

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056018.D
 Acq On : 5 Jun 2019 20:08
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 10:19:38 AM

Quant Time: Jun 06 03:55:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 03:18:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	54715	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	299182	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	269453	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	100939	28.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.80%
60) 4-Bromofluorobenzene	12.40	95	125282	30.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.83%
63) Toluene-d8	10.09	98	360740	29.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	317064	123.151	ug/l 99
3) Chloromethane	2.06	50	354150	103.133	ug/l 99
4) Vinyl Chloride	2.18	62	362504	102.716	ug/l 100
5) Bromomethane	2.52	94	224686	105.964	ug/l 100
6) Chloroethane	2.68	64	187531	91.388	ug/l 95
7) Trichlorofluoromethane	3.00	101	448030	101.269	ug/l 97
8) Diethyl Ether	3.40	74	187583	97.517	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	277632	100.144	ug/l 99
10) 1,1-Dichloroethene	3.72	96	285841	99.296	ug/l 97
11) Methyl Iodide	3.94	142	464379	110.896	ug/l 98
12) Methyl Acetate	4.33	43	318970	90.885	ug/l 99
13) Acrolein	3.60	56	80388	187.674	ug/l 99
14) Acrylonitrile	4.99	53	758314	477.953	ug/l 99
15) Acetone	3.82	58	244272	486.818	ug/l 98
16) Carbon Disulfide	4.04	76	719326	91.223	ug/l 99
17) Allyl chloride	4.31	41	450792	89.785	ug/l 99
18) Methylene Chloride	4.54	84	321134	97.306	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	302023	97.574	ug/l 96
20) Diisopropyl ether	5.96	45	906870	91.375	ug/l 94
21) 1,1-Dichloroethane	5.84	63	528167	94.085	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	351926	97.457	ug/l 100
23) tert-Butyl Alcohol	4.82	59	291267m	429.017	ug/l
24) Methyl tert-Butyl Ether	5.05	73	901748	93.519	ug/l 98
25) Chloroform	7.37	83	526965	94.667	ug/l 99
26) Cyclohexane	7.65	56	490919	94.477	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	407743	98.414	ug/l 100
30) 2-Butanone	6.84	43	1051370	477.598	ug/l 99
31) 2,2-Dichloropropane	6.82	77	380931	82.674	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	454090	93.797	ug/l 99
33) Carbon Tetrachloride	7.77	117	386839	90.601	ug/l 98
34) Benzene	8.04	78	1265237	98.193	ug/l # 92
35) Methacrylonitrile	7.17	41	195455	95.277	ug/l 97
36) 1,2-Dichloroethane	8.12	62	391079	93.856	ug/l 99
37) Trichloroethene	8.83	130	357974	99.281	ug/l 98
38) Methylcyclohexane	9.08	83	515047	98.151	ug/l 98
39) 1,2-Dichloropropane	9.12	63	327984	95.498	ug/l 97
40) Dibromomethane	9.21	93	218552	97.946	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	406288	91.821	ug/l	99
42) Vinyl Acetate	5.90	43	3861942	460.096	ug/l	100
43) Ethyl Acetate	6.93	43	401916	93.585	ug/l	99
44) Isopropyl Acetate	8.17	43	645474	91.973	ug/l	97
45) 1,4-Dioxane	9.20	88	133939	1967.008	ug/l	99
46) Methyl methacrylate	9.20	41	318857	97.081	ug/l	98
47) n-amyl Acetate	12.07	43	546348	94.426	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	447872	92.723	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	505816	94.231	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	320335	98.600	ug/l	98
51) Ethyl methacrylate	10.43	69	504999	98.162	ug/l	99
52) 1,3-Dichloropropane	10.71	76	523659	98.122	ug/l	99
53) Dibromochloromethane	10.90	129	346087	94.204	ug/l	99
54) 1,2-Dibromoethane	11.00	107	341807	101.684	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	925272	471.212	ug/l	100
56) Bromoform	12.13	173	261783	89.339	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	1997233	458.543	ug/l	100
59) 2-Hexanone	10.75	43	1436808	460.589	ug/l	98
61) Tetrachloroethene	10.63	164	355713	97.226	ug/l	99
62) Toluene	10.16	91	1395803	96.590	ug/l	99
64) Chlorobenzene	11.43	112	866996	98.986	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	321201	93.256	ug/l	98
66) Ethyl Benzene	11.51	91	1527232	97.222	ug/l	100
67) m/p-Xylenes	11.62	106	1172220	196.295	ug/l	98
68) o-Xylene	11.95	106	571084	96.877	ug/l	99
69) Styrene	11.96	104	972195	100.282	ug/l	100
70) Isopropylbenzene	12.25	105	1487630	96.372	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	452144	95.654	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	365641m	90.376	ug/l	
73) Bromobenzene	12.53	156	411261	100.747	ug/l	99
74) n-propylbenzene	12.59	91	1650605	99.893	ug/l	100
75) 2-Chlorotoluene	12.67	91	992381	98.104	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1247213	98.062	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	130824	86.526	ug/l	91
78) 4-Chlorotoluene	12.77	91	983408	103.006	ug/l	99
79) tert-butylbenzene	12.99	119	1068469	95.707	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1237364	98.425	ug/l	100
81) sec-Butylbenzene	13.17	105	1413819	99.580	ug/l	100
82) p-Isopropyltoluene	13.29	119	1307937	100.560	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	679709	106.839	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	664342	110.036	ug/l	100
85) n-Butylbenzene	13.61	91	1045896	104.658	ug/l	100
86) Hexachloroethane	13.87	117	214051	87.847	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	674254	105.244	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	78972	92.746	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	391534	115.530	ug/l	99
90) Hexachlorobutadiene	15.01	225	232969	91.889	ug/l	100
91) Naphthalene	15.13	128	1043911	113.106	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	400799	112.921	ug/l	99

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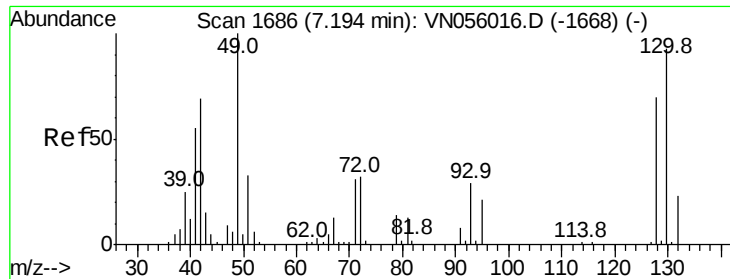
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



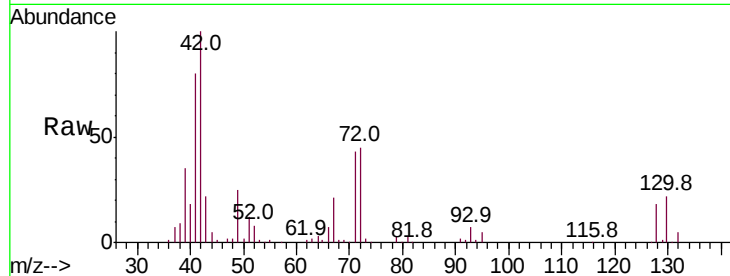
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
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 ClientSampleId :
 VSTDIC100

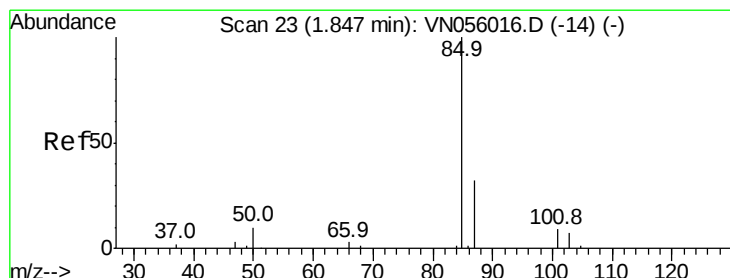
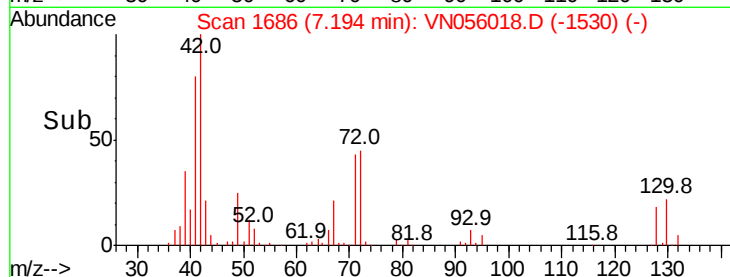
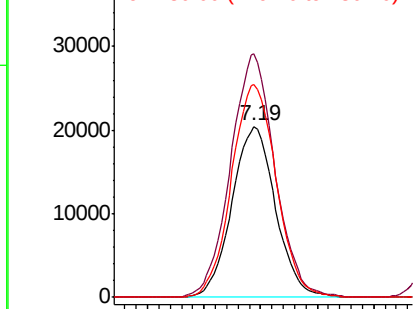
Tot Ion	Ratio	Lower	Upper
128	100		
49	145.3	0.0	355.8
130	128.3	0.0	326.3

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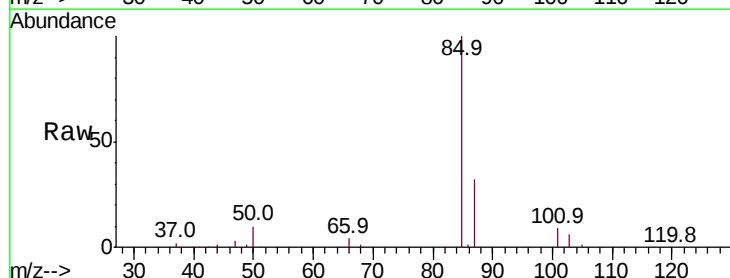


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

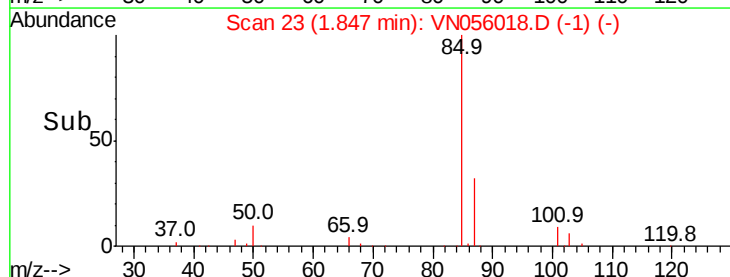
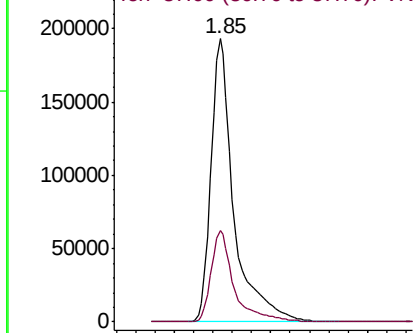


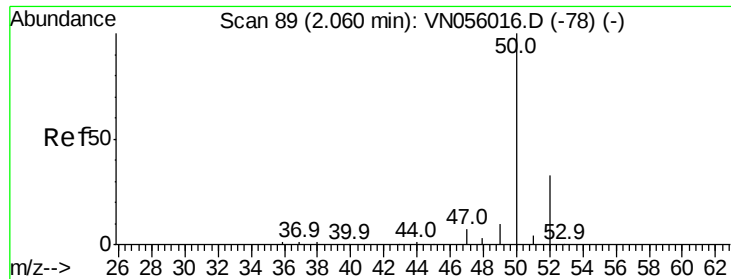
#2
 Dichlorodifluoromethane
 Concen: 123.151 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.9	47.7



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





#3

Chloromethane

Concen: 103.133 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 354150

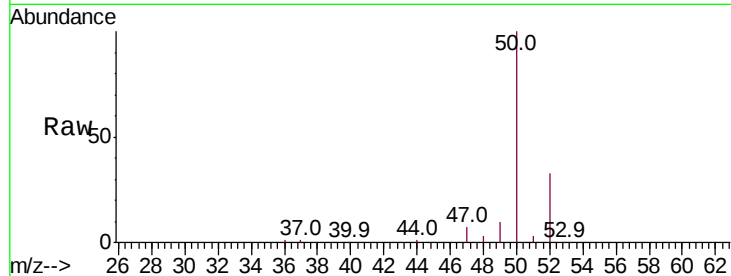
Ion Ratio Lower Upper

50 100

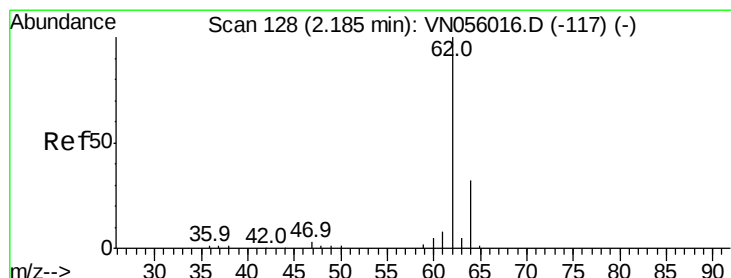
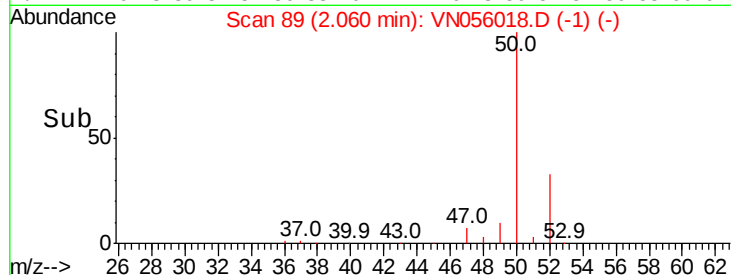
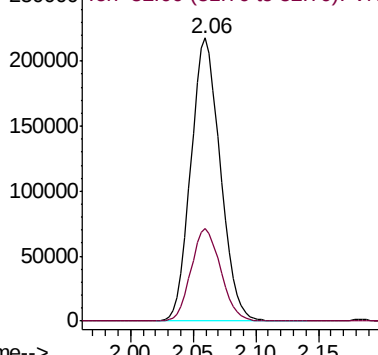
52 32.6 26.7 40.1

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Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 102.716 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056018.D

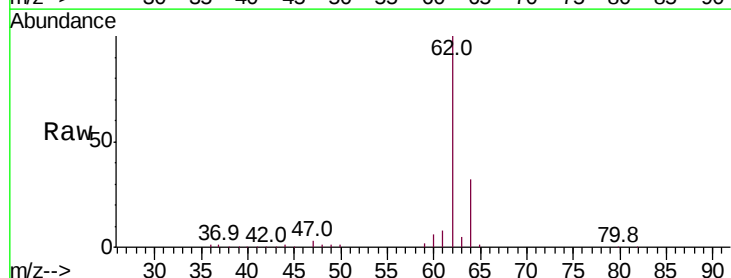
Acq: 5 Jun 2019 20:08

Tgt Ion: 62 Resp: 362504

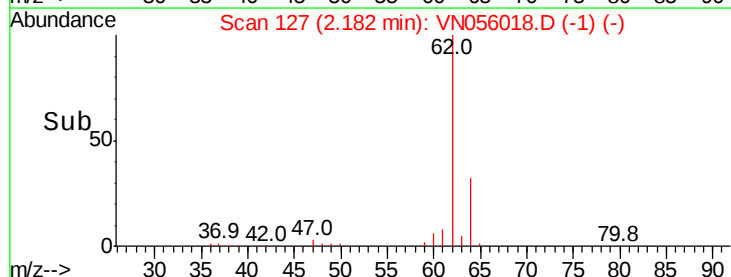
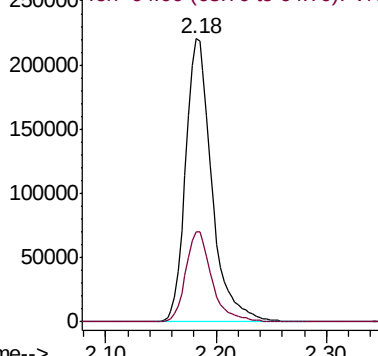
Ion Ratio Lower Upper

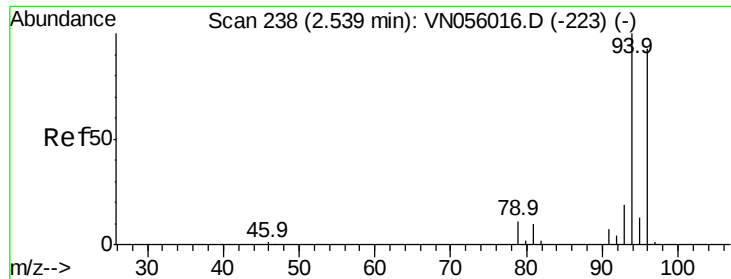
62 100

64 32.0 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 105.964 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.02 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 94 Resp: 224686

Ion Ratio Lower Upper

94 100

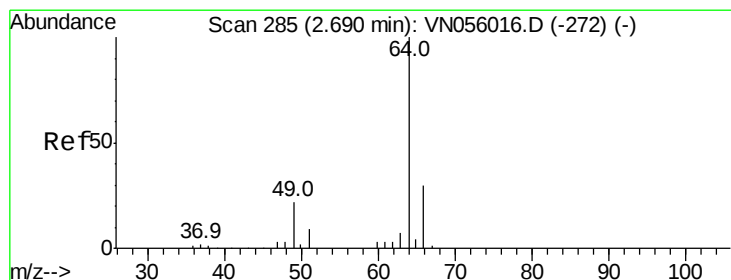
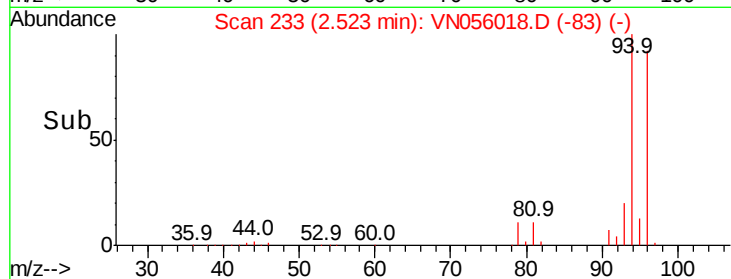
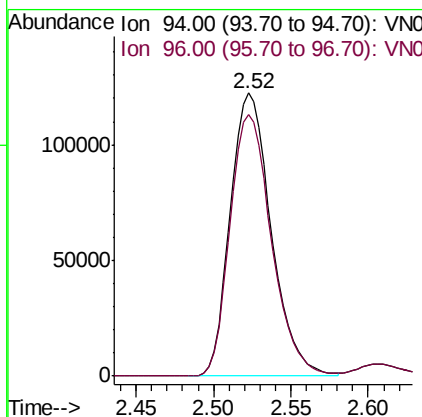
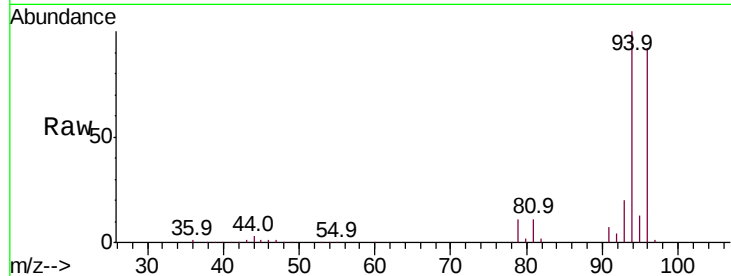
96 92.5 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 91.388 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN056018.D

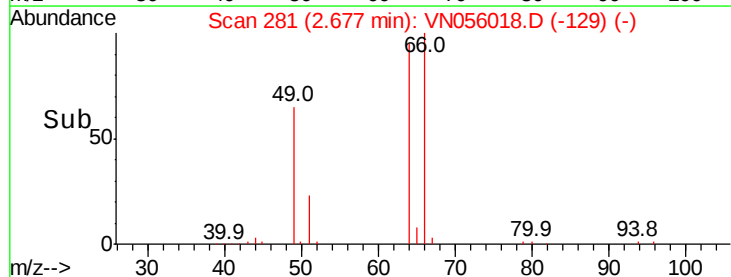
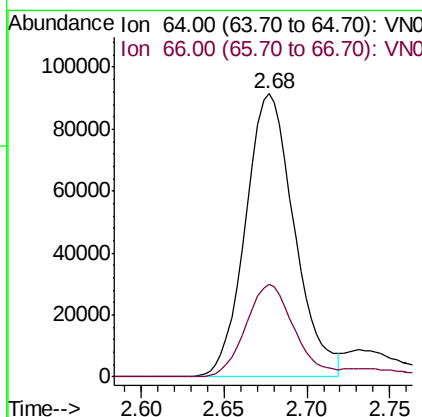
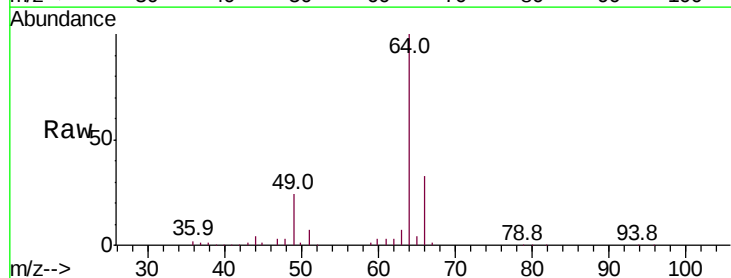
Acq: 5 Jun 2019 20:08

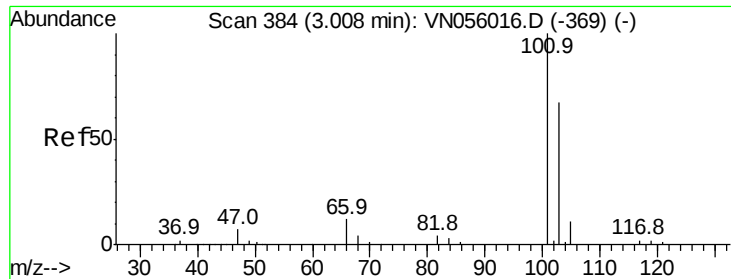
Tgt Ion: 64 Resp: 187531

Ion Ratio Lower Upper

64 100

66 32.5 23.7 35.5





#7

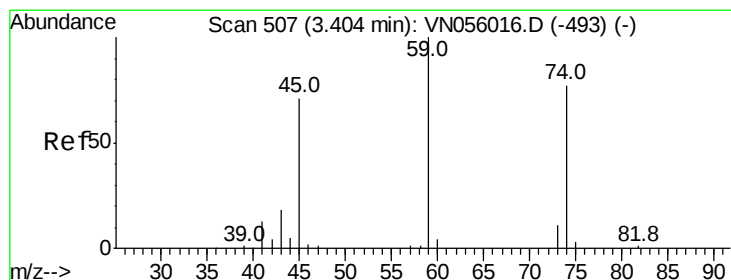
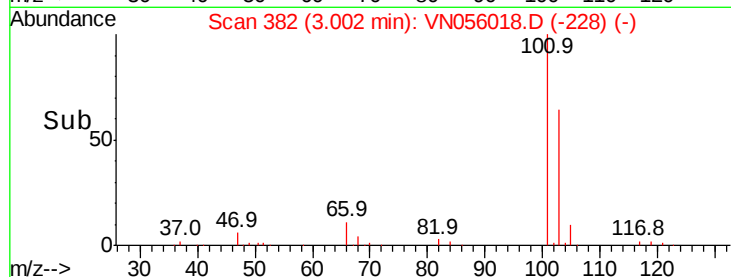
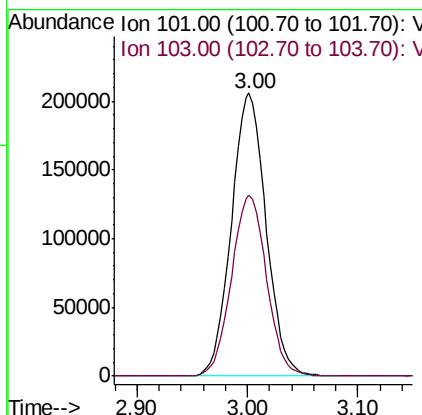
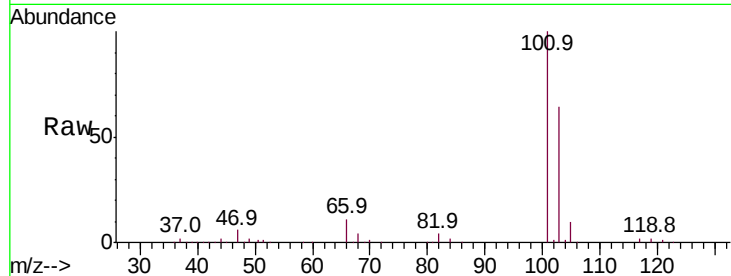
Trichlorofluoromethane
Concen: 101.269 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.4	80.0

Manual Integrations
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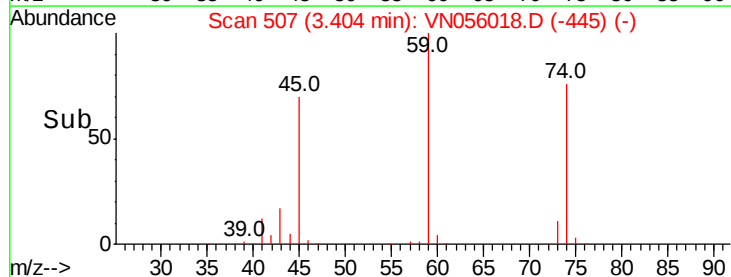
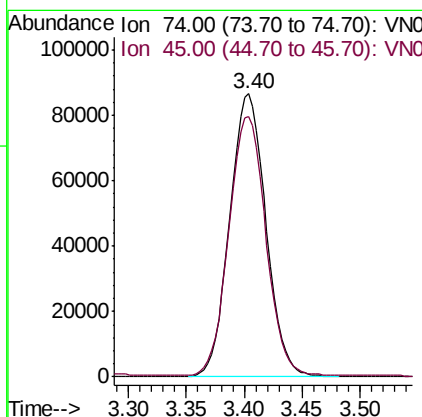
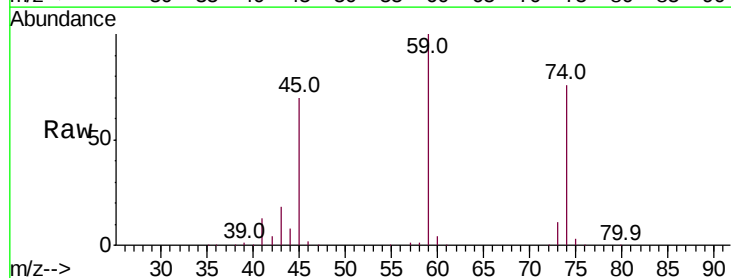
MMDadoda
6/6/2019 10:19:38 AM

