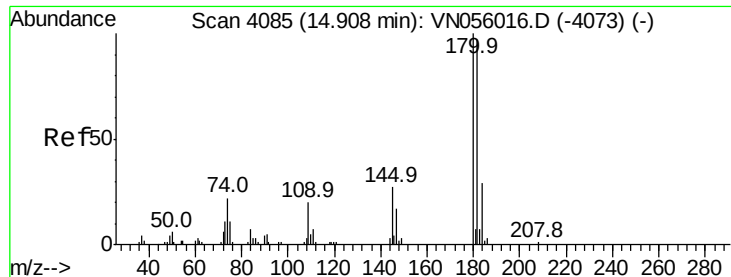
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.896 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13035		
155	104.2	82.5	123.7	
157	129.8	105.1	157.7	





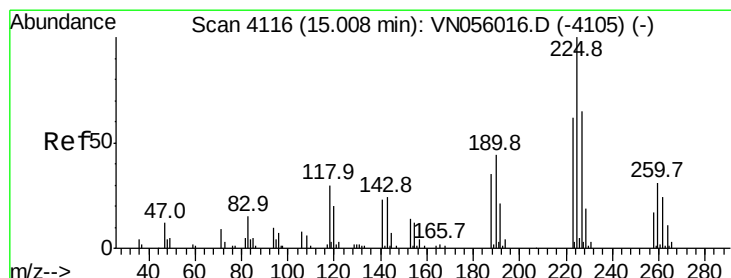
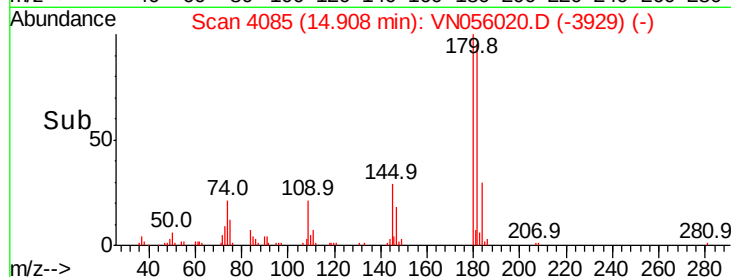
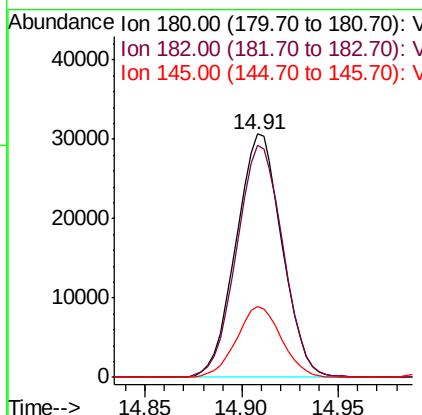
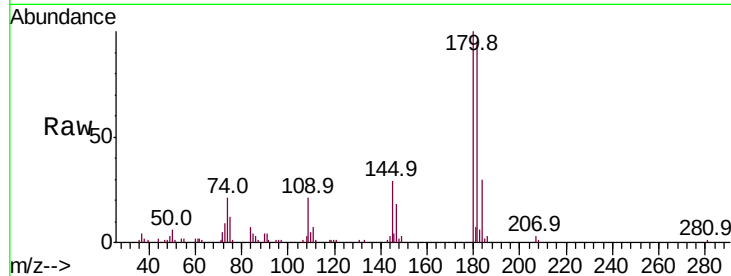
#89
1,2,4-Trichlorobenzene
Concen: 20.345 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.0	112.6
145	28.5	22.1	33.1