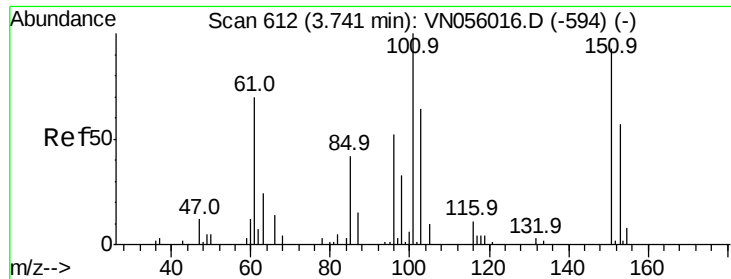


#8

Diethyl Ether
Concen: 97.517 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.144 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

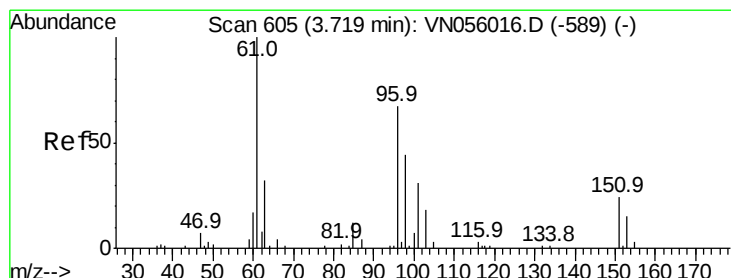
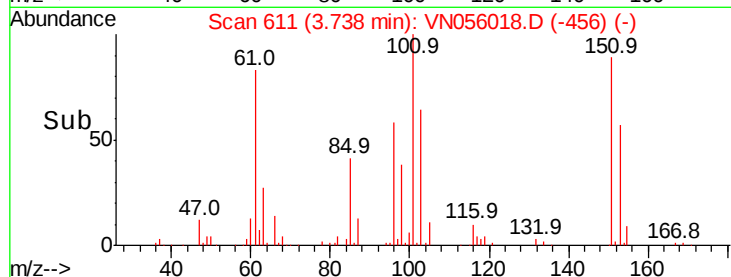
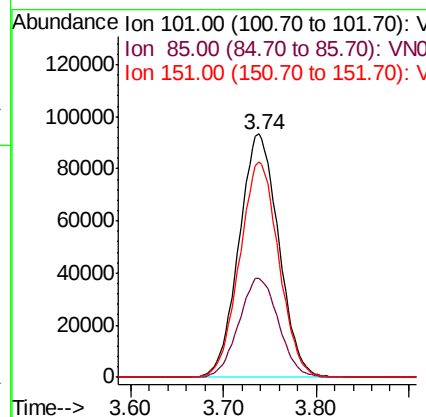
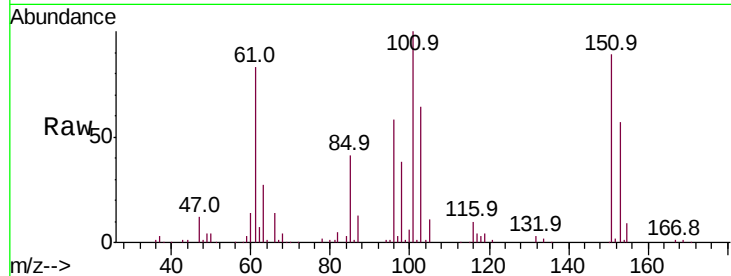
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	277632
Ion Ratio	Lower	Upper	
101	100		
85	40.6	0.0	82.0
151	87.5	0.0	177.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 99.296 ug/l

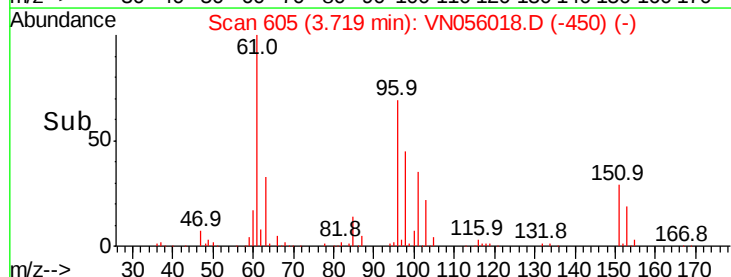
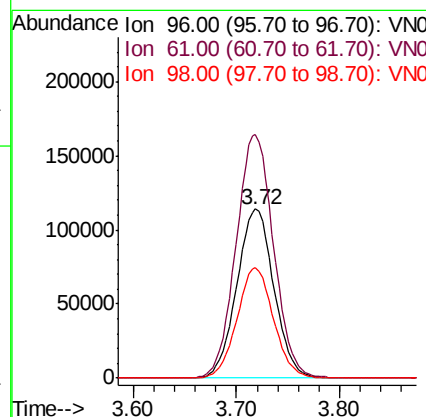
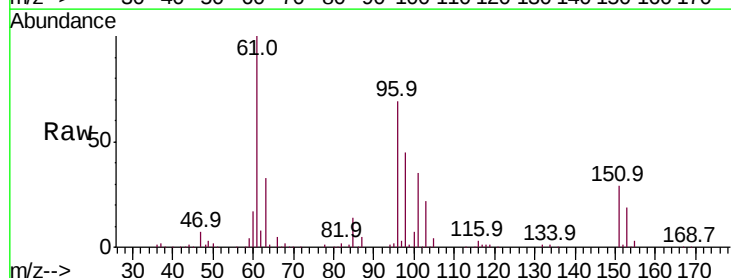
RT: 3.72 min Scan# 605

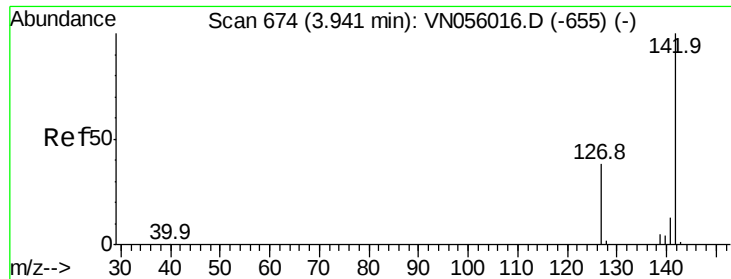
Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Tgt Ion:	96	Resp:	285841
Ion Ratio	Lower	Upper	
96	100		
61	143.7	119.7	179.5
98	65.1	52.3	78.5





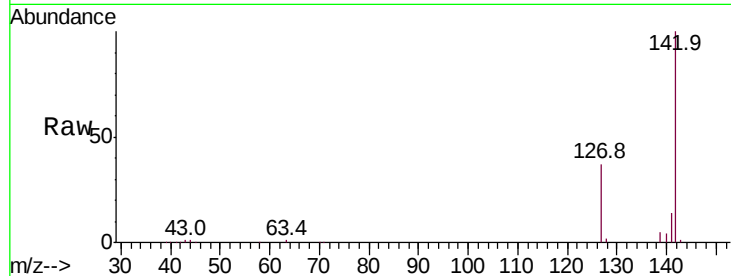
#11
Methyl Iodide
Concen: 110.896 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

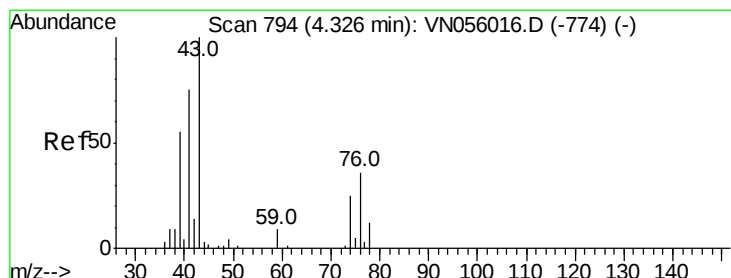
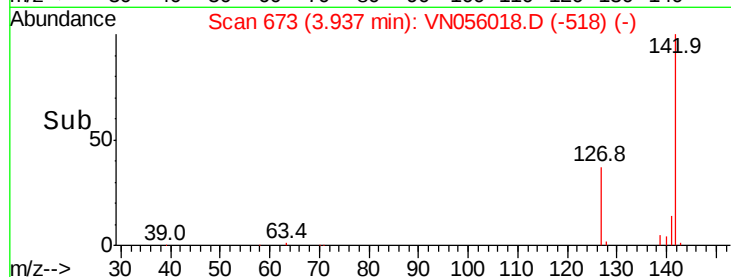
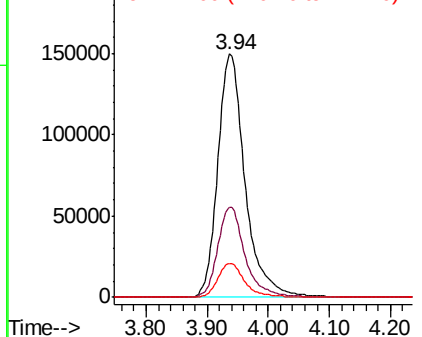
Tot Ion	Ratio	Lower	Upper
142	100		
127	37.1	19.0	57.0
141	13.9	6.7	20.0

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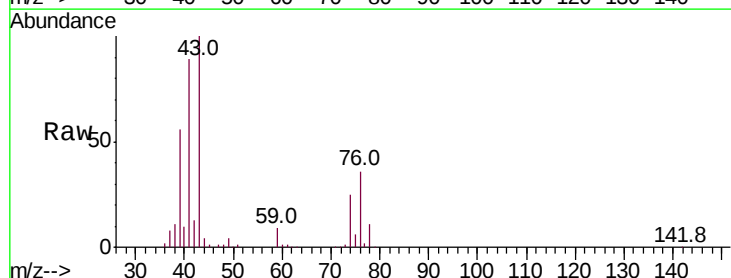


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

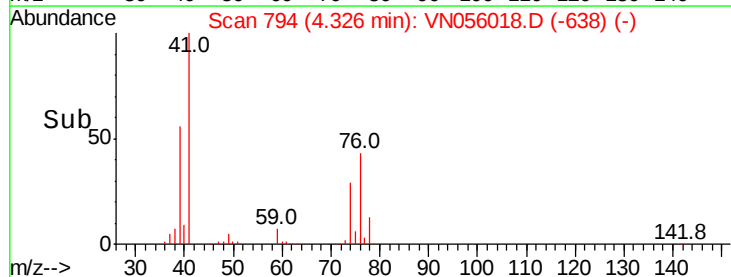
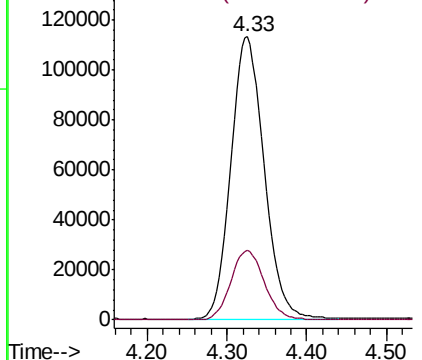


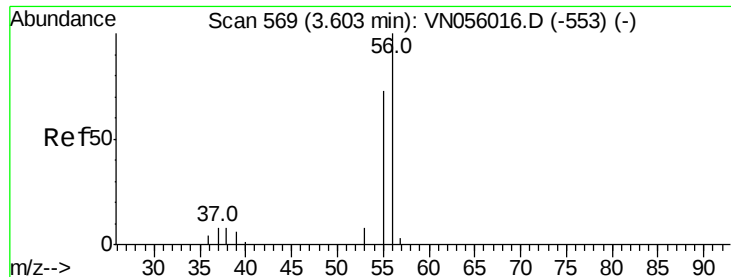
#12
Methyl Acetate
Concen: 90.885 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	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: 187.674 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 80388

Ion Ratio Lower Upper

56 100

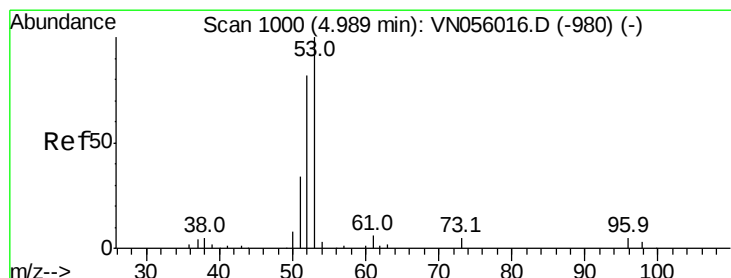
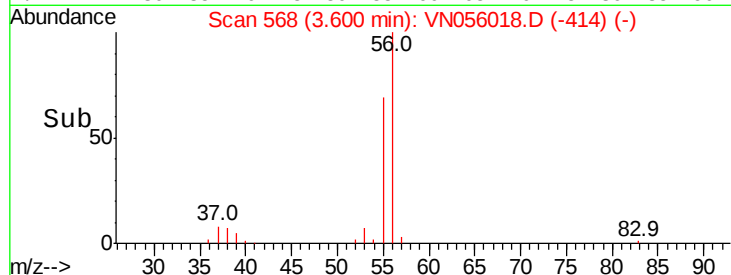
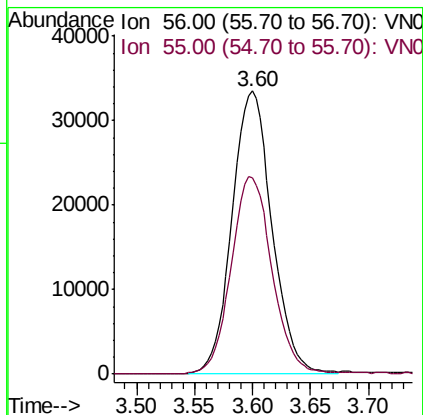
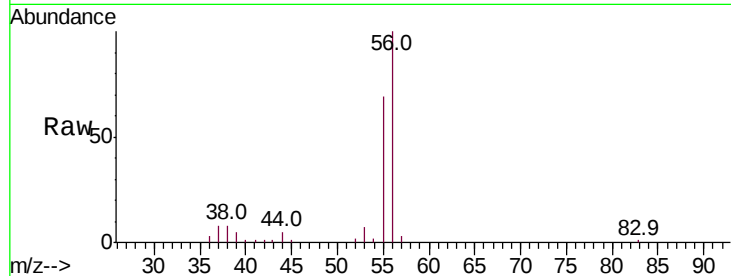
55 71.3 57.9 86.9

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#14

Acrylonitrile

Concen: 477.953 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

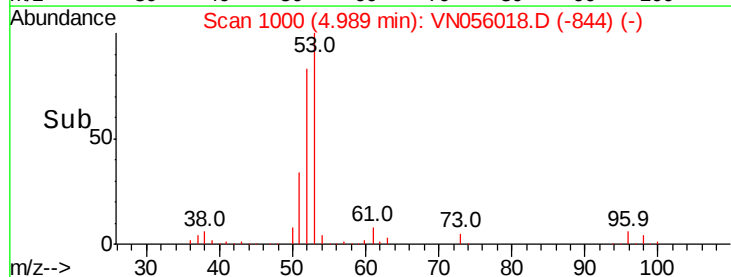
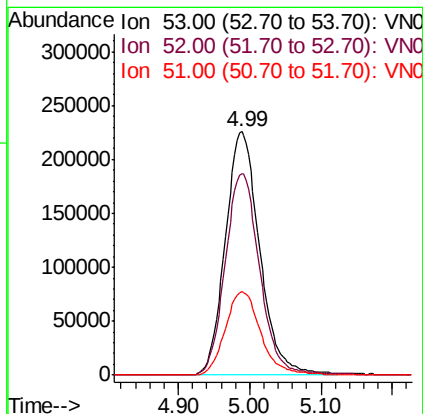
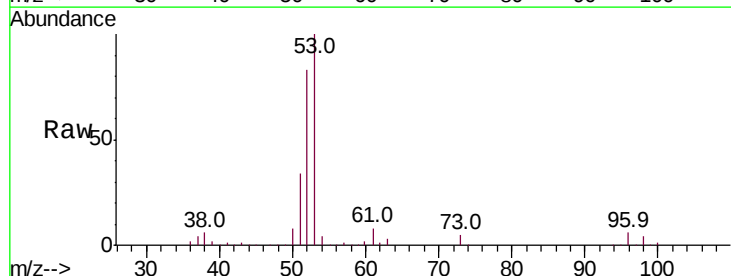
Tgt Ion: 53 Resp: 758314

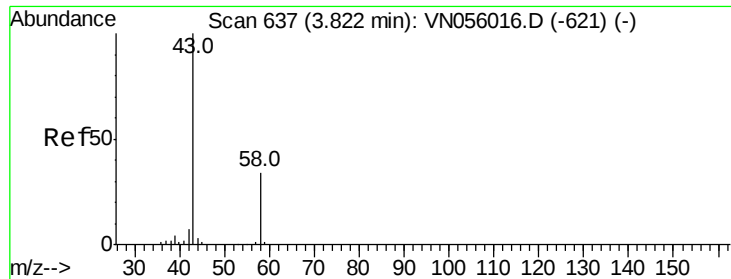
Ion Ratio Lower Upper

53 100

52 82.7 40.8 122.2

51 35.4 17.3 52.0





#15

Acetone

Concen: 486.818 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 244272

Ion Ratio Lower Upper

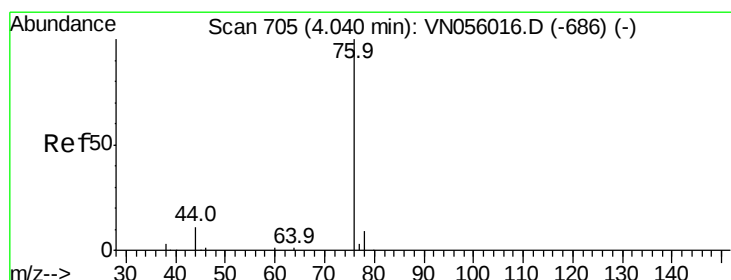
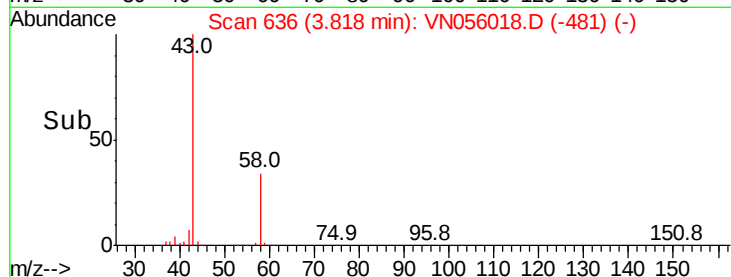
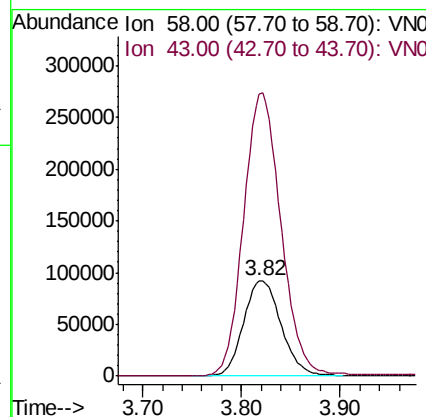
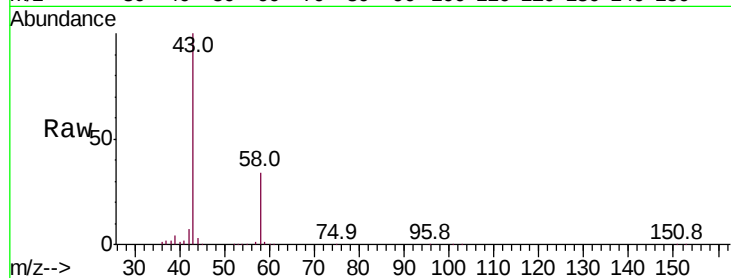
58 100

43 294.2 232.5 348.7

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#16

Carbon Disulfide

Concen: 91.223 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056018.D

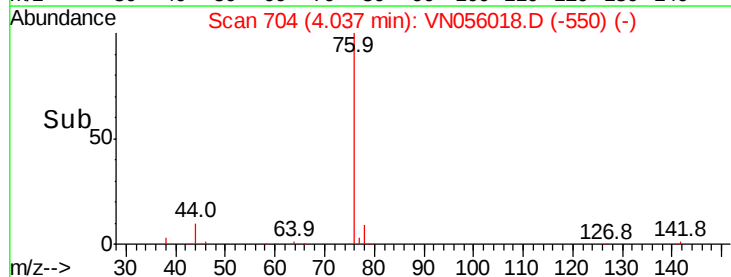
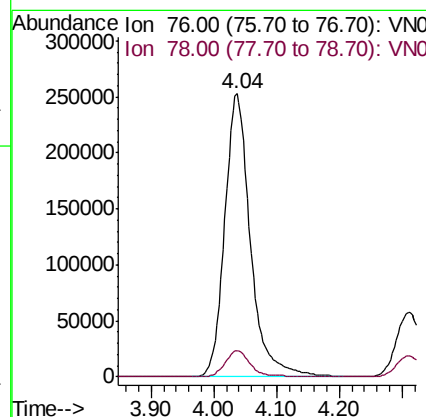
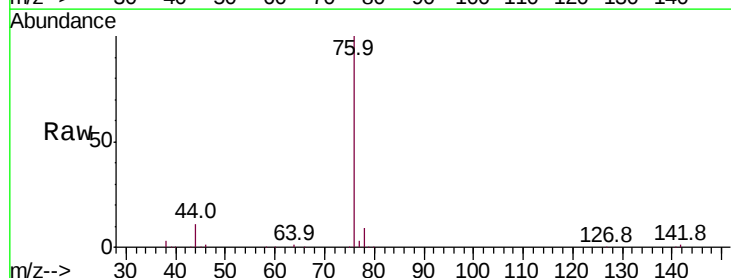
Acq: 5 Jun 2019 20:08

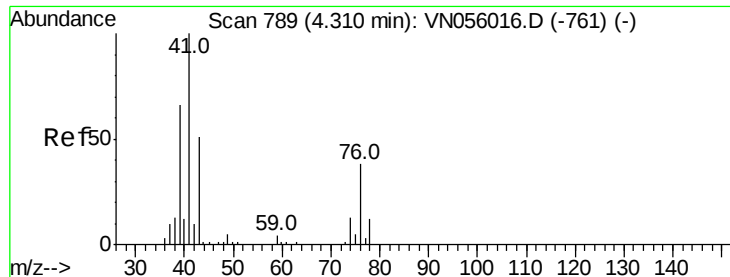
Tgt Ion: 76 Resp: 719326

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





#17

Allvl chloride

Concen: 89.785 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

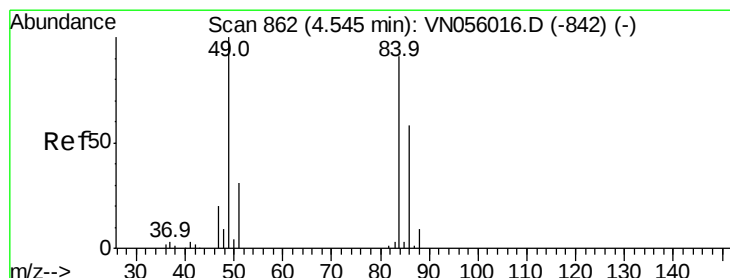
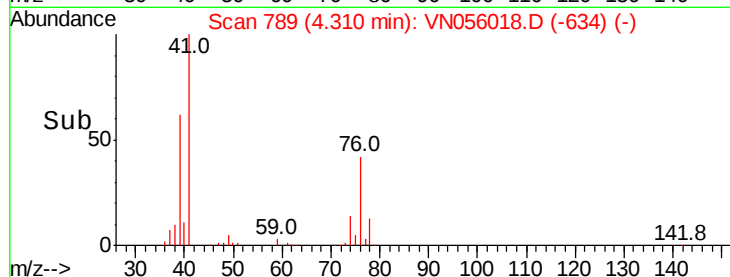
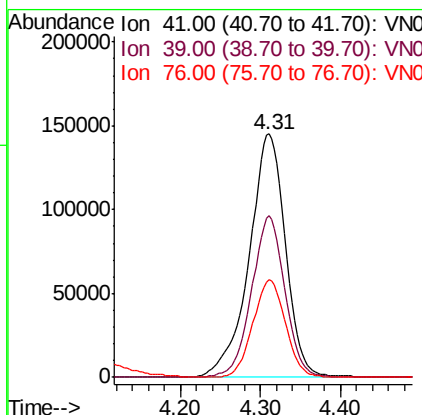
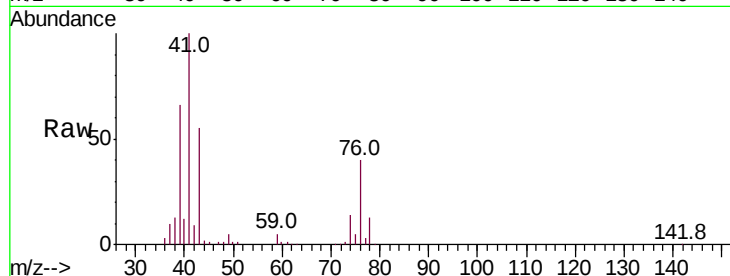
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	450792
Ion Ratio	Lower	Upper	
41	100		
39	66.4	33.0	99.0
76	39.9	18.9	56.9

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#18

Methylene Chloride

Concen: 97.306 ug/l

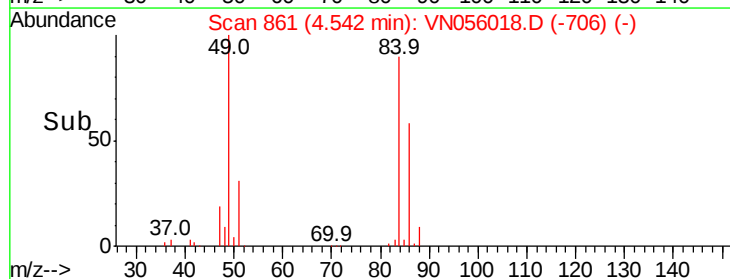
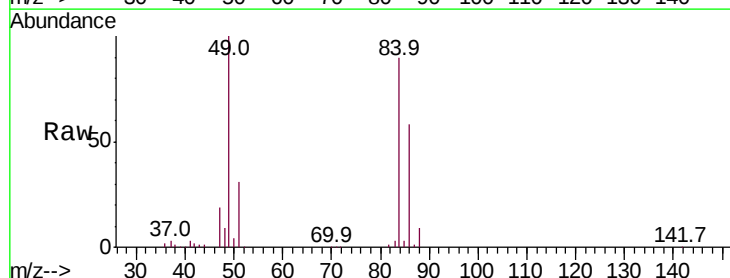
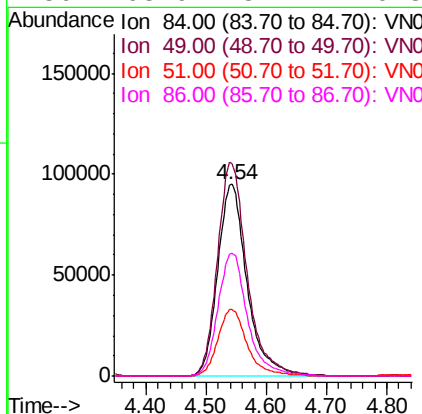
RT: 4.54 min Scan# 861

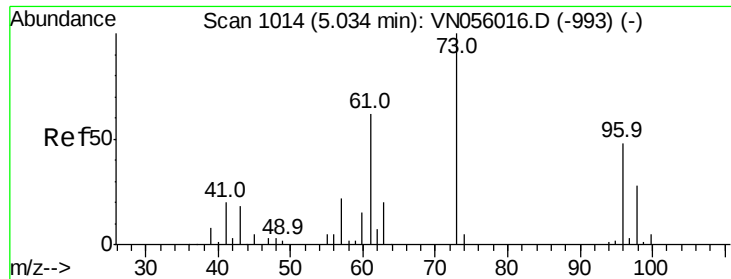
Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Tgt Ion:	84	Resp:	321134
Ion Ratio	Lower	Upper	
84	100		
49	110.9	87.6	131.4
51	34.6	27.0	40.4
86	63.9	51.2	76.8





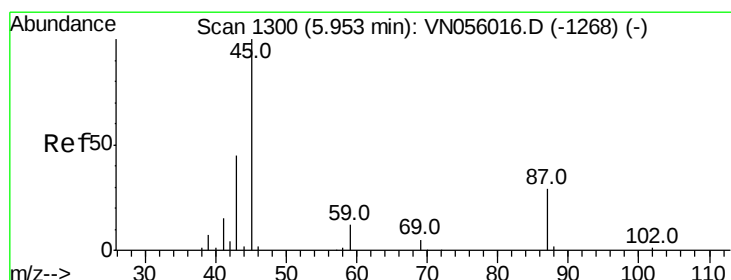
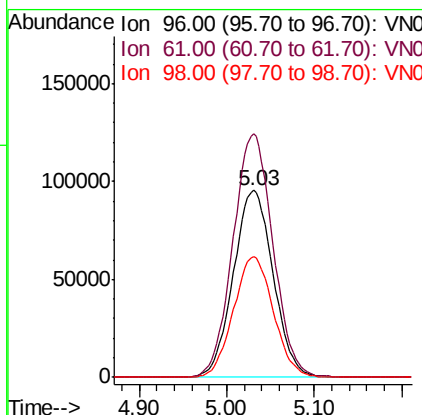
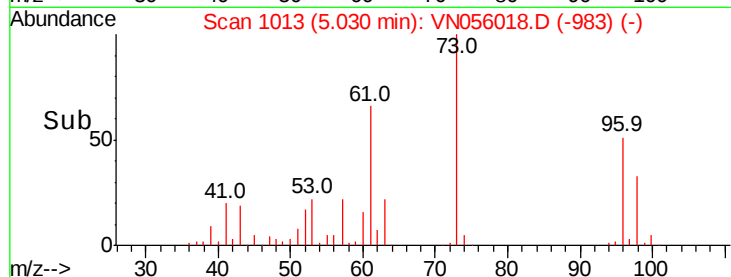
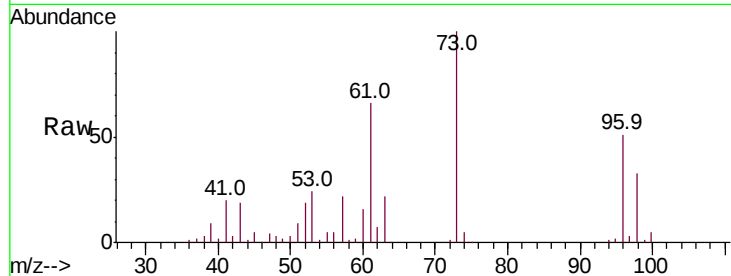
#19
trans-1,2-Dichloroethene
Concen: 97.574 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	102.5	153.7
98	64.7	46.9	70.3

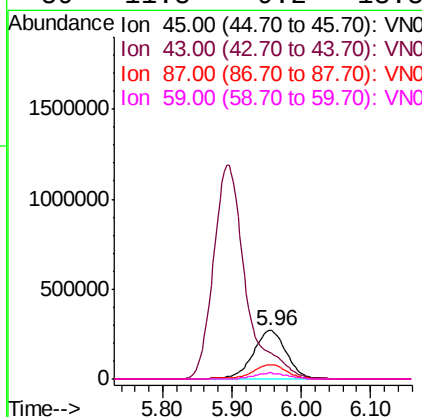
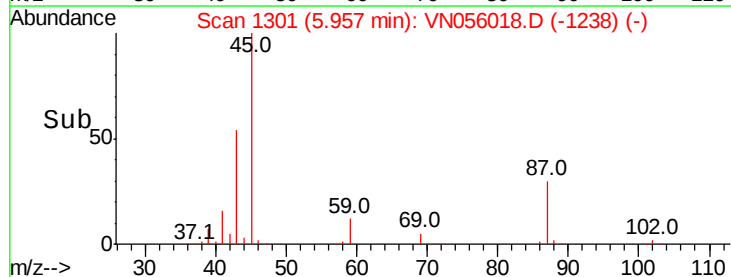
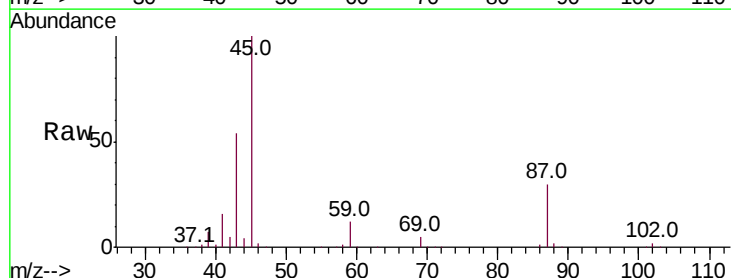
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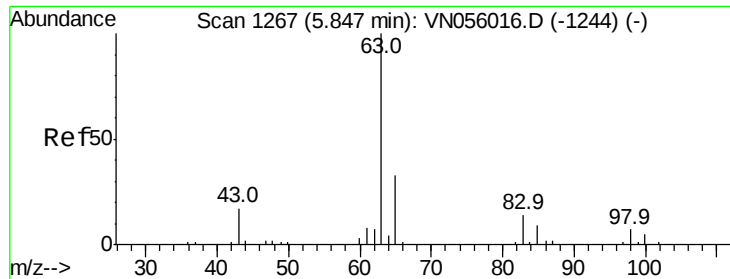
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#20
Diisopropyl ether
Concen: 91.375 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.2	48.0	72.0
87	29.6	23.4	35.2
59	11.8	9.2	13.8





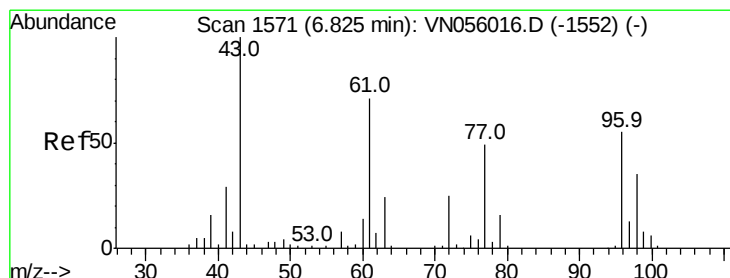
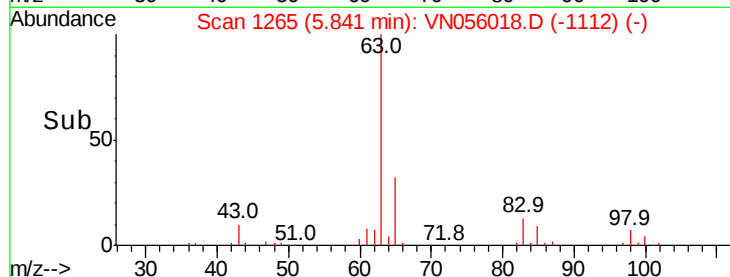
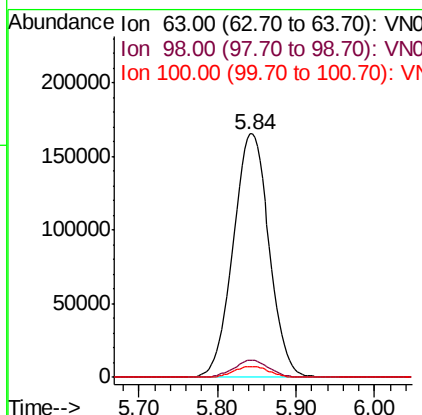
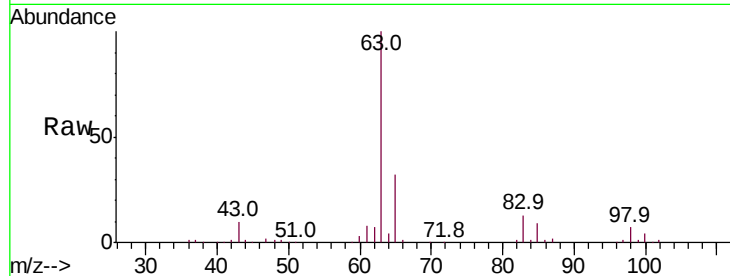
#21
 1,1-Dichloroethane
 Concen: 94.085 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.2	3.5	10.5	
100	4.3	2.3	6.9	

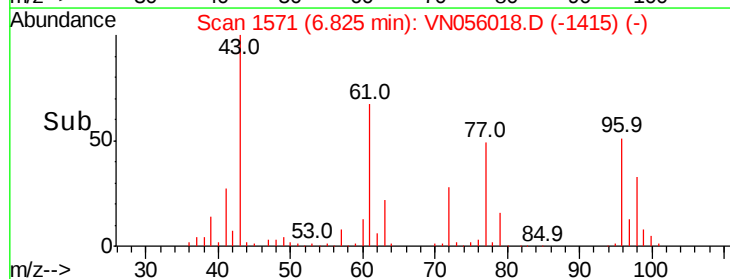
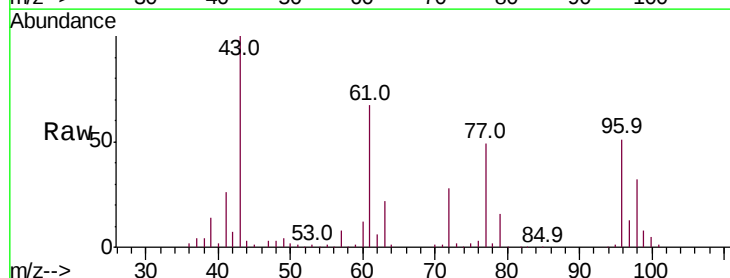
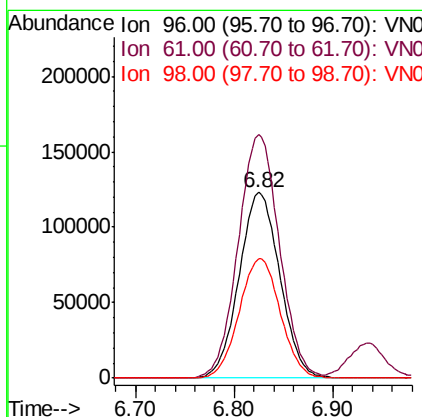
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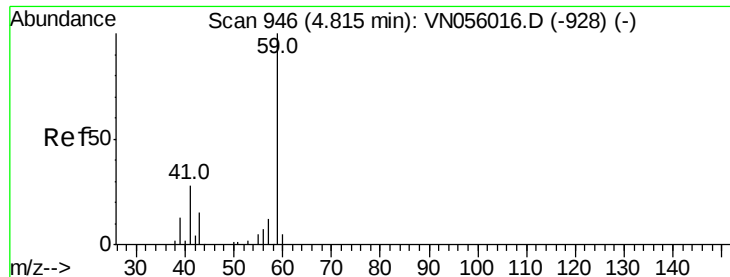
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#22
 cis-1,2-Dichloroethene
 Concen: 97.457 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.8	105.7	158.5	
98	65.2	52.0	78.0	





#23

tert-Butyl Alcohol

Concen: 429.017 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 59 Resp: 291267

Ion Ratio Lower Upper

59 100

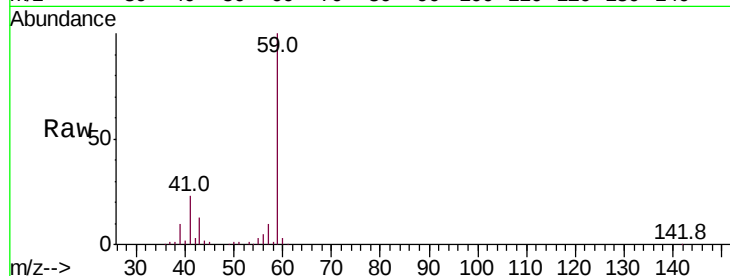
52 0.0 0.0 0.0#

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Abundance Ion 59.00 (58.70 to 59.70): VN056016.D (-928) (-)

Ion 52.00 (51.70 to 52.70): VN056016.D (-928) (-)

200000

150000

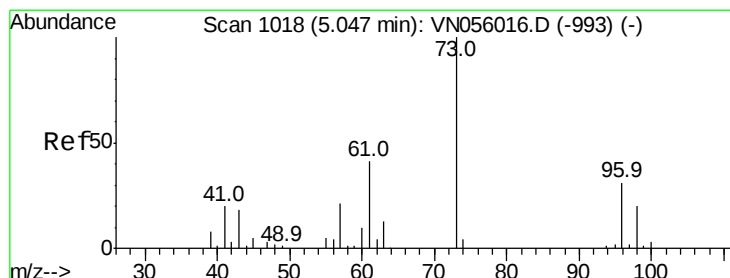
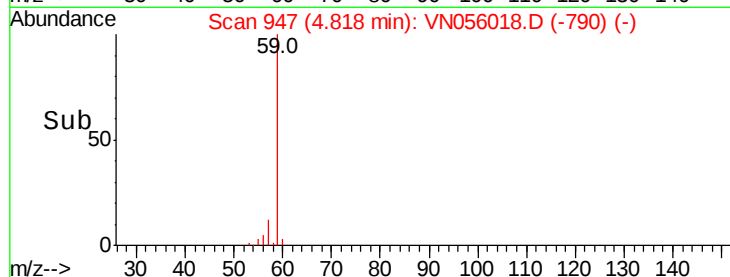
100000

50000

0

4.70 4.80 4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 93.519 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056018.D

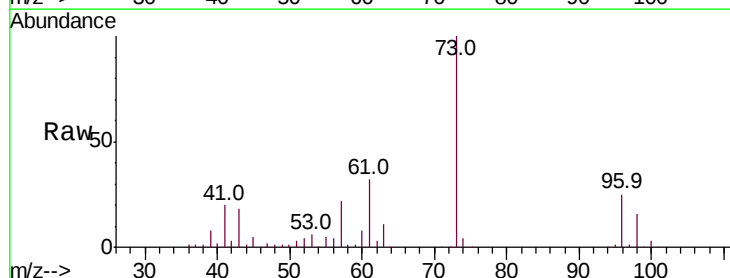
Acq: 5 Jun 2019 20:08

Tgt Ion: 73 Resp: 901748

Ion Ratio Lower Upper

73 100

43 18.2 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN056016.D (-993) (-)

Ion 43.00 (42.70 to 43.70): VN056016.D (-993) (-)

250000

200000

150000

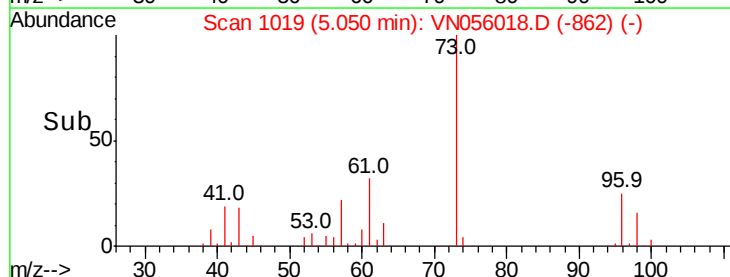
100000

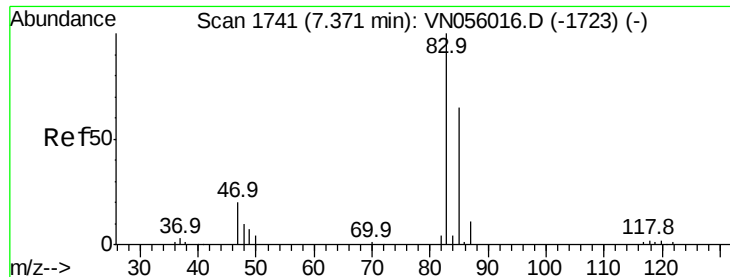
50000

0

4.90 5.00 5.10 5.20

Time-->





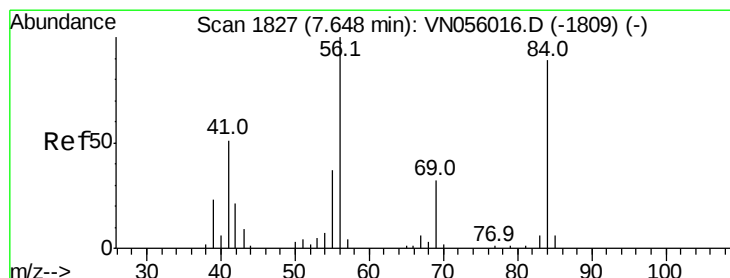
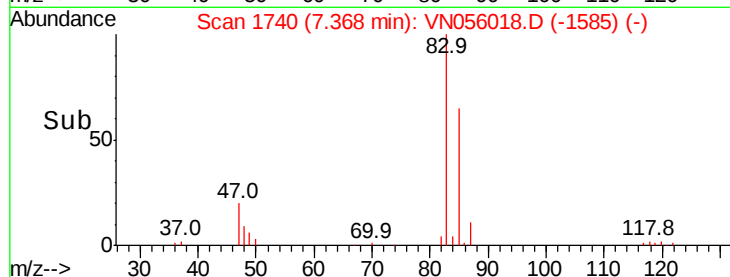
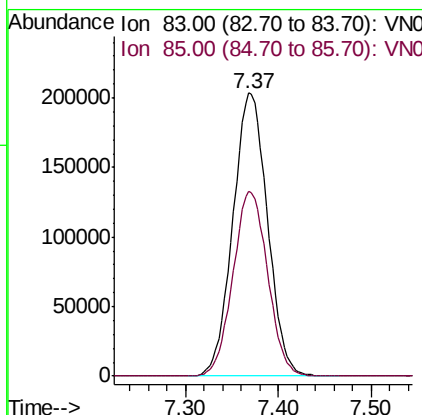
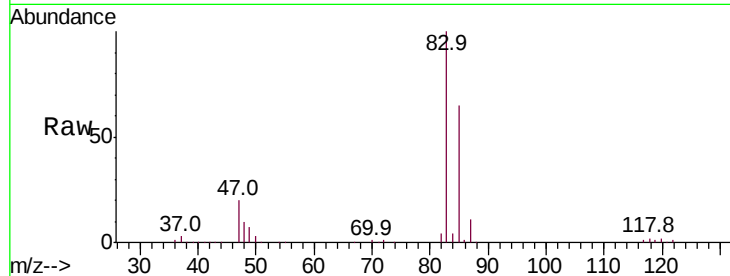
#25
Chloroform
Concen: 94.667 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 526965
Ion Ratio Lower Upper
83 100
85 65.4 52.0 78.0

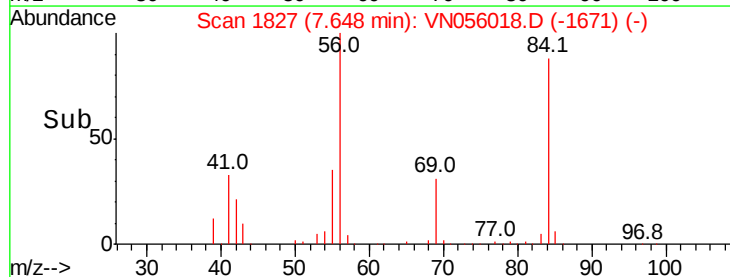
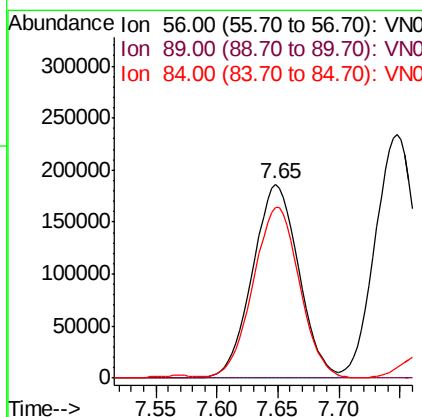
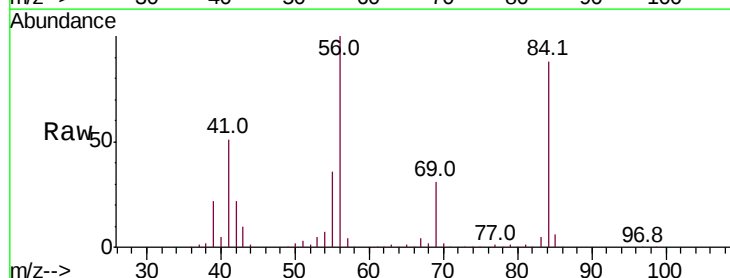
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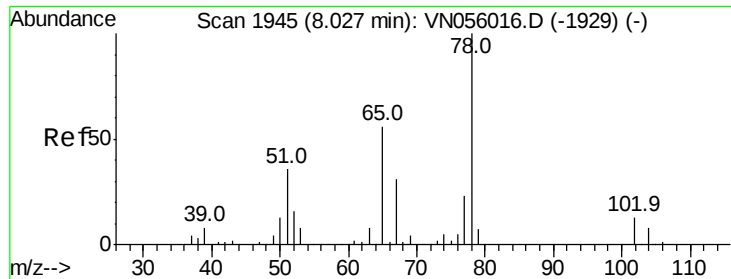
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#26
Cyclohexane
Concen: 94.477 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion: 56 Resp: 490919
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.9 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 28.441 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 100939

Ion Ratio Lower Upper

65 100

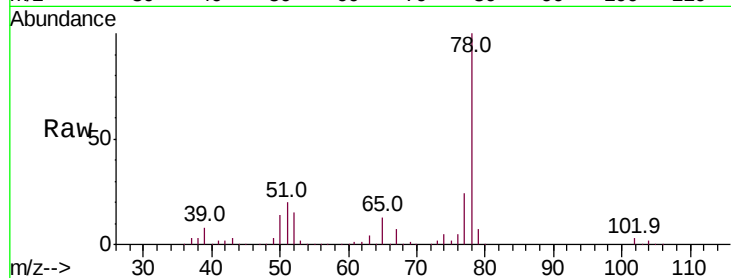
67 55.1 43.4 65.2

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Abundance Ion 65.00 (64.70 to 65.70): VN056016.D (-1929) (-)

Ion 67.00 (66.70 to 67.70): VN056016.D (-1929) (-)

50000

40000

30000

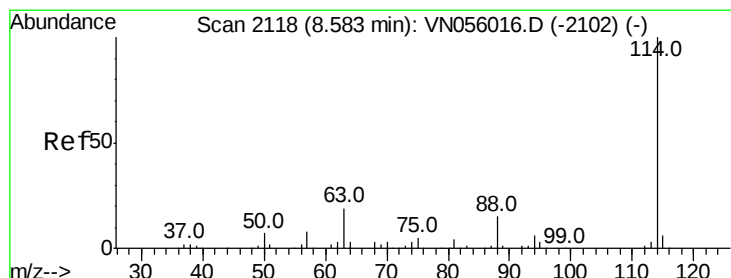
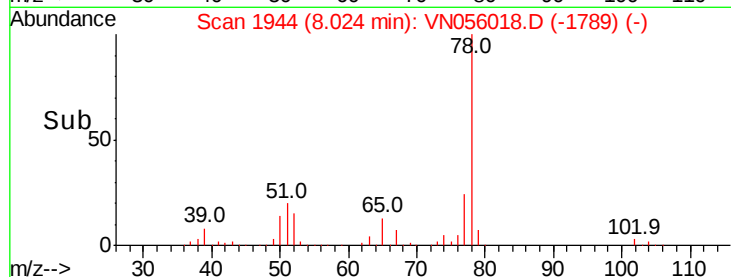
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

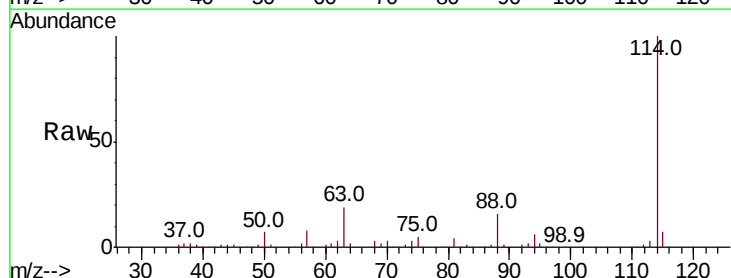
Tgt Ion: 114 Resp: 299182

Ion Ratio Lower Upper

114 100

63 18.6 14.7 22.1

88 15.3 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): VN056016.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN056016.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN056016.D (-2102) (-)