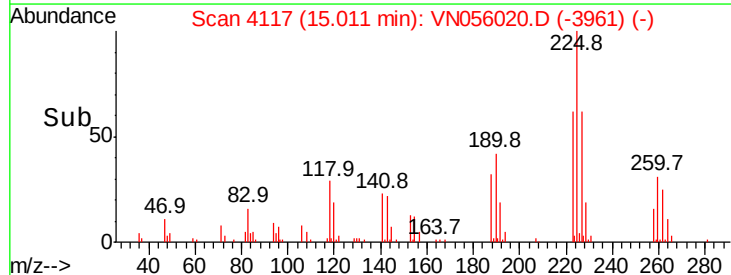
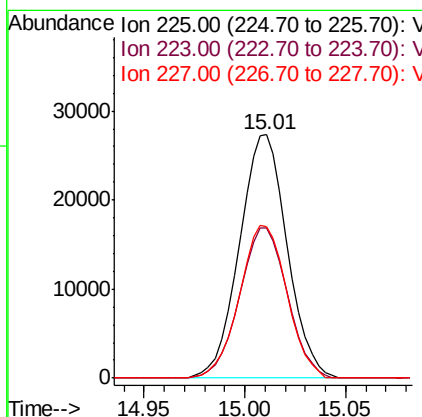
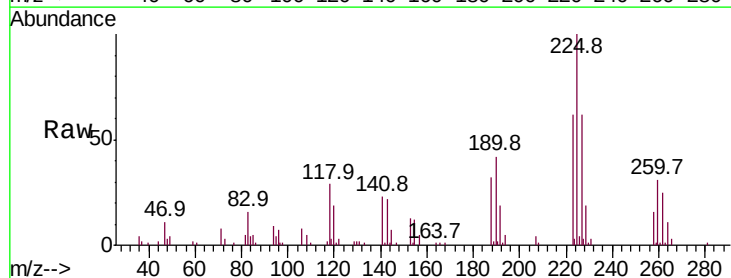
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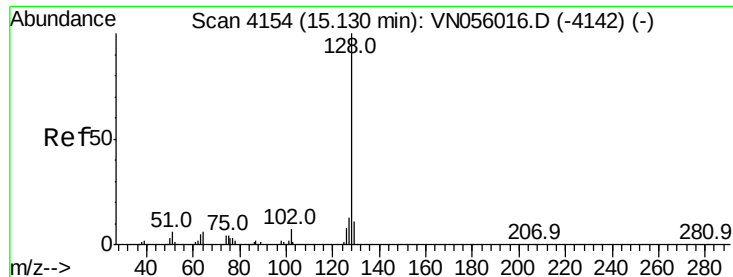
MMDadoda
6/6/2019 10:19:48 AM



#90
Hexachlorobutadiene
Concen: 20.204 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	125.6
227	62.4	0.0	128.6





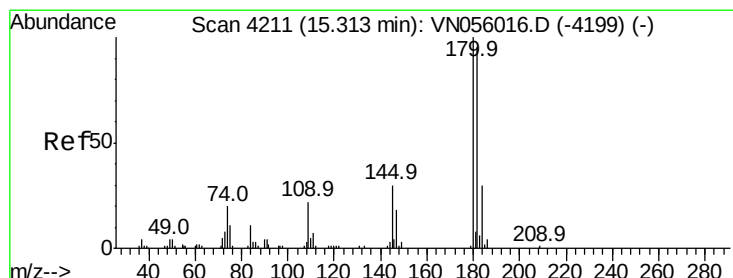
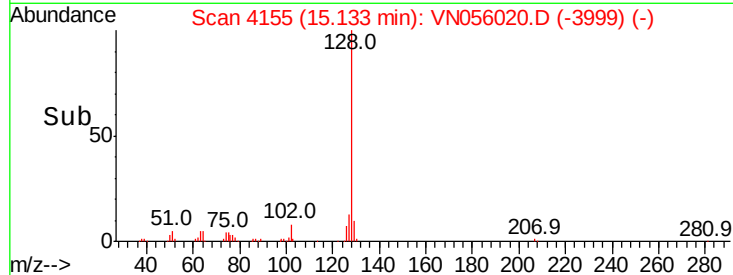
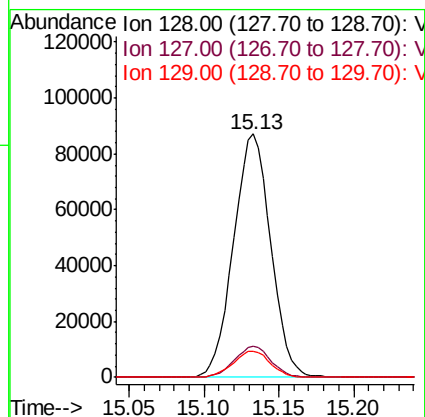
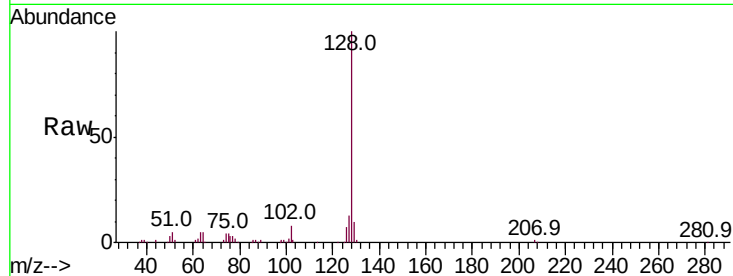
#91
Naphthalene
Concen: 18.536 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

Tot Ion	Ratio	Resp	Lower	Upper
128	100	150879		
127	12.6		10.4	15.6
129	10.6		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/6/2019 10:19:48 AM



#92
1,2,3-Trichlorobenzene
Concen: 18.798 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	60306		
182	95.8		0.0	193.4
145	29.4		0.0	59.8