150000

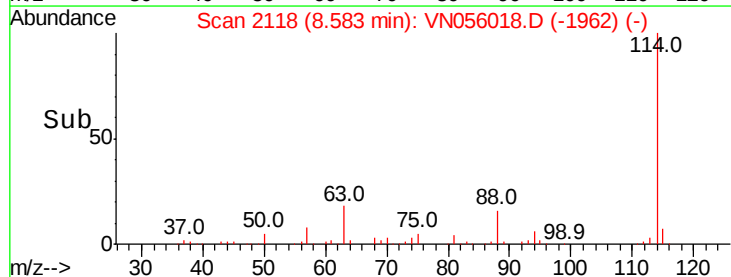
100000

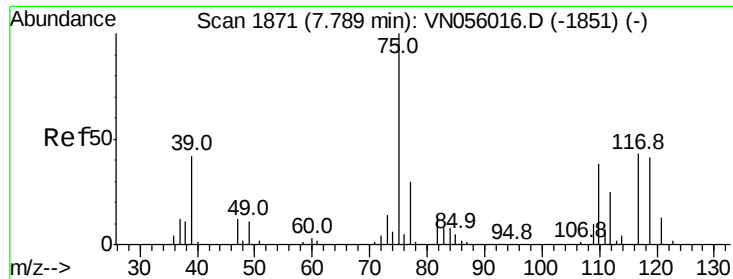
50000

0

8.50 8.60 8.70

Time-->





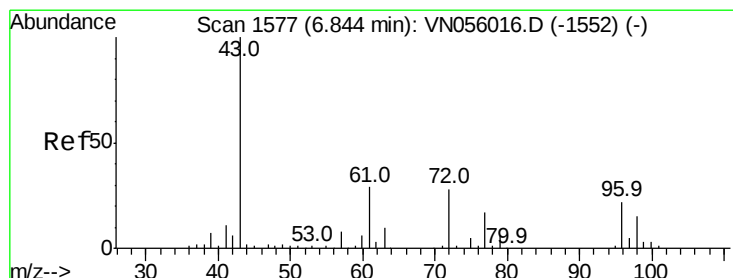
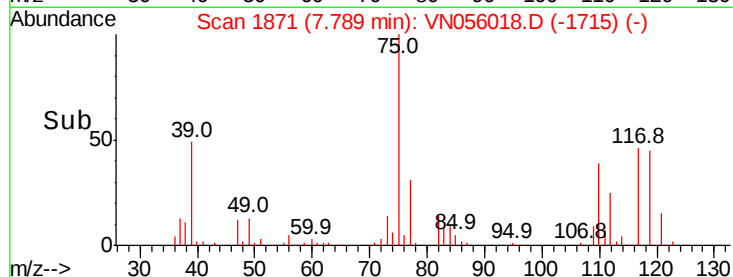
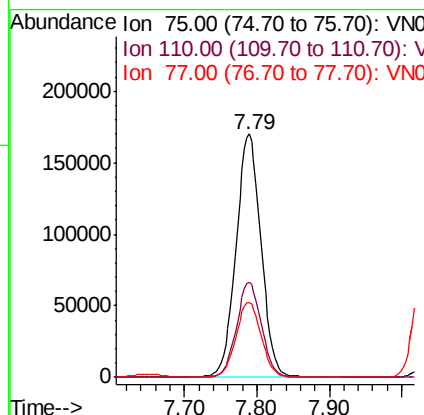
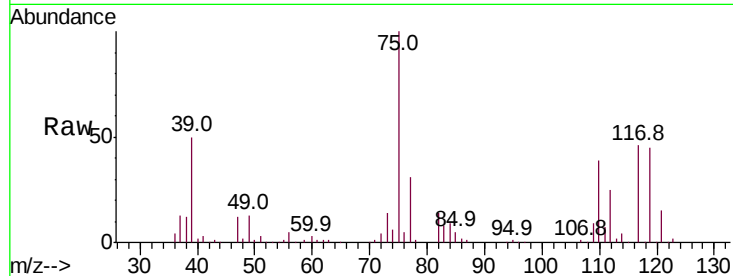
#29
 1,1-Dichloropropene
 Concen: 98.414 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.7	0.0	77.0
77	31.3	0.0	62.4

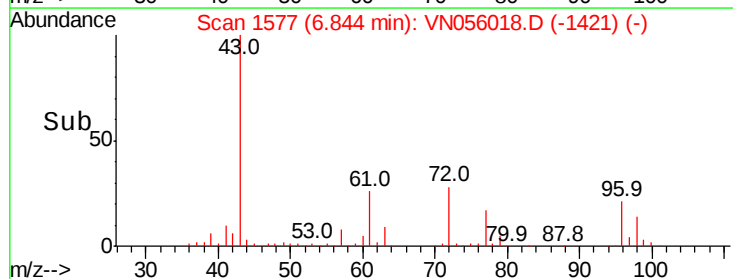
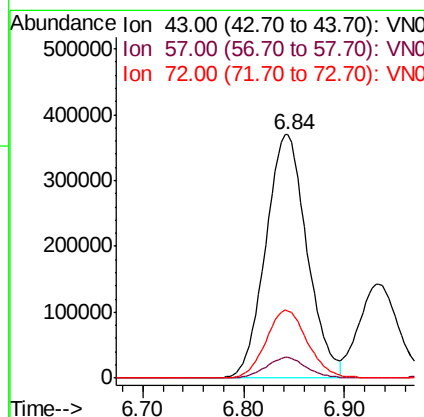
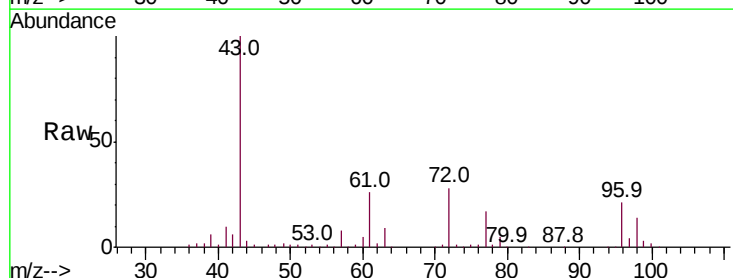
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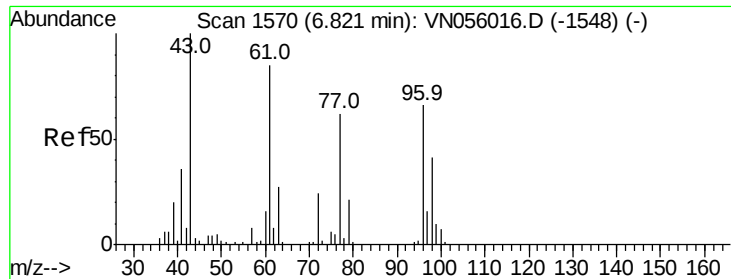
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#30
 2-Butanone
 Concen: 477.598 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

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





#31

2,2-Dichloropropane

Concen: 82.674 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 77 Resp: 380931

Ion Ratio Lower Upper

77 100

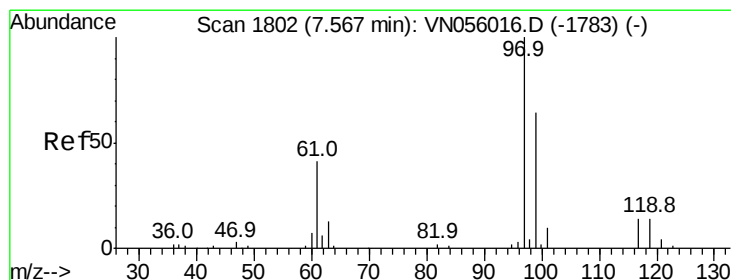
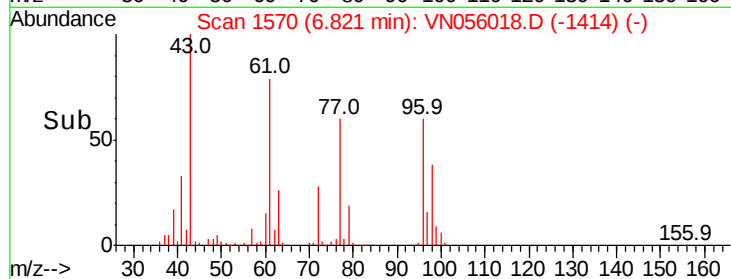
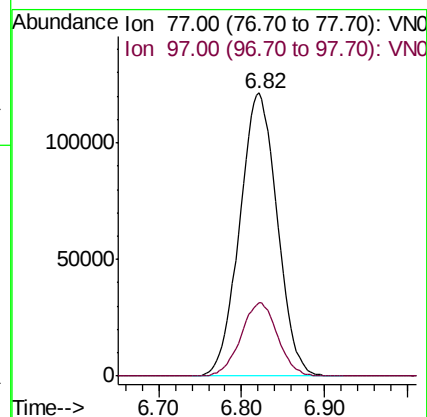
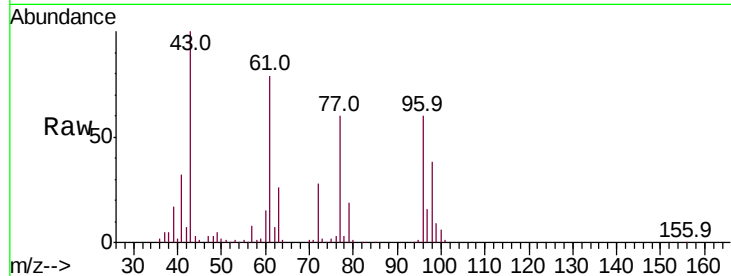
97 25.4 20.8 31.2

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#32

1,1,1-Trichloroethane

Concen: 93.797 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

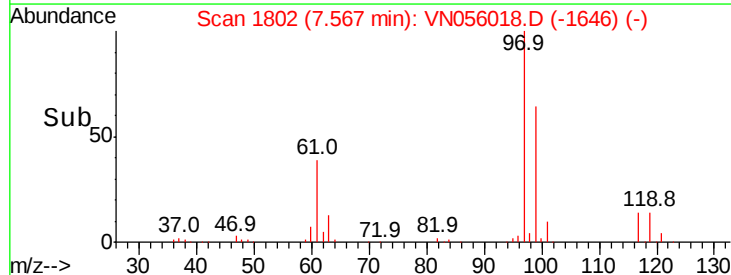
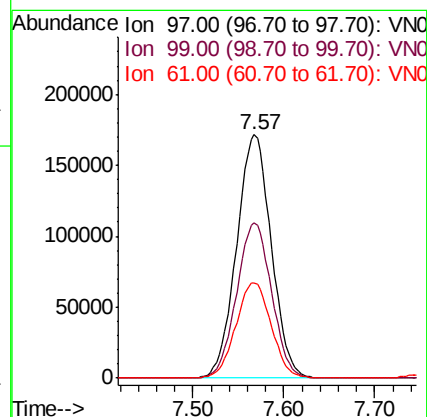
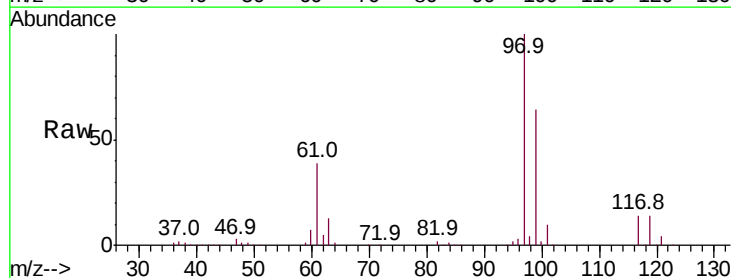
Tgt Ion: 97 Resp: 454090

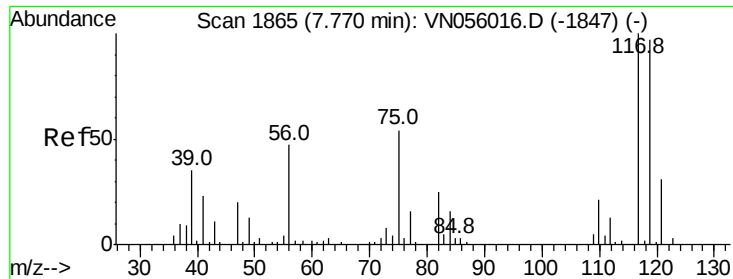
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 40.0 32.9 49.3





#33

Carbon Tetrachloride

Concen: 90.601 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

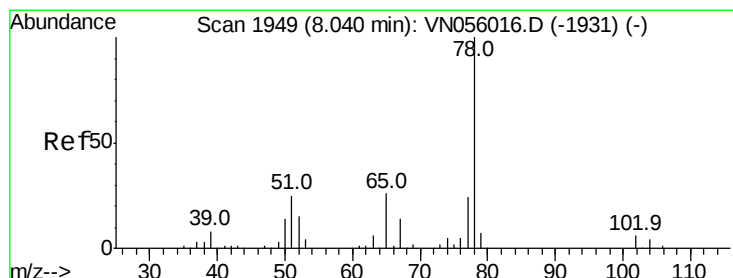
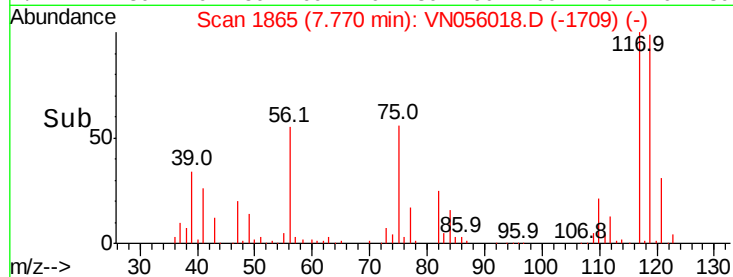
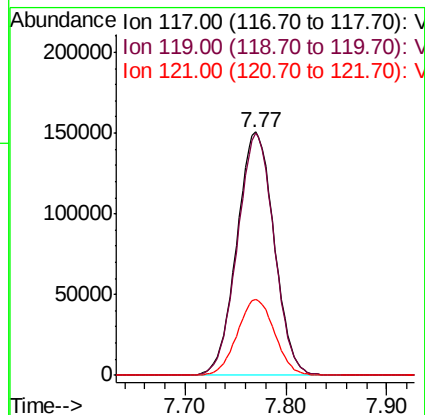
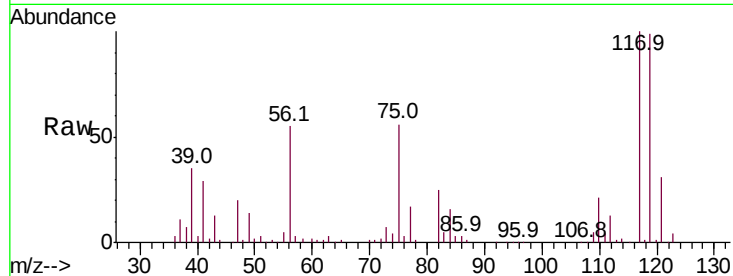
VSTDIC100

Tot Ion:117 Resp: 386839

Ion	Ratio	Lower	Upper
117	100		
119	99.3	77.3	115.9
121	31.4	25.0	37.4

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#34

Benzene

Concen: 98.193 ug/l

RT: 8.04 min Scan# 1949

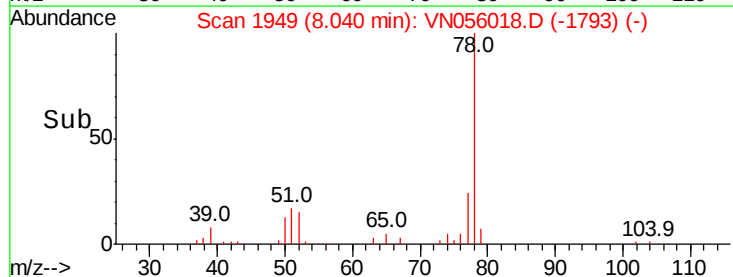
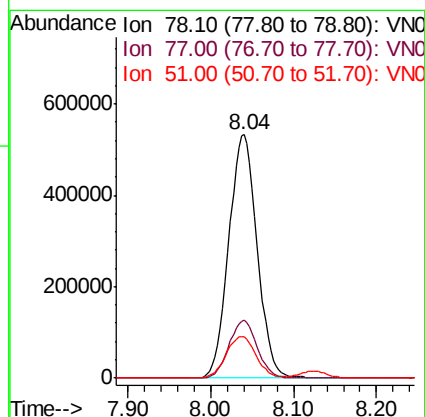
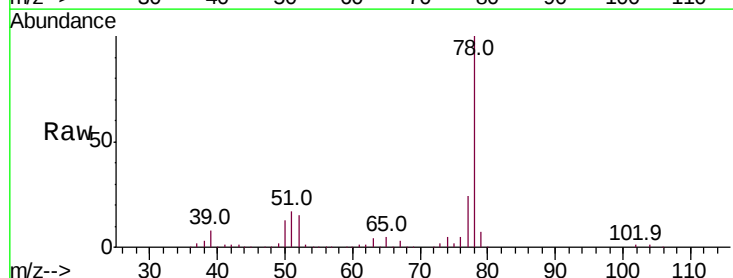
Delta R.T. -0.00 min

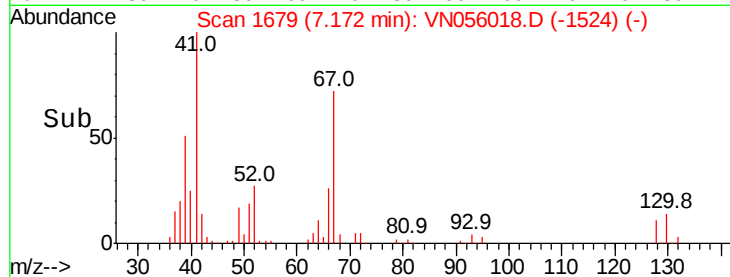
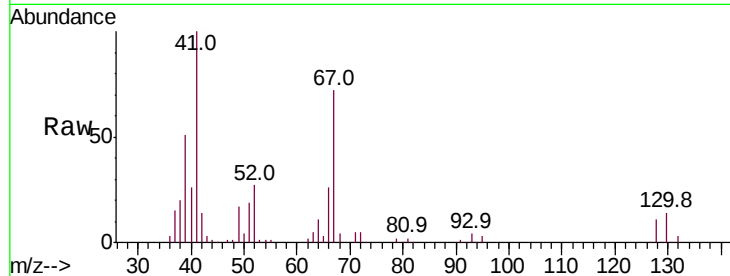
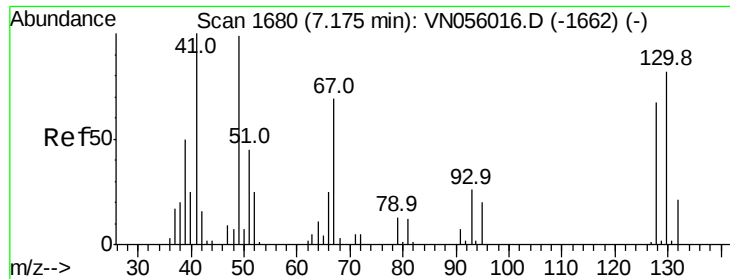
Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Tgt Ion: 78 Resp: 1265237

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9
51	16.9	19.8	29.8#





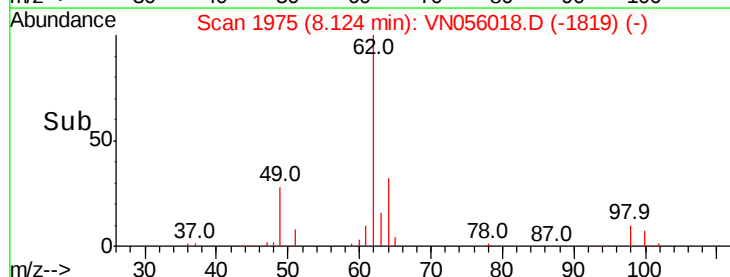
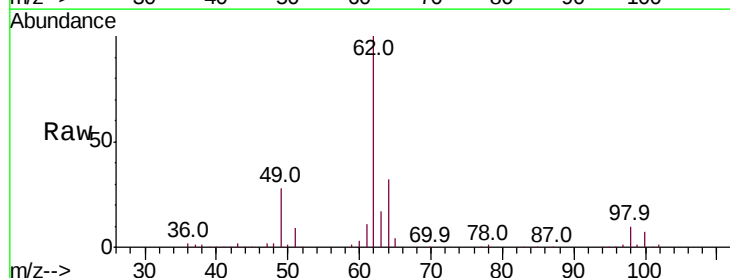
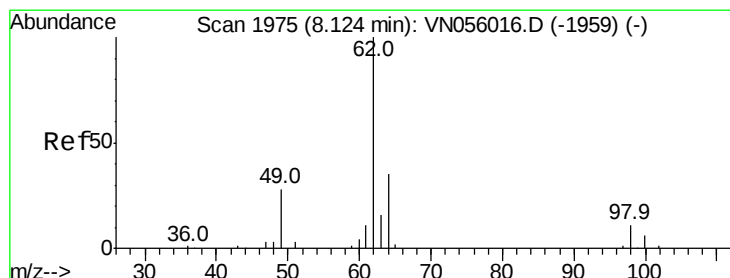
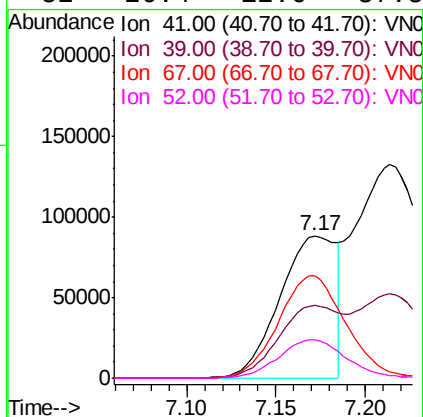
#35
Methacrylonitrile
Concen: 95.277 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.8	24.8	74.3
67	72.3	34.3	102.9
52	26.4	12.6	37.8

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

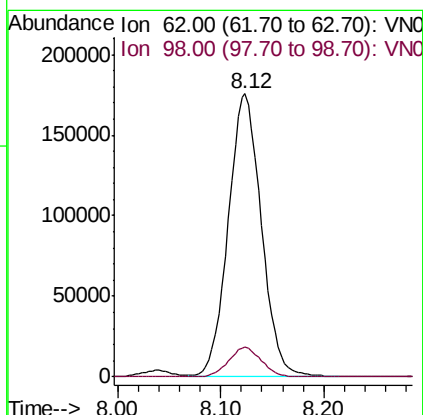
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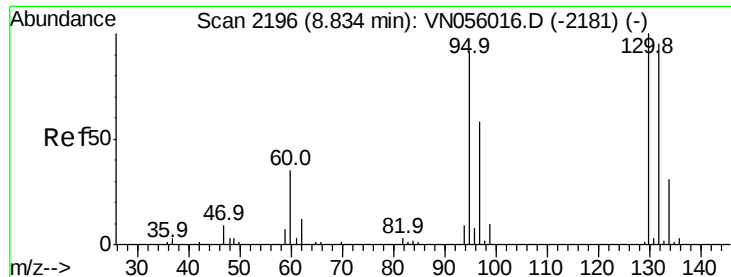
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#36
1,2-Dichloroethane
Concen: 93.856 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	8.6	13.0





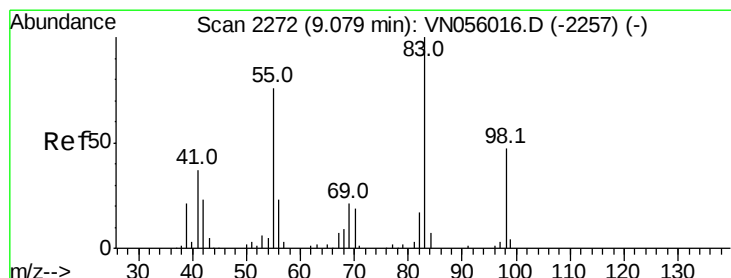
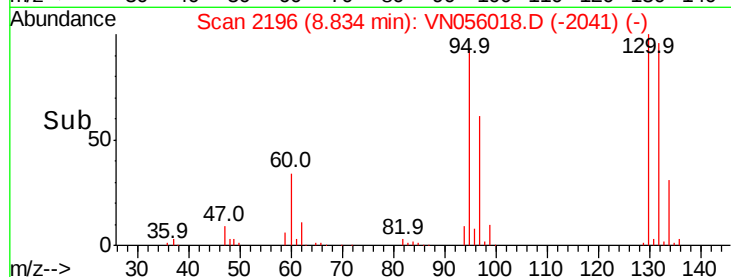
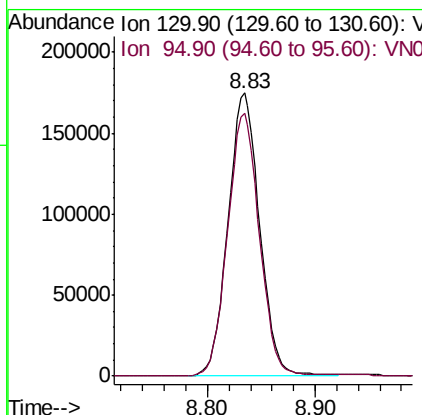
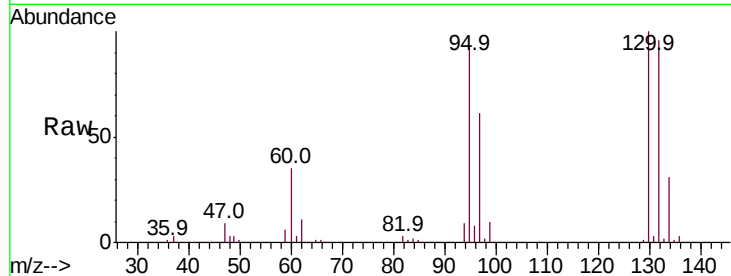
#37
 Trichloroethene
 Concen: 99.281 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 357974
 Ion Ratio Lower Upper
 130 100
 95 93.0 73.0 109.6

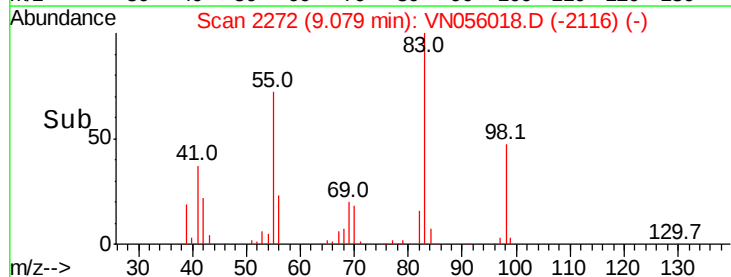
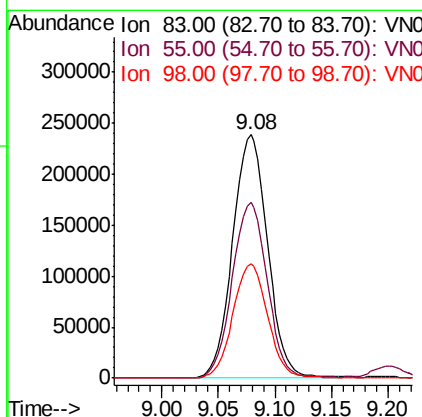
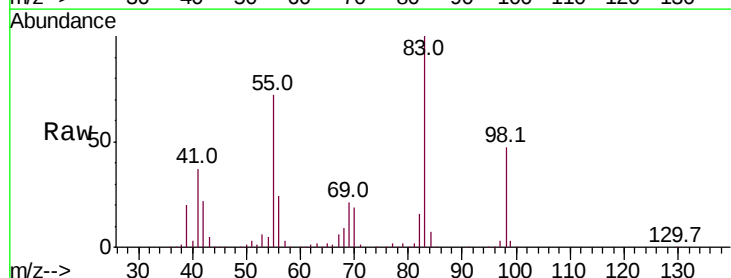
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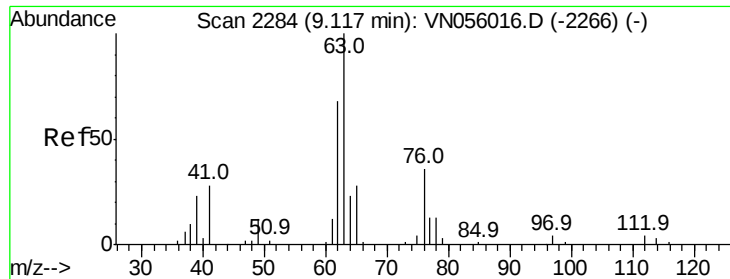
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#38
 Methylcyclohexane
 Concen: 98.151 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Tgt Ion: 83 Resp: 515047
 Ion Ratio Lower Upper
 83 100
 55 72.2 37.5 112.7
 98 46.8 23.1 69.3





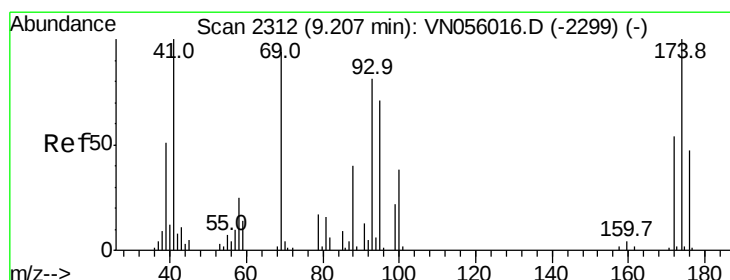
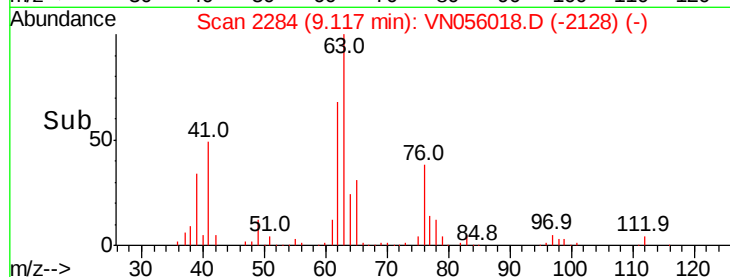
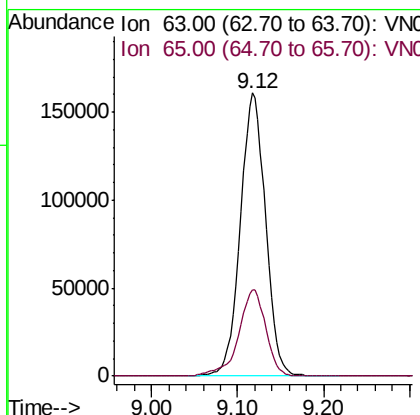
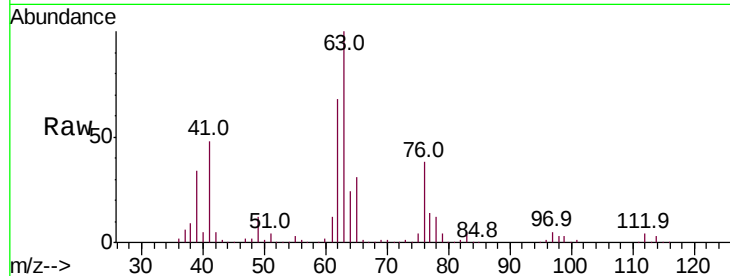
#39
 1,2-Dichloropropane
 Concen: 95.498 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 327984
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.1 34.7

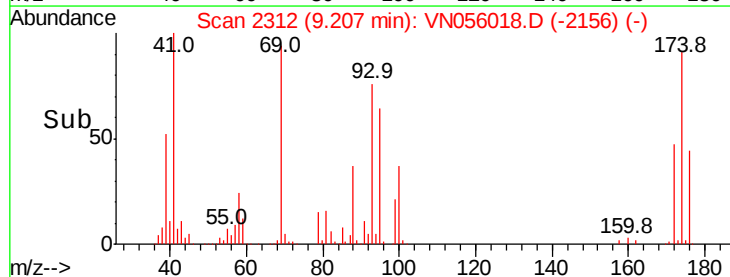
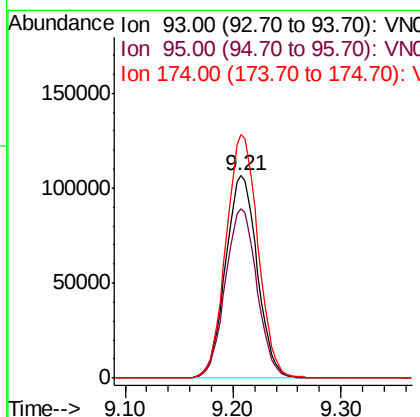
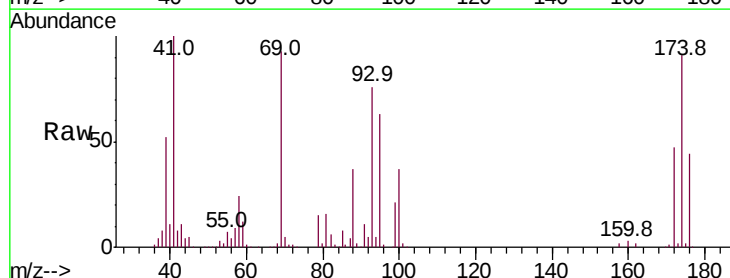
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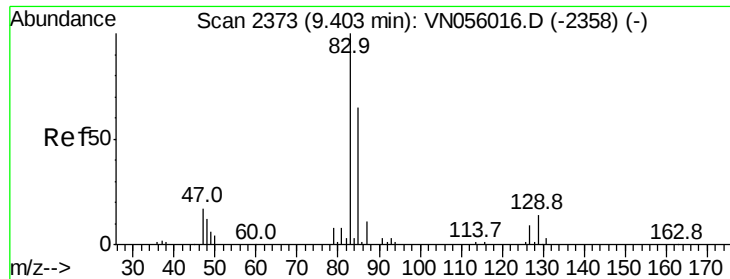
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#40
 Dibromomethane
 Concen: 97.946 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Tgt Ion: 93 Resp: 218552
 Ion Ratio Lower Upper
 93 100
 95 83.5 0.0 169.0
 174 120.9 0.0 246.4





#41

Bromodichloromethane

Concen: 91.821 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

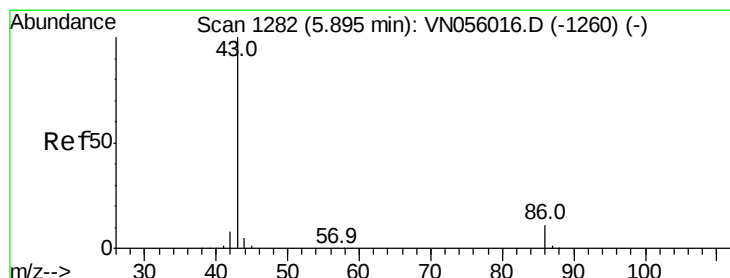
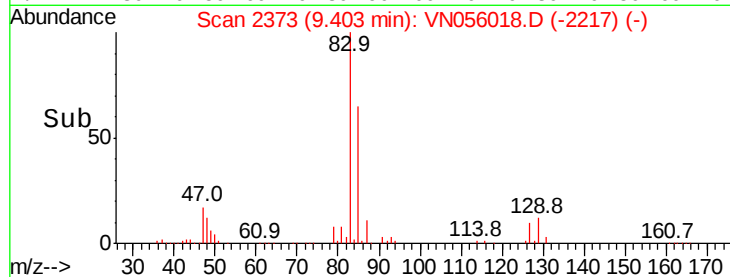
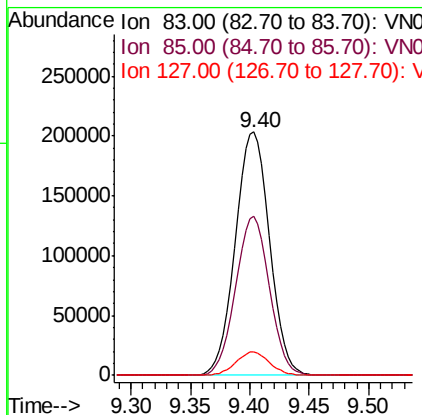
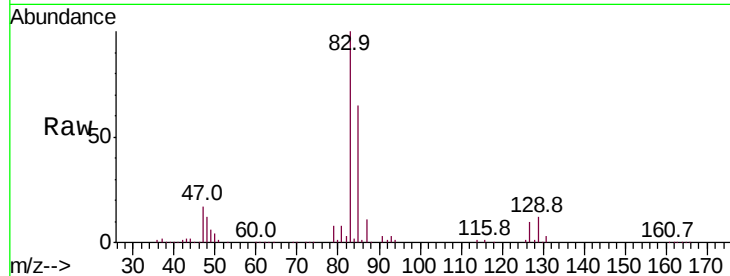
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	406288
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.8	77.6
127	9.6	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 460.096 ug/l

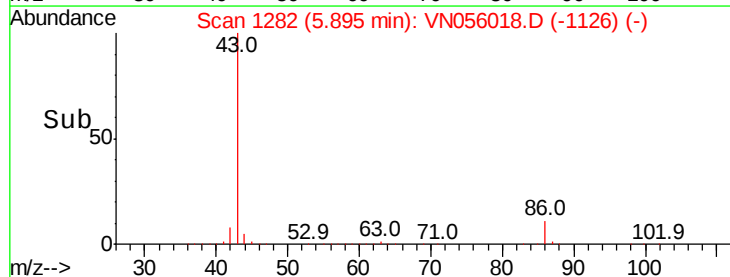
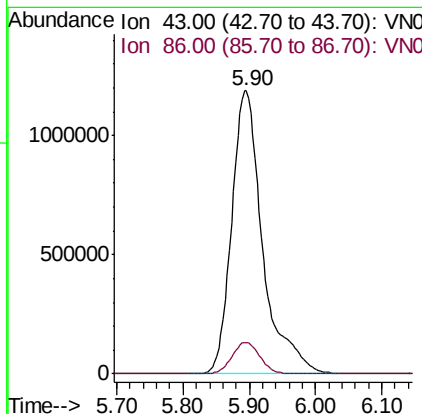
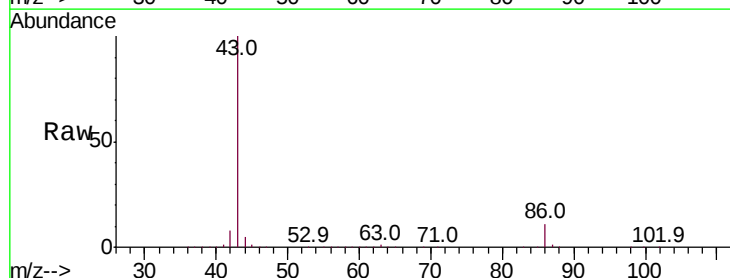
RT: 5.90 min Scan# 1282

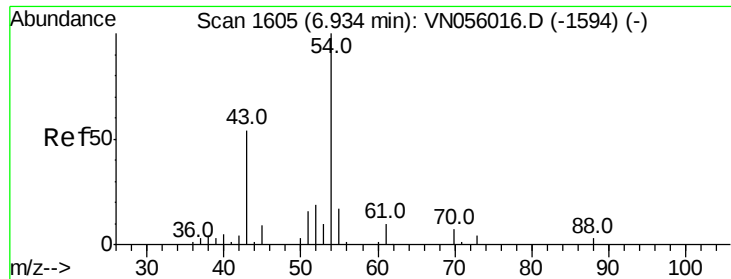
Delta R.T. 0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Tgt Ion:	43	Resp:	3861942
Ion Ratio	Lower	Upper	
43	100		
86	10.1	7.9	11.9





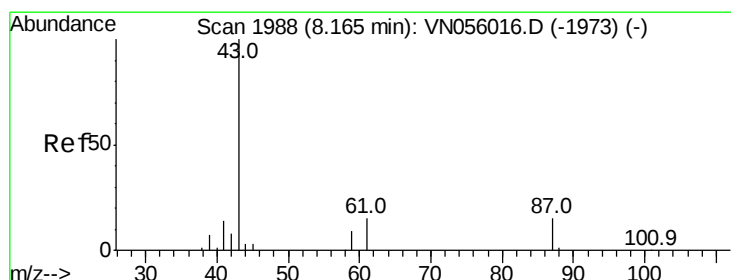
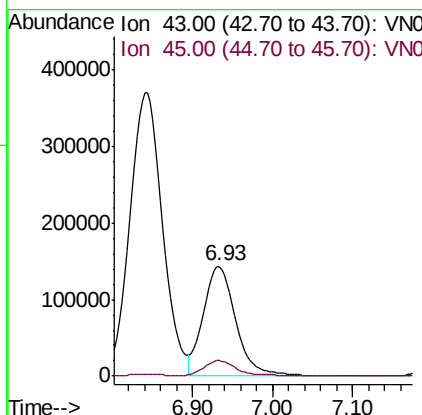
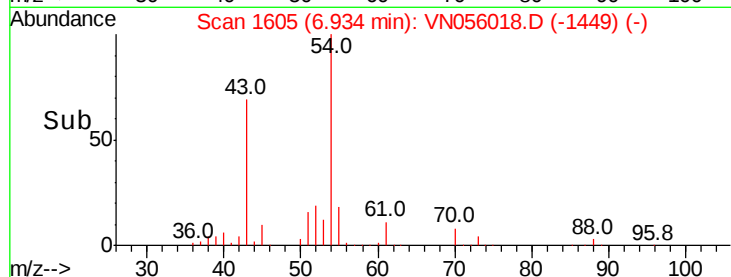
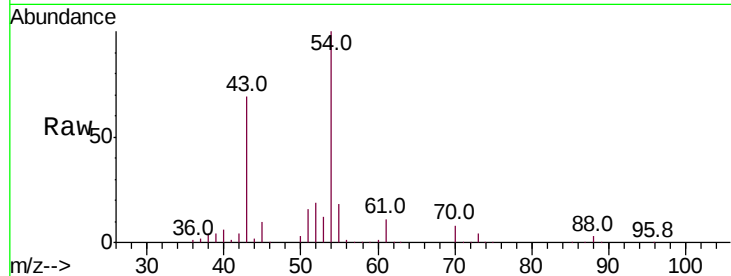
#43
Ethyl Acetate
Concen: 93.585 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 401916
Ion Ratio Lower Upper
43 100
45 15.0 12.3 18.5

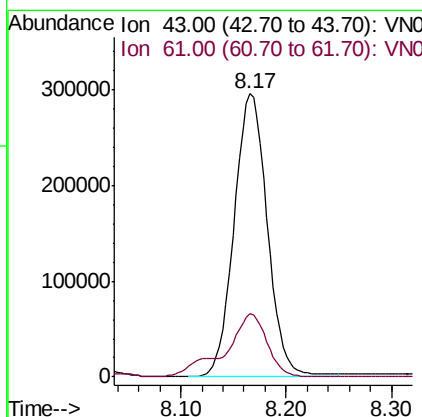
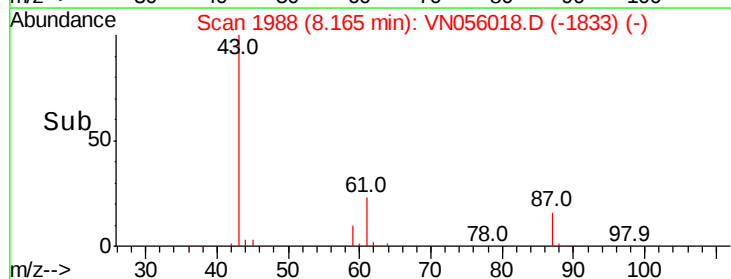
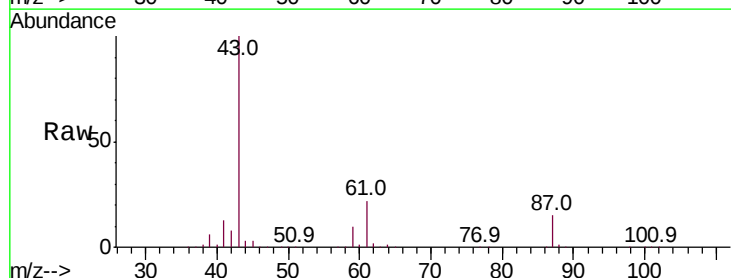
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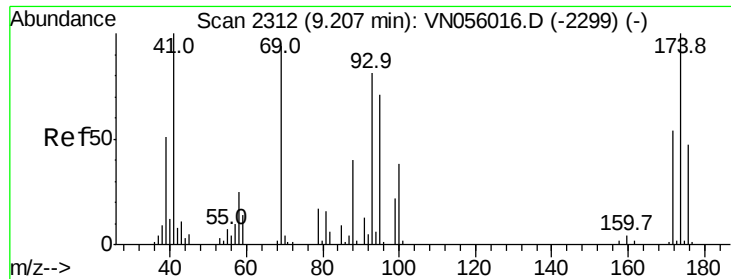
MMDadoda
6/6/2019 10:19:38 AM



#44
Isopropyl Acetate
Concen: 91.973 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion: 43 Resp: 645474
Ion Ratio Lower Upper
43 100
61 22.4 16.9 25.3





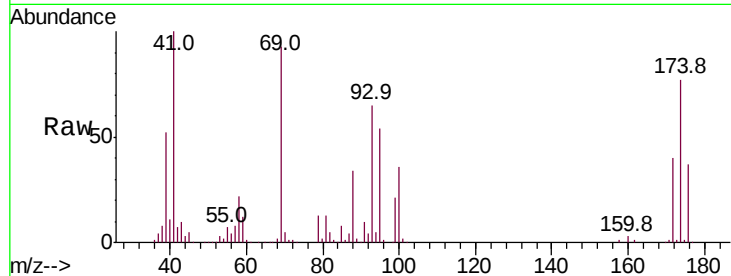
#45
 1,4-Dioxane
 Concen: 1967.008 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

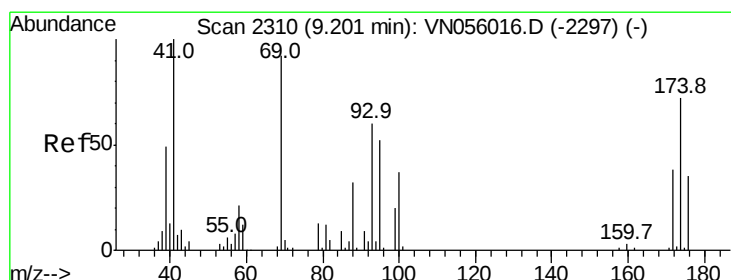
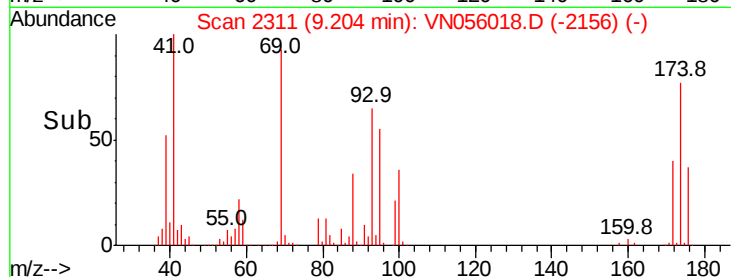
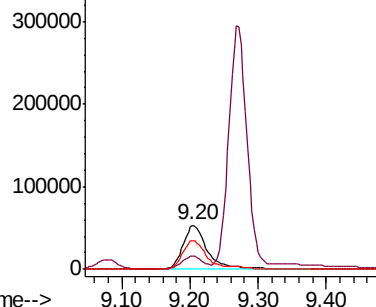
Tot Ion	Ratio	Lower	Upper
88	100		
43	24.6	19.8	29.6
58	61.8	48.5	72.7

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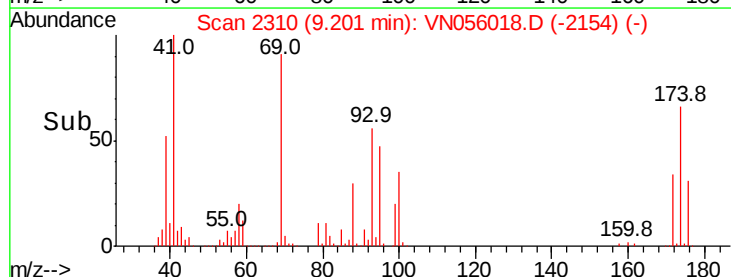
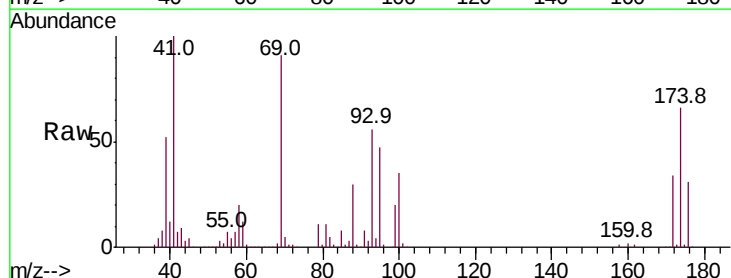
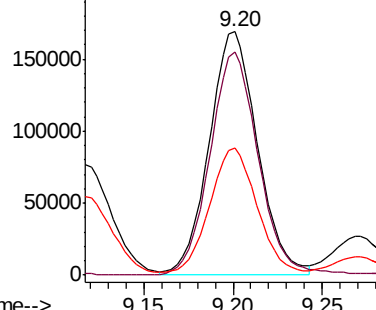
Abundance Ion 88.00 (87.70 to 88.70): VN056018.D (-2156) (-)
 Ion 43.00 (42.70 to 43.70): VN056018.D (-2156) (-)
 Ion 58.00 (57.70 to 58.70): VN056018.D (-2156) (-)

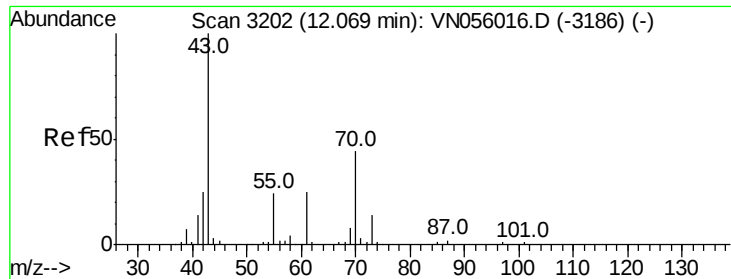


#46
 Methyl methacrylate
 Concen: 97.081 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.4	46.0	137.8
39	51.6	24.6	73.8

Abundance Ion 41.00 (40.70 to 41.70): VN056018.D (-2154) (-)
 Ion 69.00 (68.70 to 69.70): VN056018.D (-2154) (-)
 Ion 39.00 (38.70 to 39.70): VN056018.D (-2154) (-)





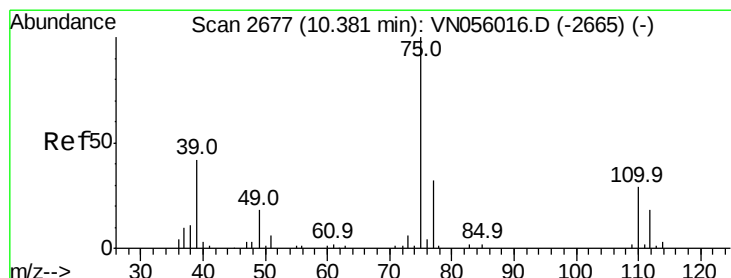
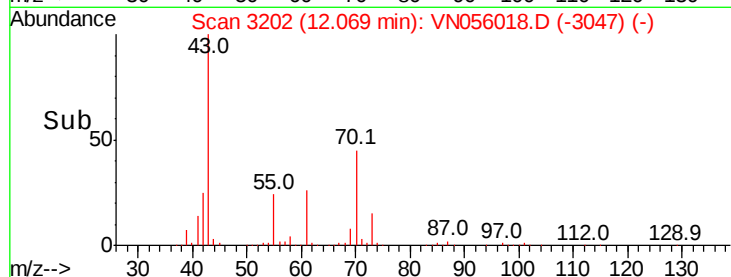
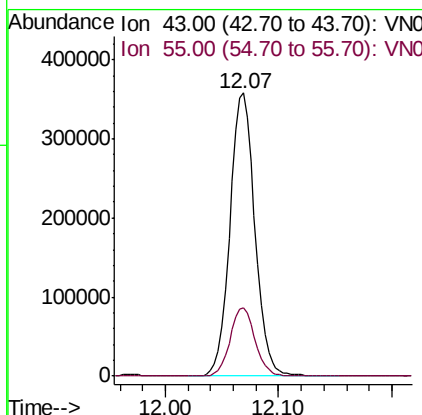
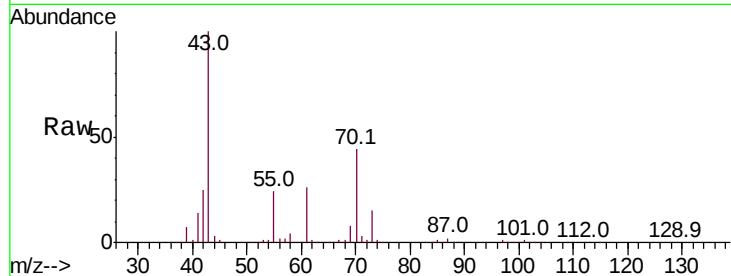
#47
n-amyl Acetate
Concen: 94.426 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	43	55	Ratio	100	24.3	Resp	546348	Lower	19.0	Upper	28.6
Ion	43	55	Ratio	100	24.3	Resp	546348	Lower	19.0	Upper	28.6

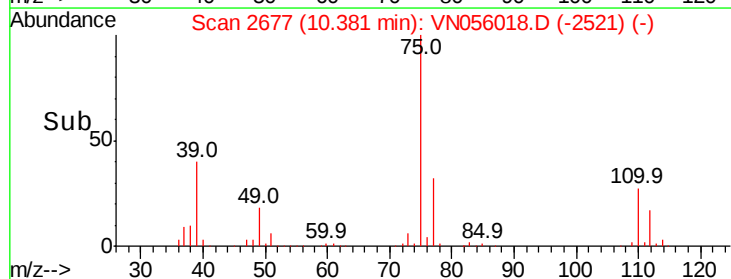
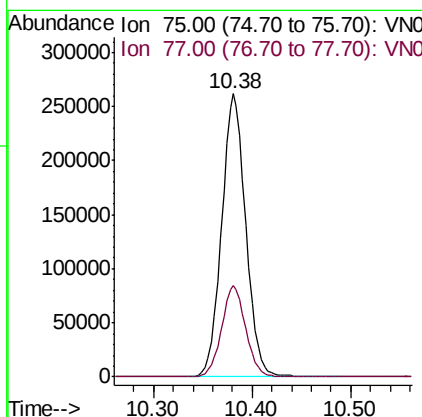
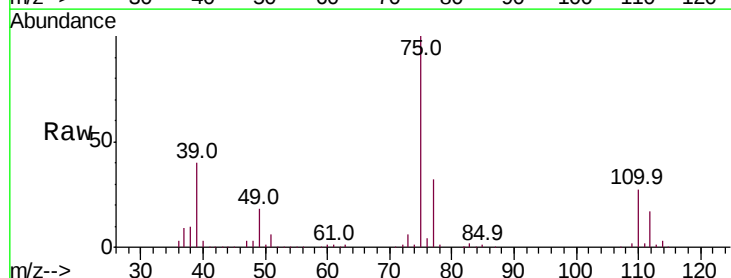
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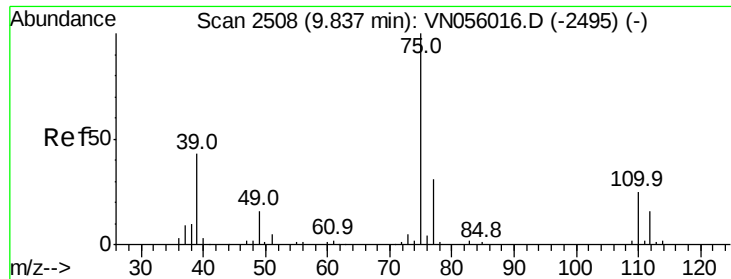
MMDadoda
6/6/2019 10:19:38 AM



#48
t-1,3-Dichloropropene
Concen: 92.723 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion	75	77	Ratio	100	32.2	Resp	447872	Lower	26.0	Upper	39.0
Ion	75	77	Ratio	100	32.2	Resp	447872	Lower	26.0	Upper	39.0





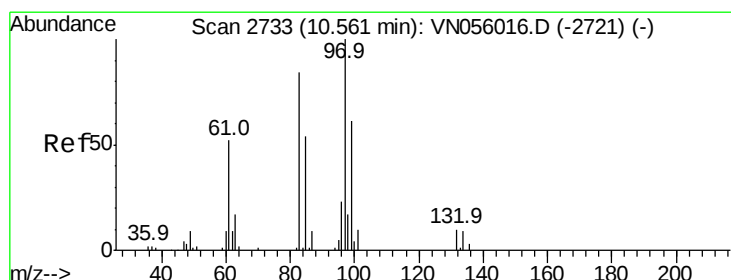
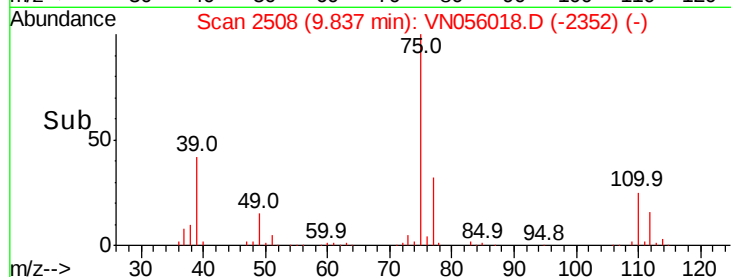
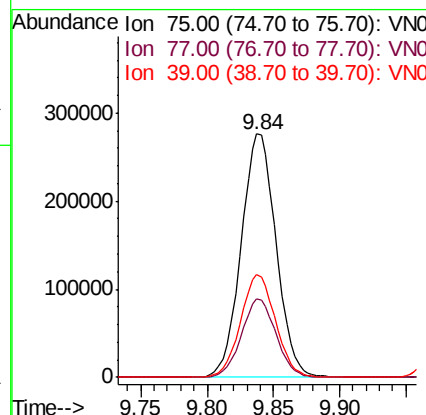
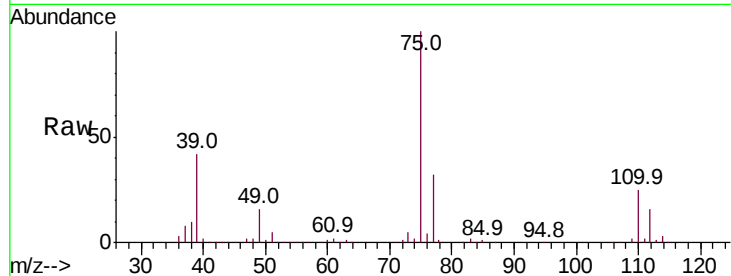
#49
 cis-1,3-Dichloropropene
 Concen: 94.231 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	32.1	25.1	37.7	
39	42.1	34.3	51.5	

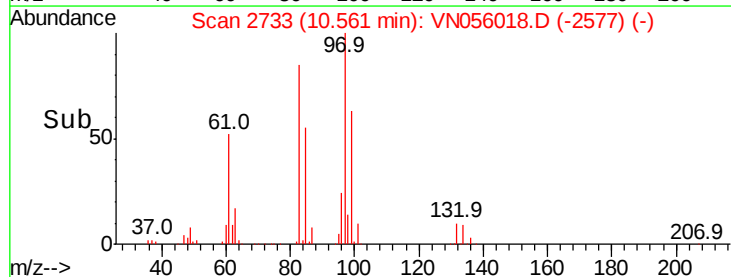
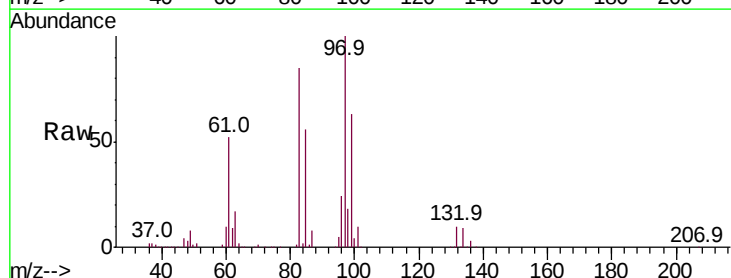
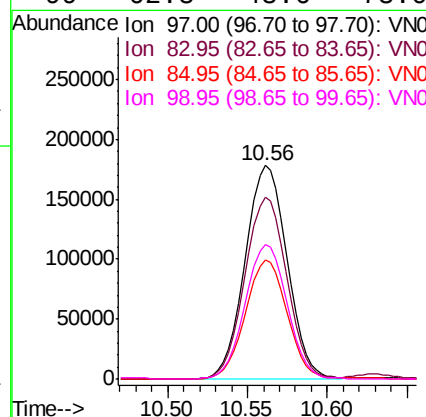
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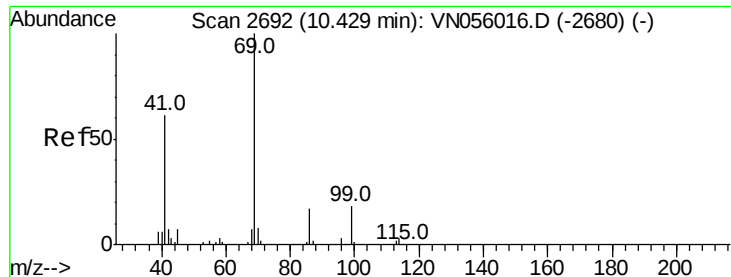
MMDadoda
 6/6/2019 10:19:38 AM



#50
 1,1,2-Trichloroethane
 Concen: 98.600 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	85.0	66.9	100.3	
85	55.8	43.3	64.9	
99	62.8	48.6	73.0	





#51

Ethyl methacrylate

Concen: 98.162 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

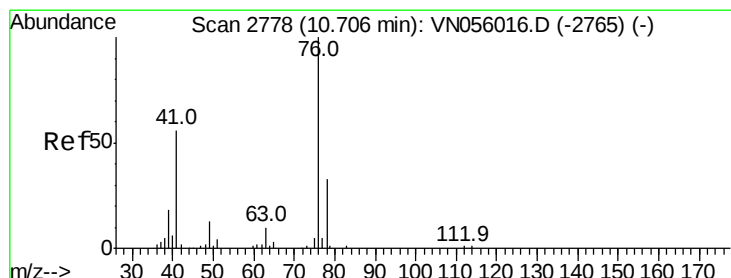
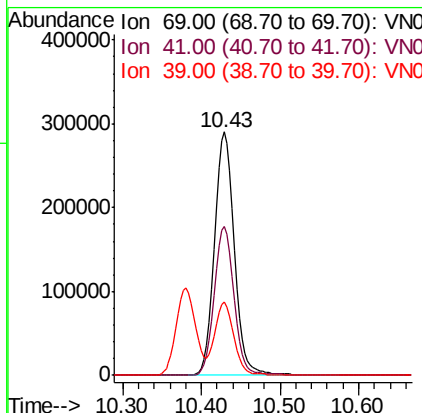
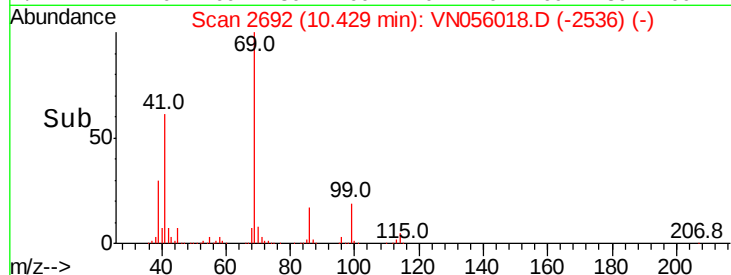
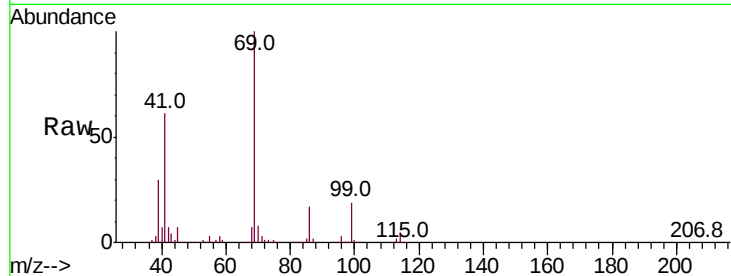
ClientSampled :

VSTDIC100

Tot Ion:	69	Resp:	504999
Ion	Ratio	Lower	Upper
69	100		
41	61.3	30.8	92.3
39	29.9	14.5	43.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 98.122 ug/l

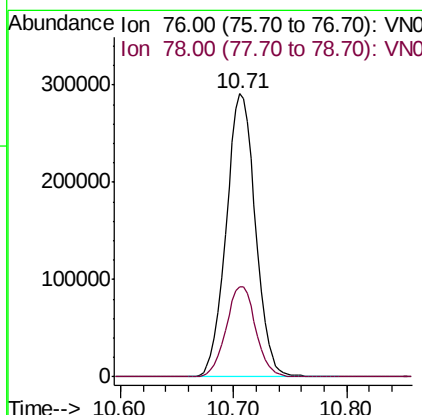
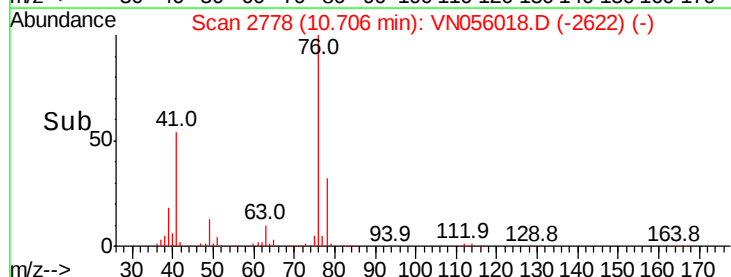
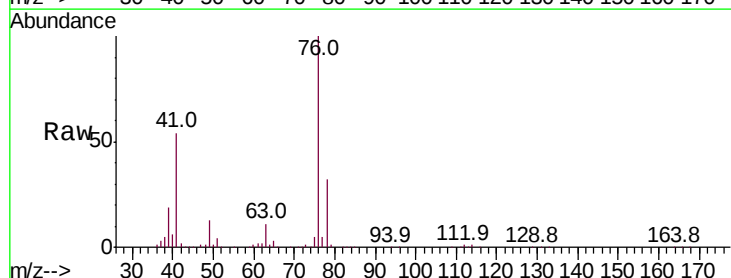
RT: 10.71 min Scan# 2778

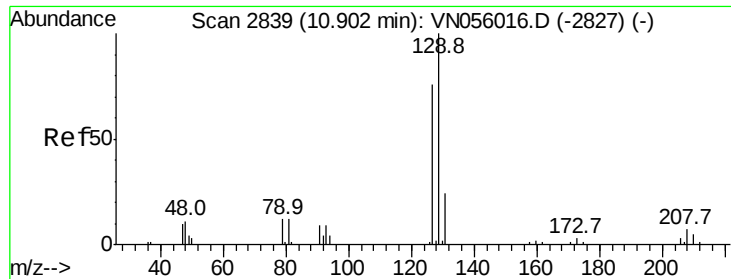
Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Tgt Ion:	76	Resp:	523659
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	63.4





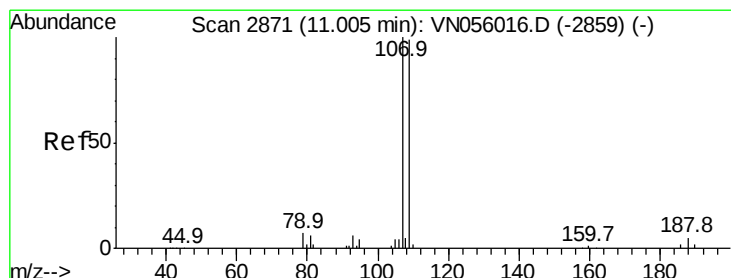
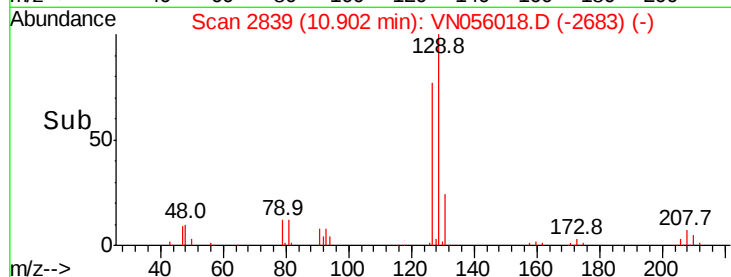
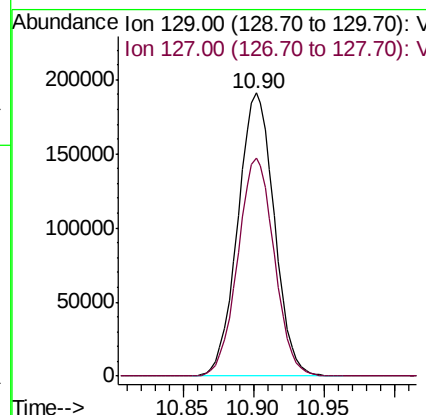
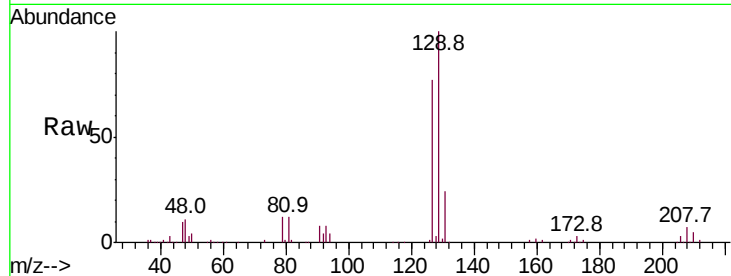
#53
Dibromochloromethane
Concen: 94.204 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.5

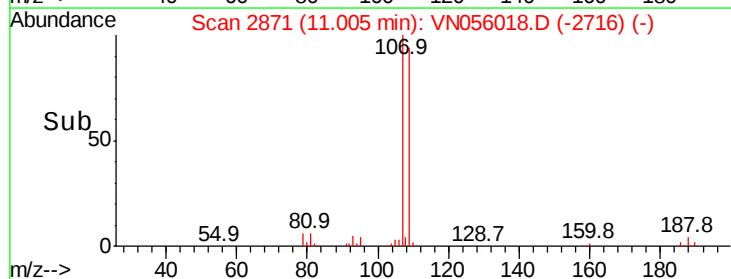
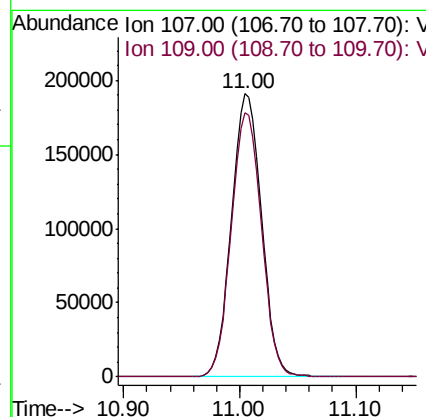
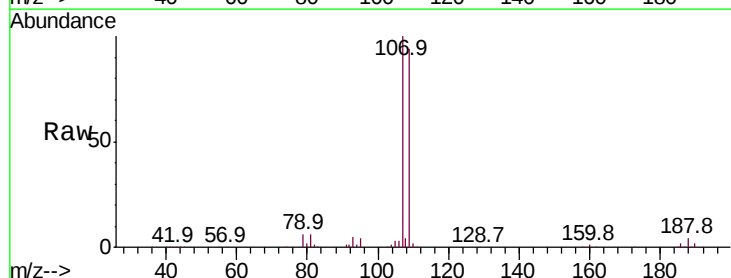
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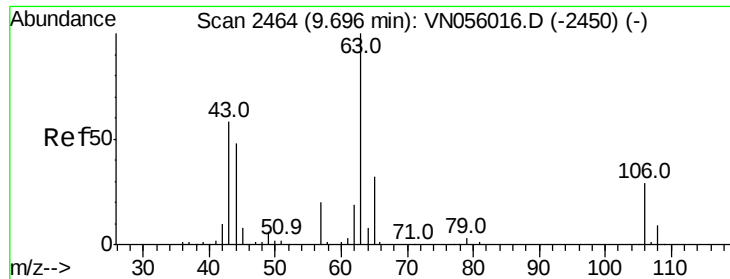
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#54
1,2-Dibromoethane
Concen: 101.684 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.8	115.2





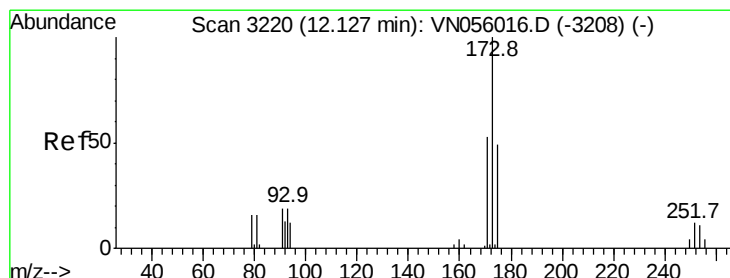
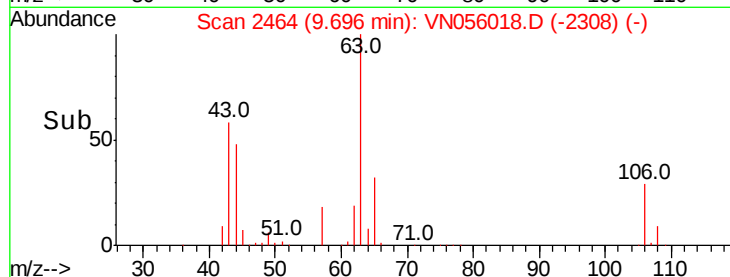
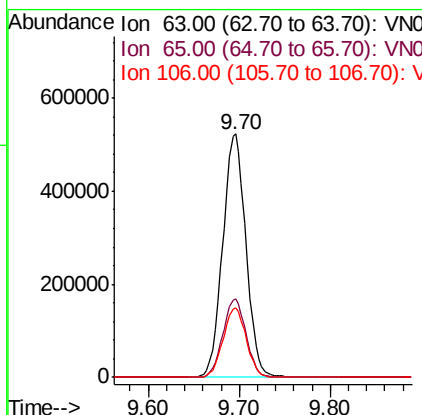
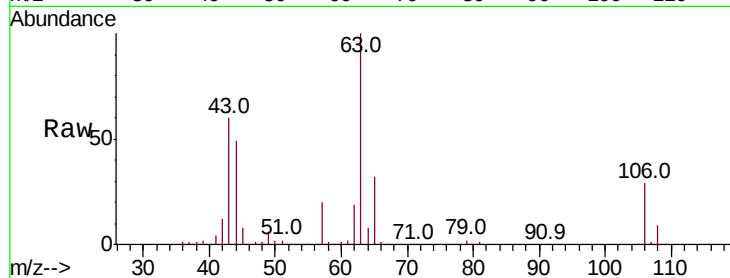
#55
2-Chloroethyl vinyl ether
Concen: 471.212 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.5	38.3
106	28.6	23.0	34.4

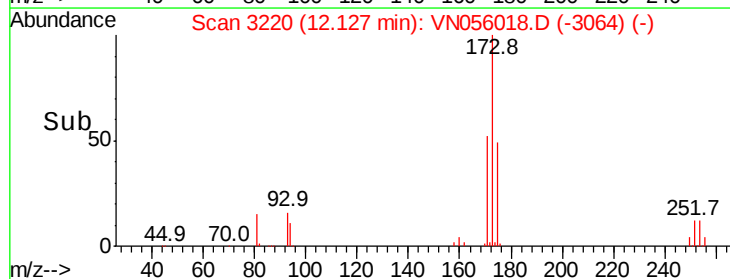
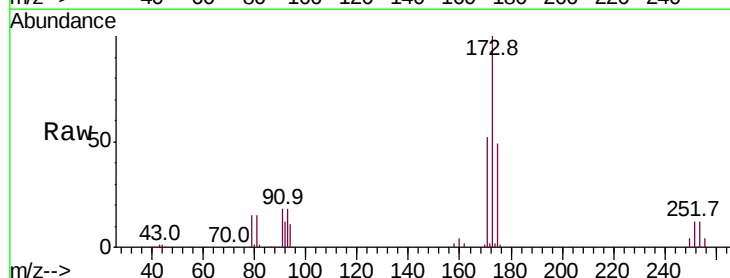
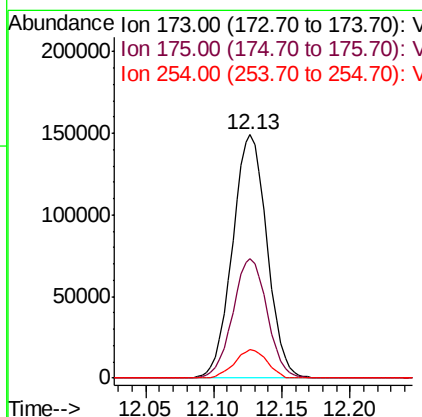
Manual Integrations
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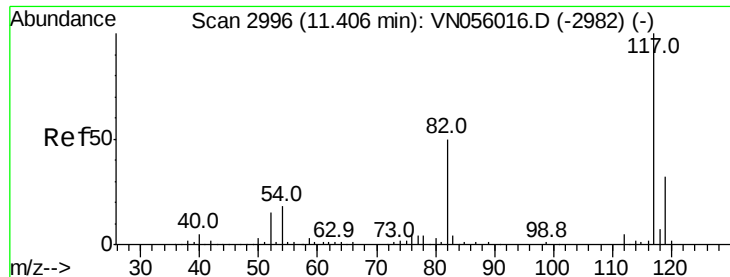
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#56
Bromoform
Concen: 89.339 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.7	58.1
254	11.0	6.6	9.8#





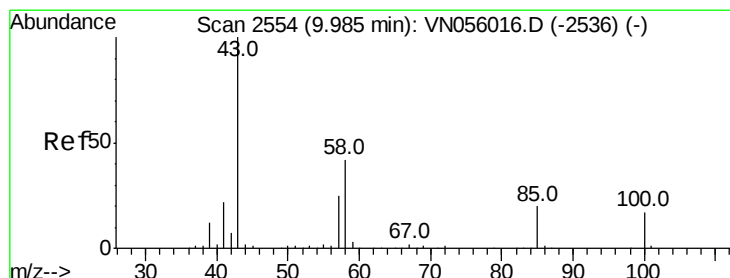
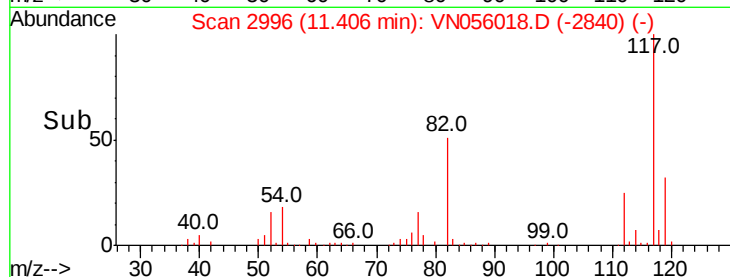
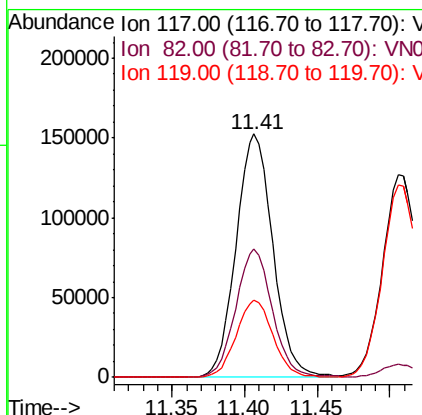
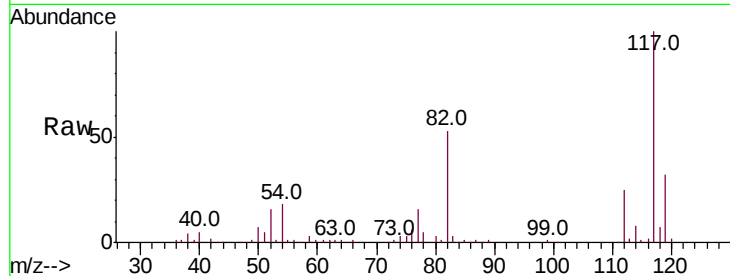
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.2	61.8
119	31.8	26.2	39.2

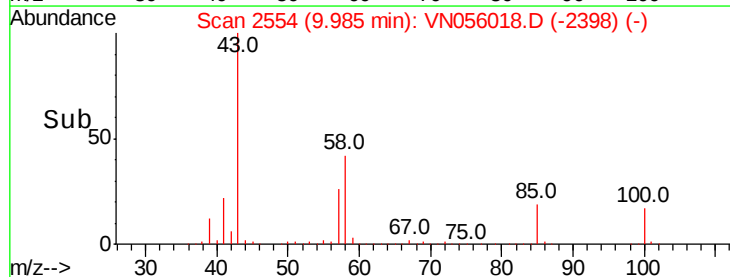
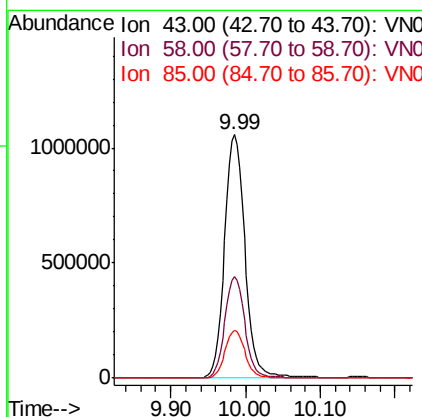
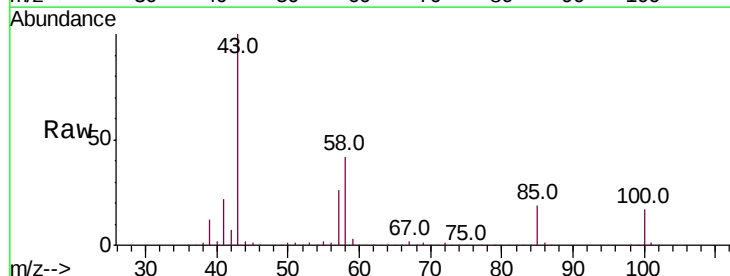
Manual Integrations
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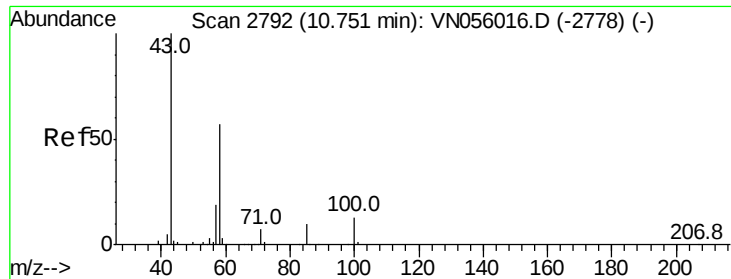
MMDadoda
6/6/2019 10:19:38 AM



#58
4-Methyl-2-Pentanone
Concen: 458.543 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.2	33.1	49.7
85	19.4	15.5	23.3





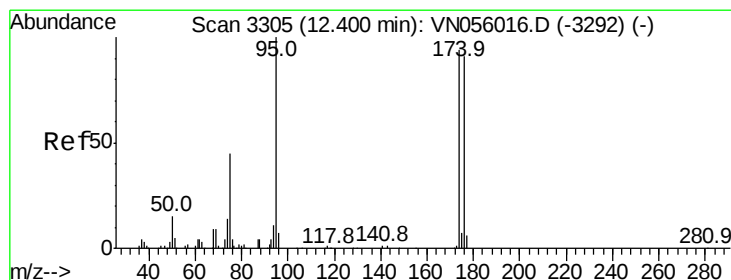
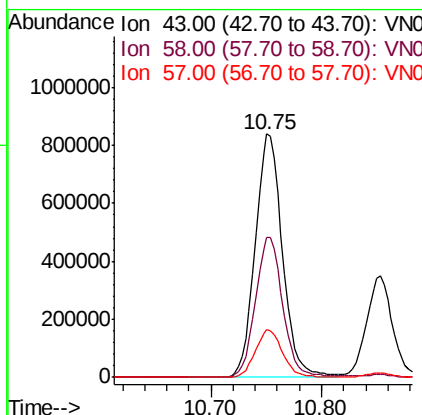
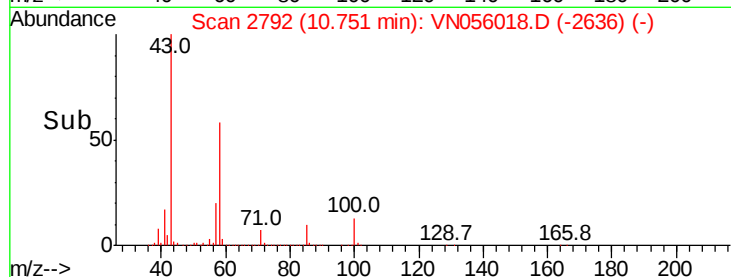
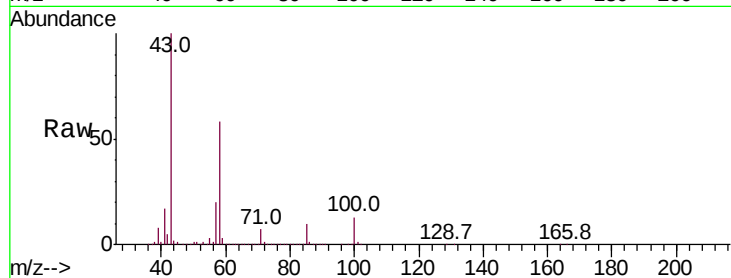
#59
2-Hexanone
Concen: 460.589 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1436808
Ion Ratio Lower Upper
43 100
58 58.1 45.3 67.9
57 19.7 15.6 23.4

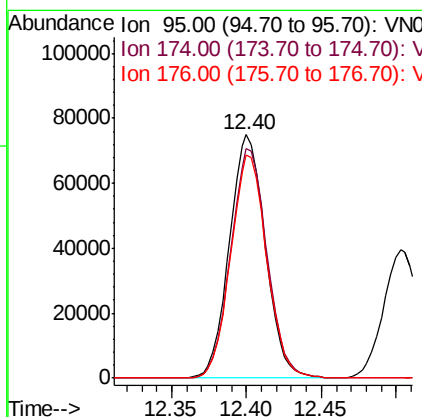
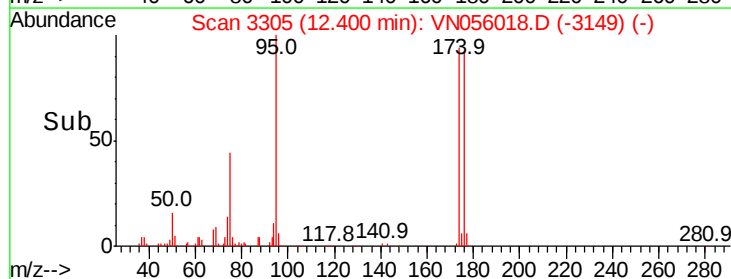
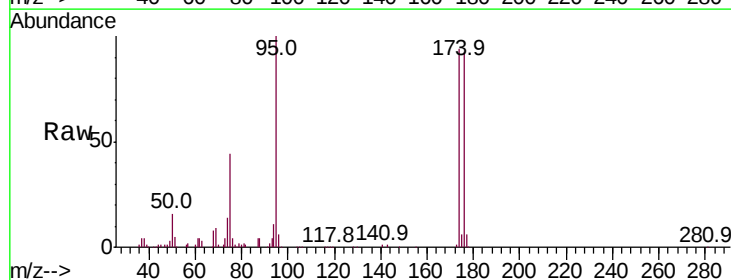
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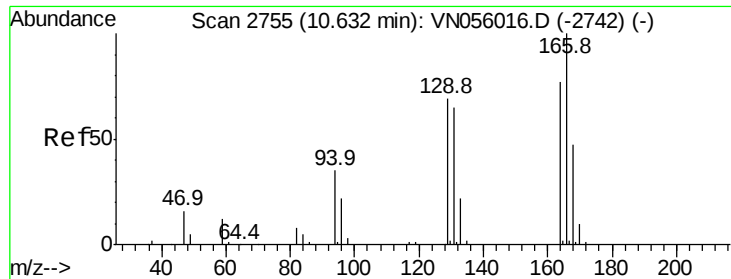
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.247 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion: 95 Resp: 125282
Ion Ratio Lower Upper
95 100
174 95.2 75.4 113.0
176 92.2 73.9 110.9





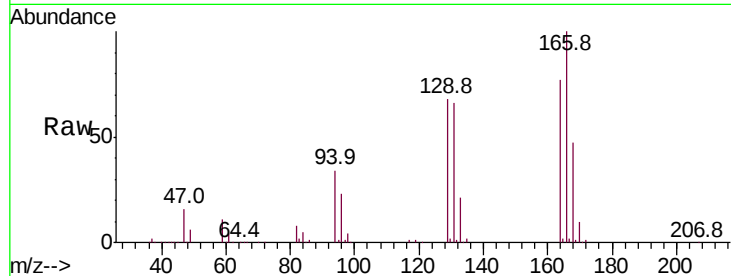
#61
Tetrachloroethene
Concen: 97.226 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.9	104.3	156.5
129	87.8	71.5	107.3
131	85.6	67.7	101.5

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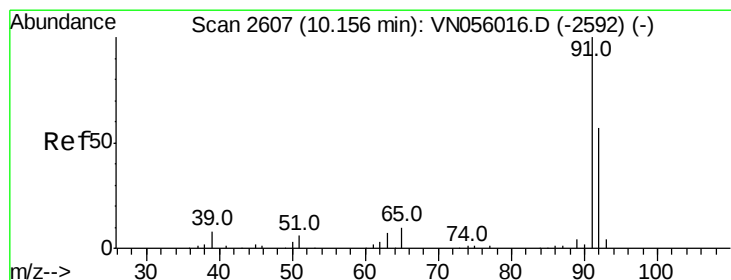
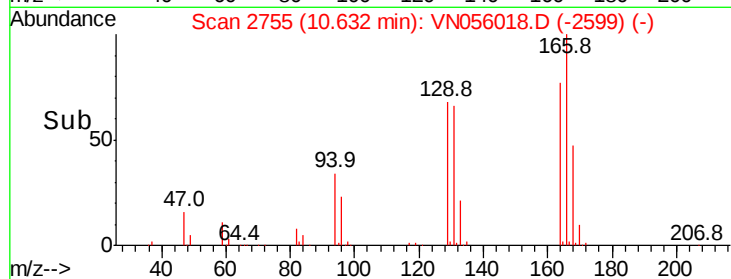
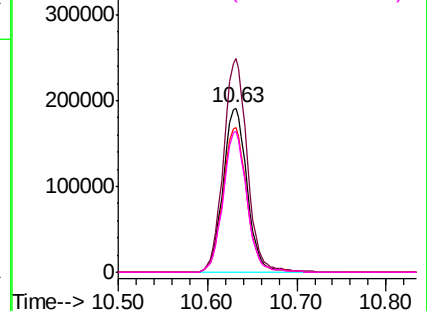
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

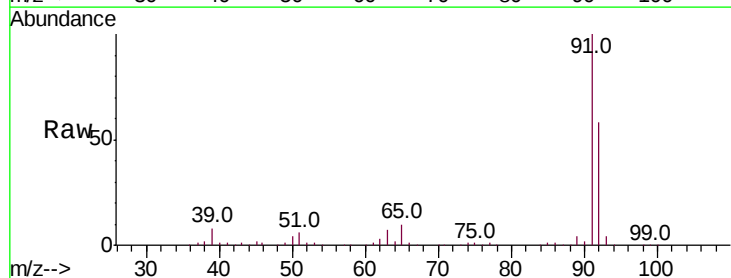
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 96.590 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

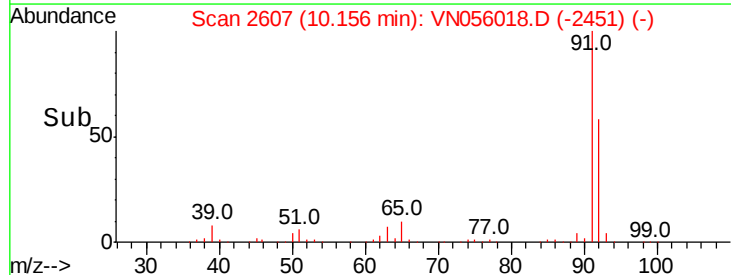
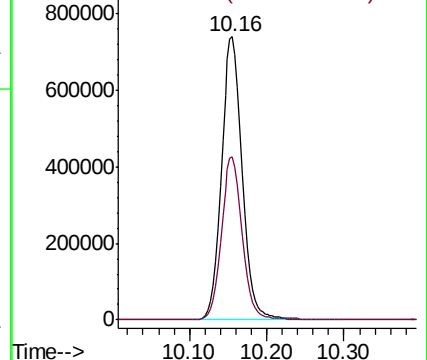
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.5	68.3

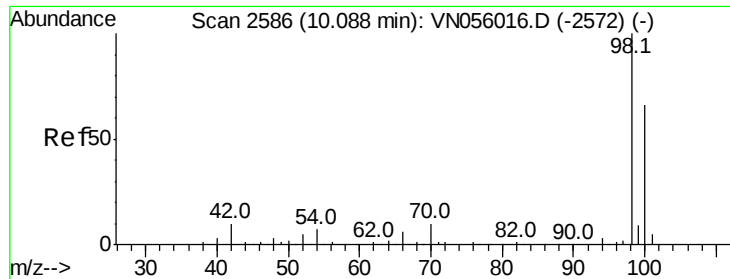


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.302 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 360740

Ion Ratio Lower Upper

98 100

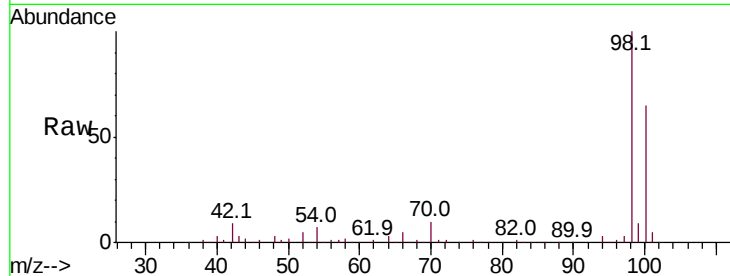
100 64.3 52.2 78.4

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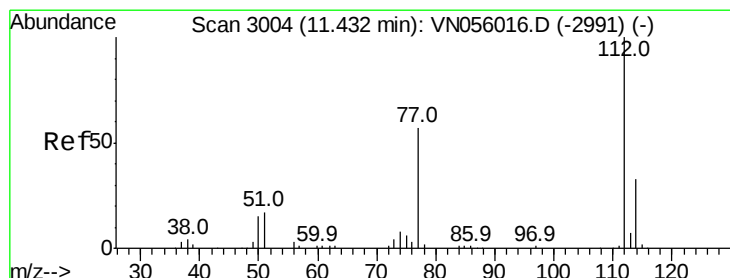
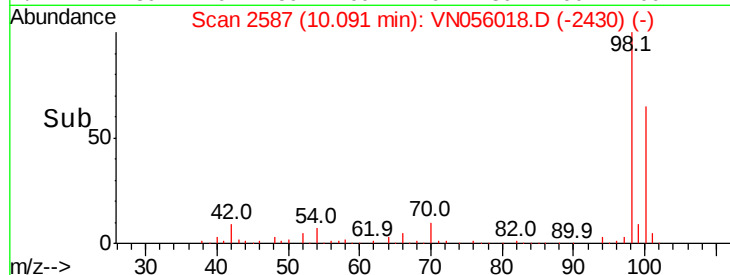
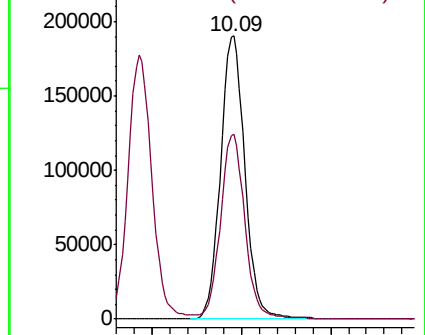
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Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

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



#64

Chlorobenzene

Concen: 98.986 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056018.D

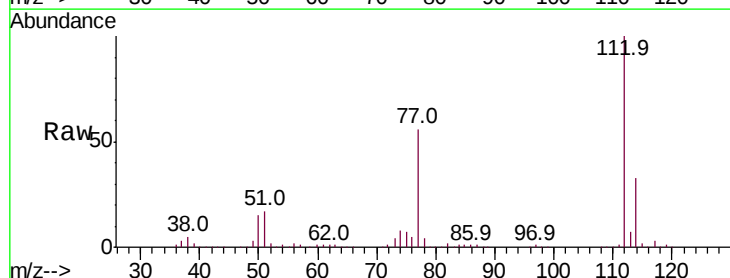
Acq: 5 Jun 2019 20:08

Tgt Ion: 112 Resp: 866996

Ion Ratio Lower Upper

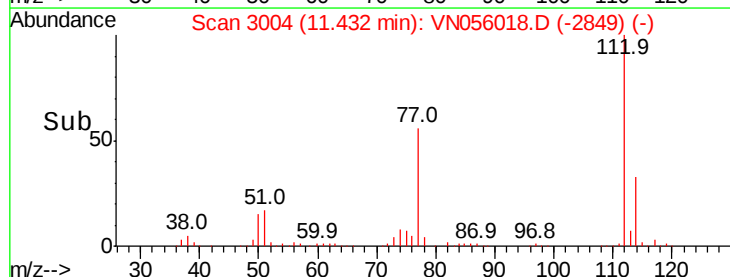
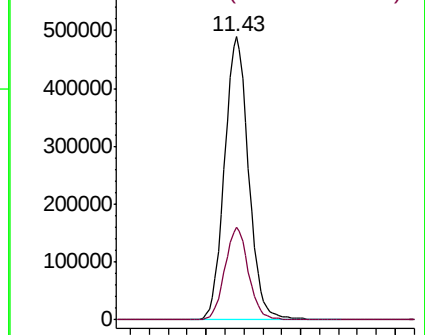
112 100

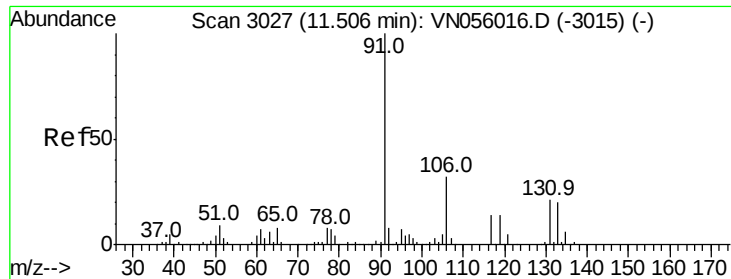
114 32.6 26.1 39.1



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

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





#65

1,1,1,2-Tetrachloroethane

Concen: 93.256 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

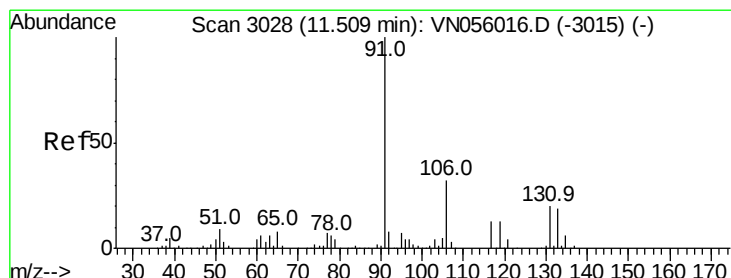
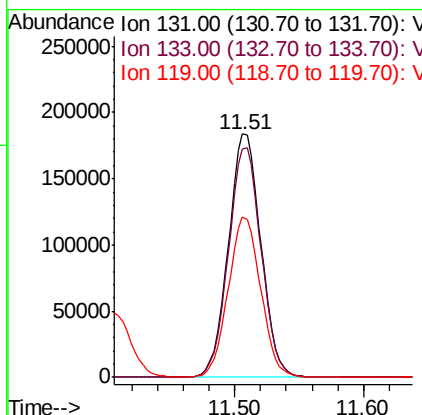
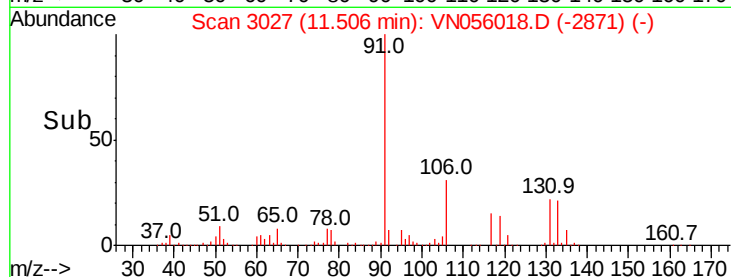
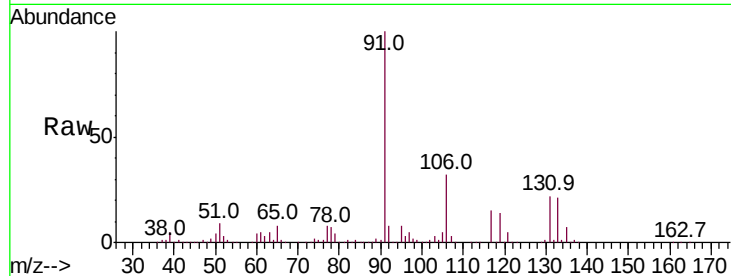
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	321201
Ion Ratio	Lower	Upper	
131	100		
133	95.2	0.0	193.8
119	66.1	0.0	134.4

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#66

Ethyl Benzene

Concen: 97.222 ug/l

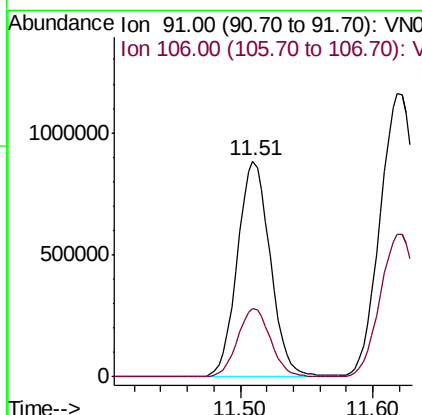
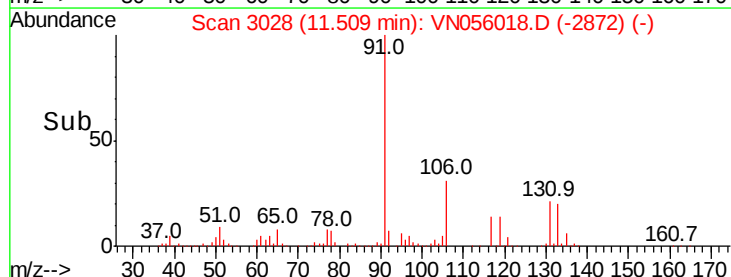
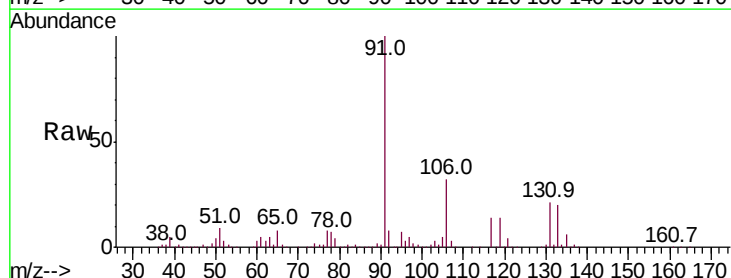
RT: 11.51 min Scan# 3028

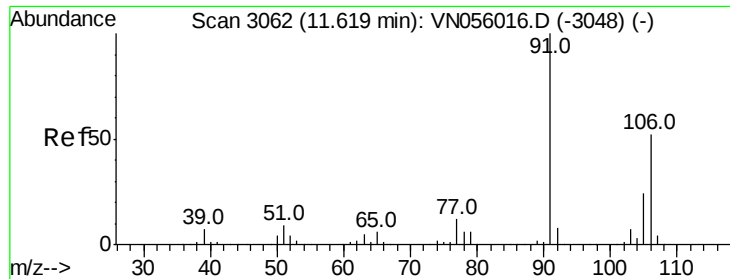
Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Tgt Ion:	91	Resp:	1527232
Ion Ratio	Lower	Upper	
91	100		
106	31.8	25.7	38.5





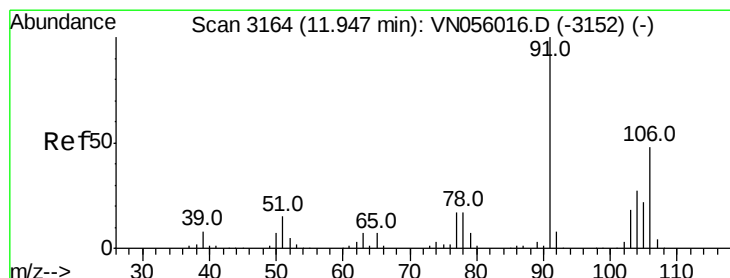
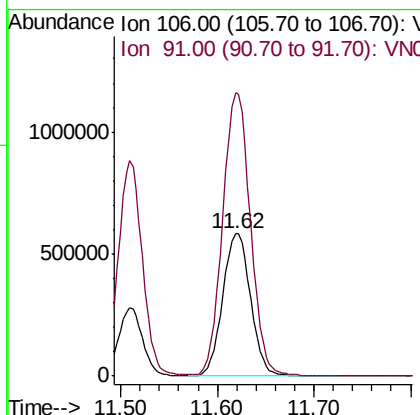
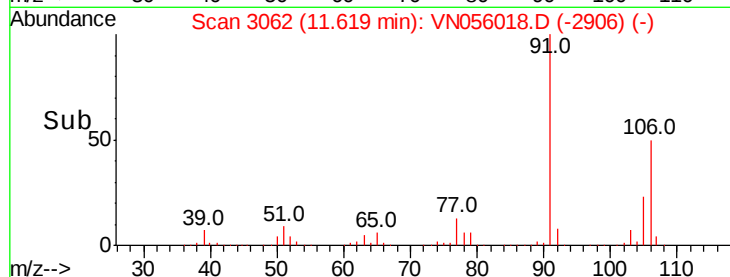
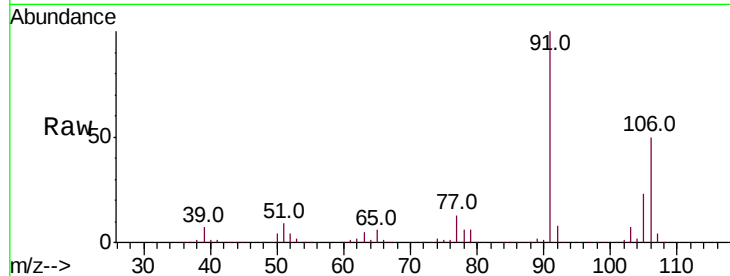
#67
m/p-Xvlenes
Concen: 196.295 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 1172220
Ion Ratio Lower Upper
106 100
91 197.8 155.7 233.5

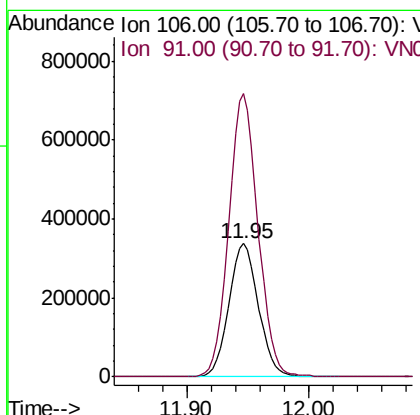
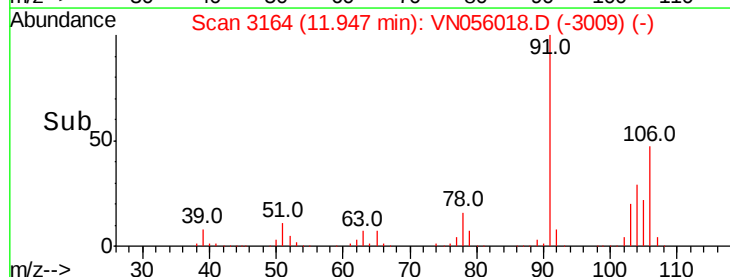
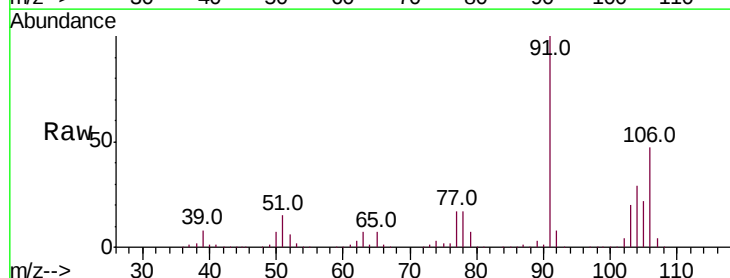
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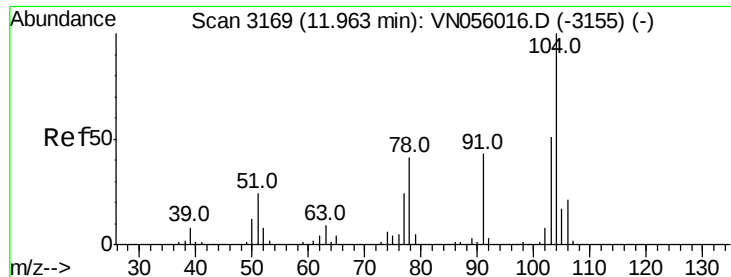
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#68
o-Xylene
Concen: 96.877 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion:106 Resp: 571084
Ion Ratio Lower Upper
106 100
91 209.4 103.9 311.7





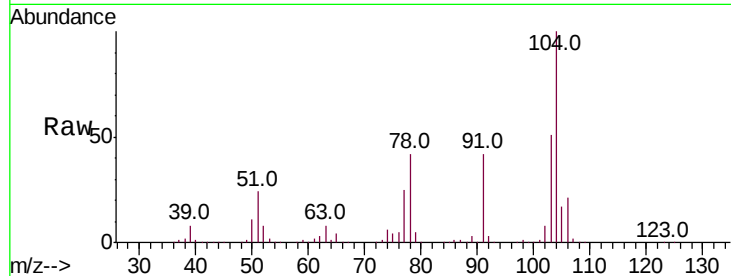
#69
Stvrene
Concen: 100.282 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

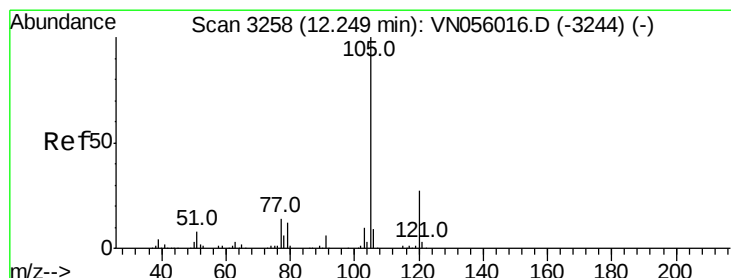
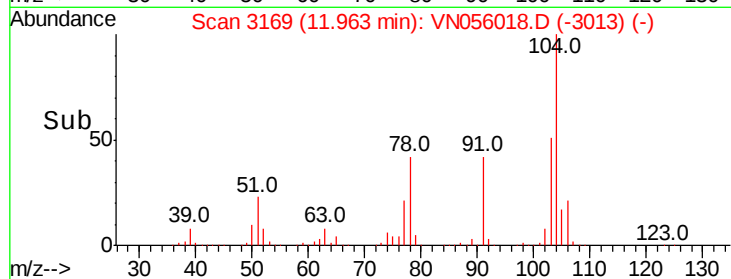
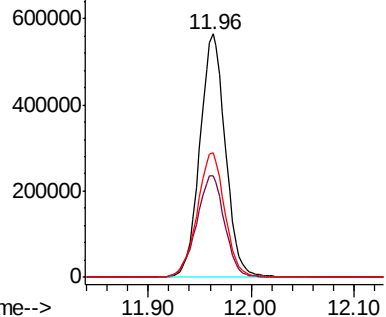
Tot Ion	Ratio	Lower	Upper
104	100		
78	46.2	37.0	55.6
103	55.4	44.4	66.6

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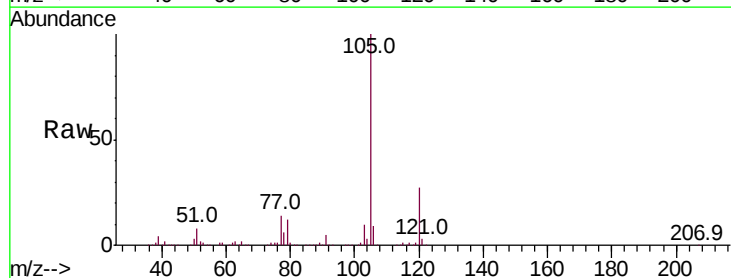


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

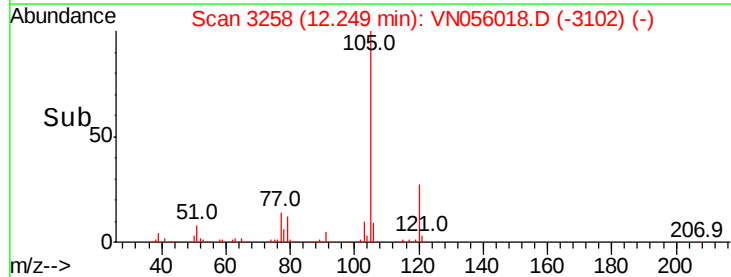
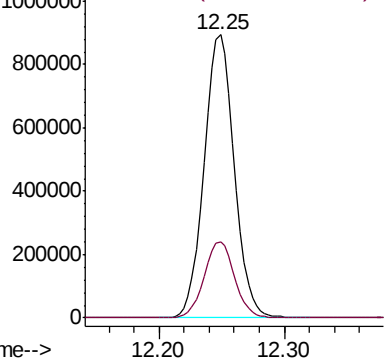


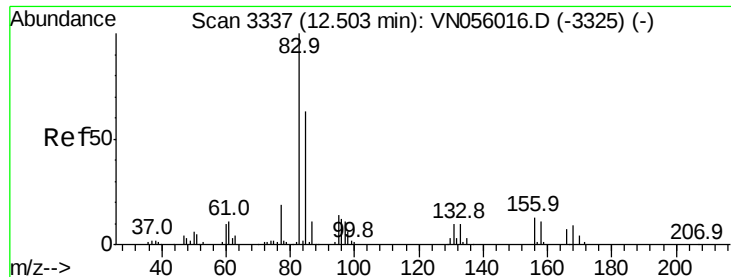
#70
Isopropylbenzene
Concen: 96.372 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

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





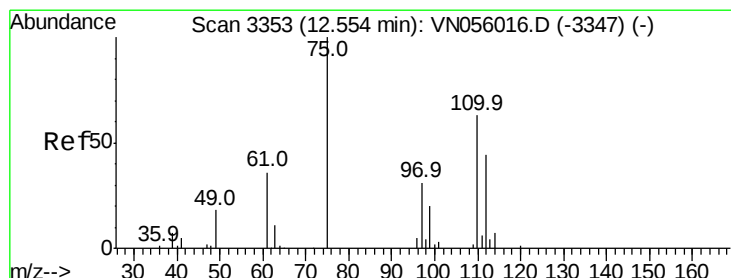
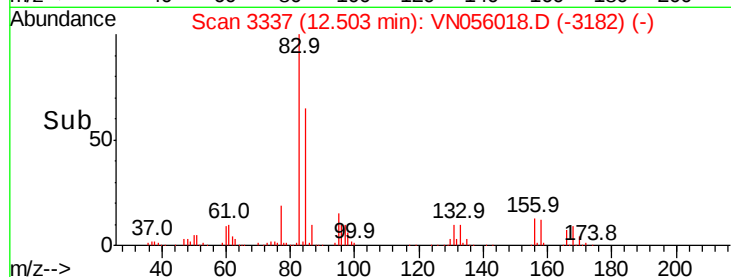
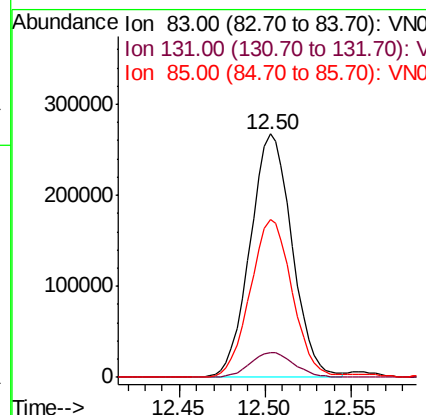
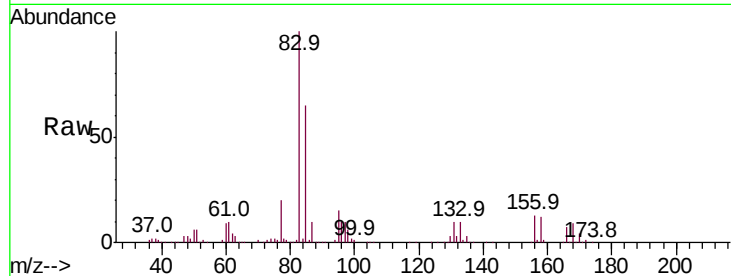
#71
 1,1,2,2-Tetrachloroethane
 Concen: 95.654 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	64.7	31.6	94.7

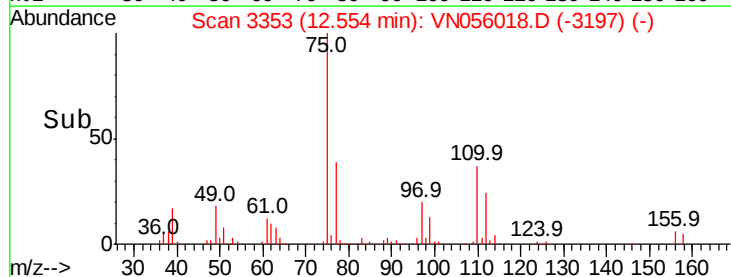
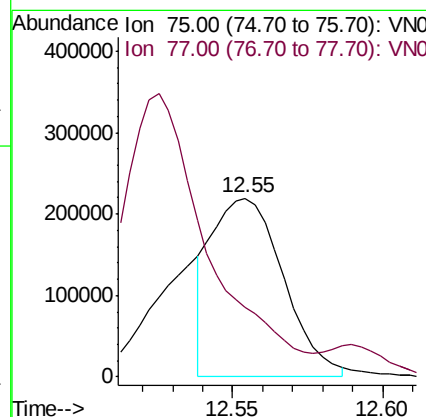
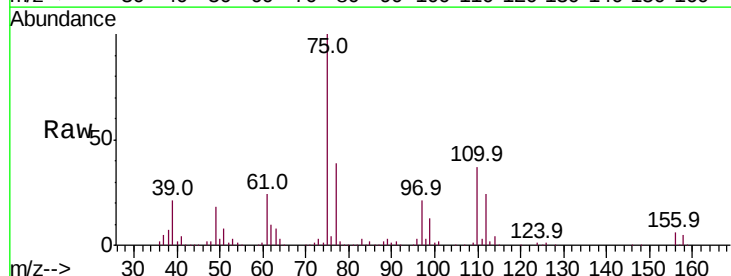
Manual Integrations
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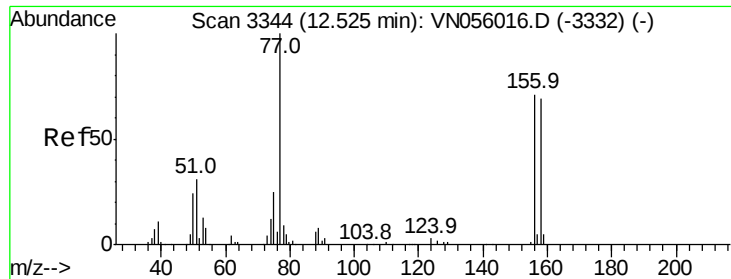
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#72
 1,2,3-Trichloropropane
 Concen: 90.376 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	196.2	0.0	350.0





#73

Bromobenzene

Concen: 100.747 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

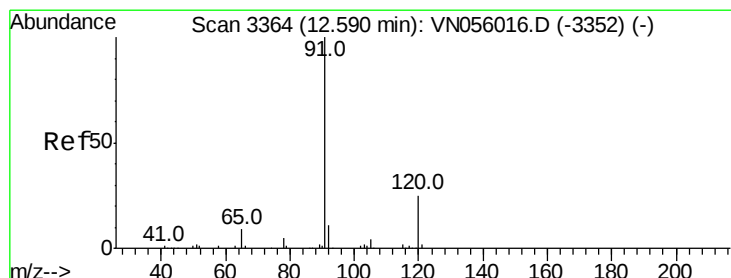
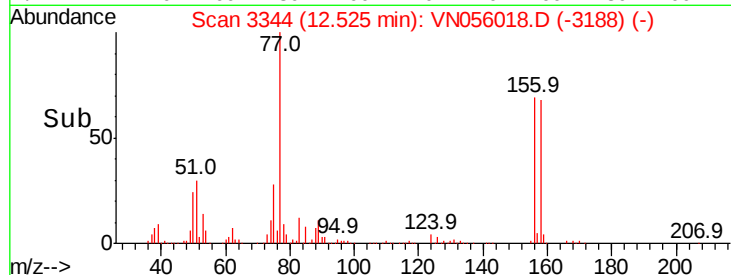
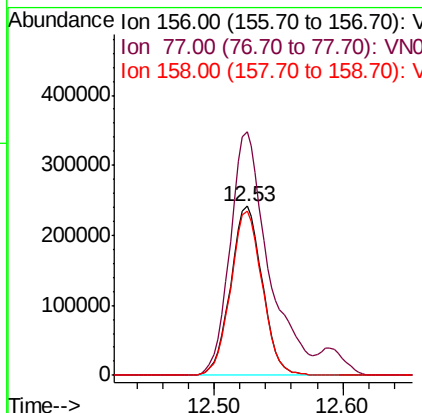
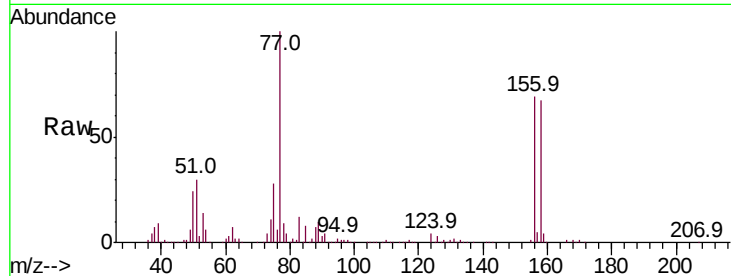
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	411261
Ion Ratio	Lower	Upper	
156	100		
77	174.4	0.0	350.8
158	97.4	0.0	193.2

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#74

n-propylbenzene

Concen: 99.893 ug/l

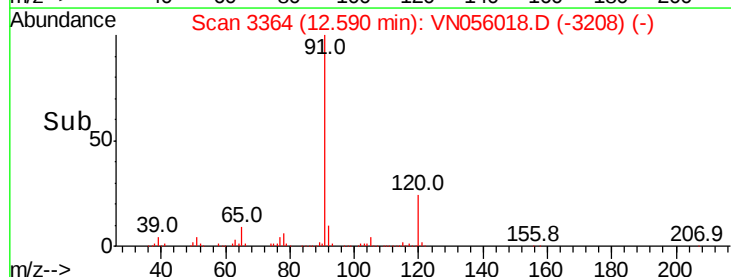
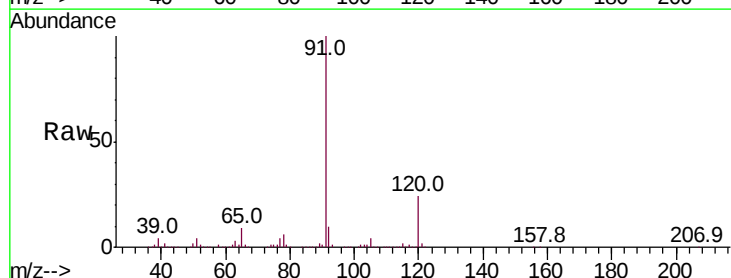
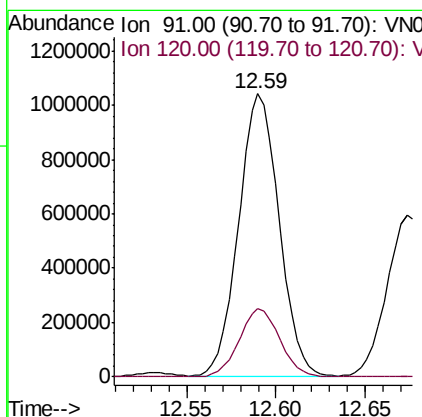
RT: 12.59 min Scan# 3364

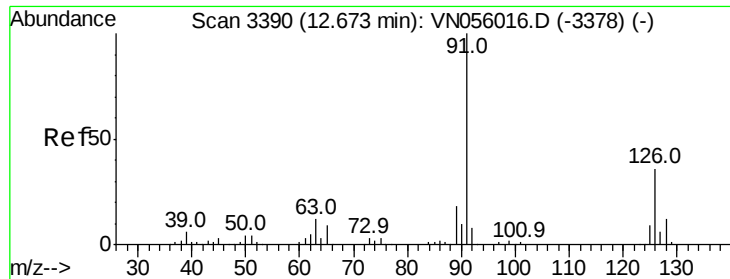
Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Tgt Ion:	91	Resp:	1650605
Ion Ratio	Lower	Upper	
91	100		
120	24.1	0.0	48.6





#75

2-Chlorotoluene

Concen: 98.104 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 992381

Ion Ratio Lower Upper

91 100

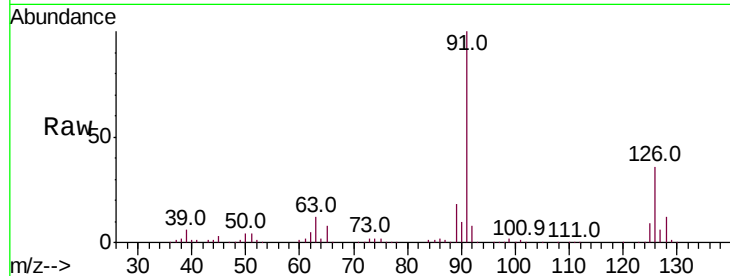
126 35.8 0.0 72.4

Manual Integrations

APPROVED

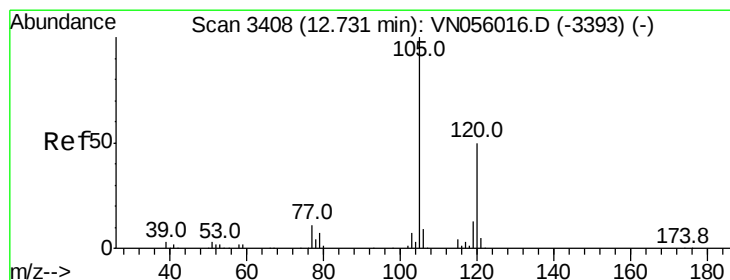
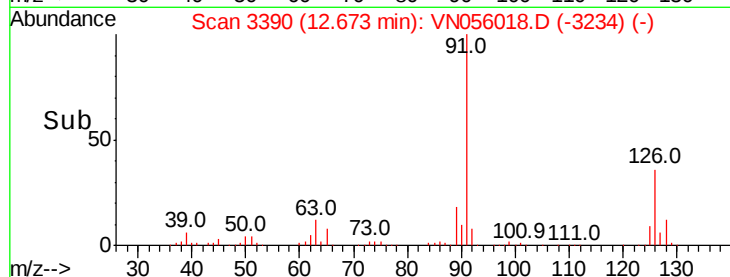
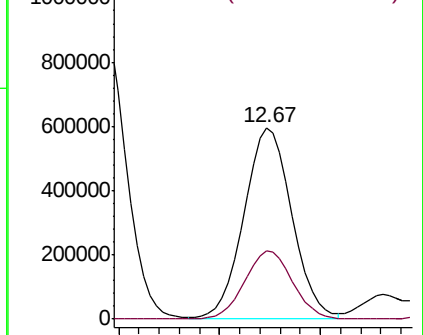
MMDadoda

6/6/2019 10:19:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056018.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN056018.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 98.062 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056018.D

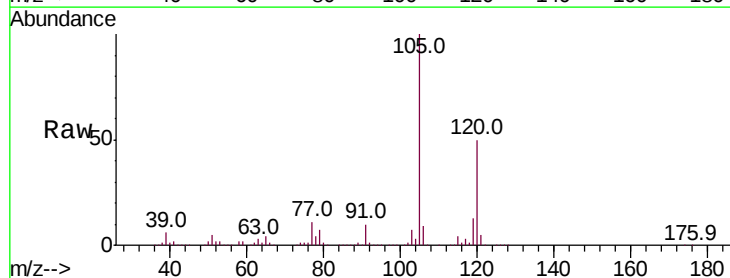
Acq: 5 Jun 2019 20:08

Tgt Ion: 105 Resp: 1247213

Ion Ratio Lower Upper

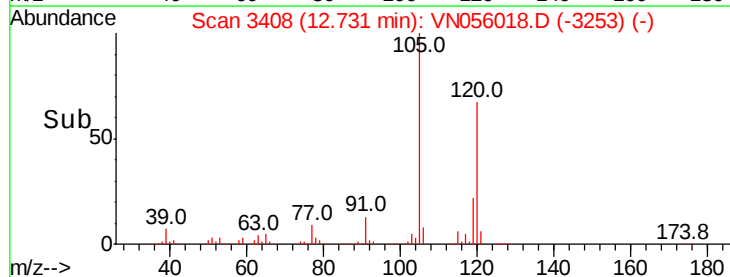
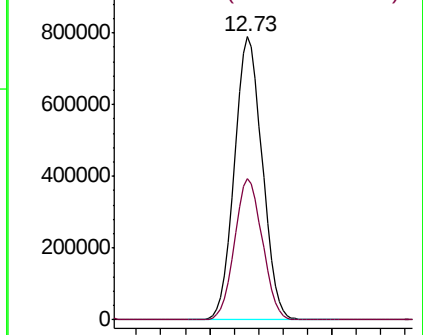
105 100

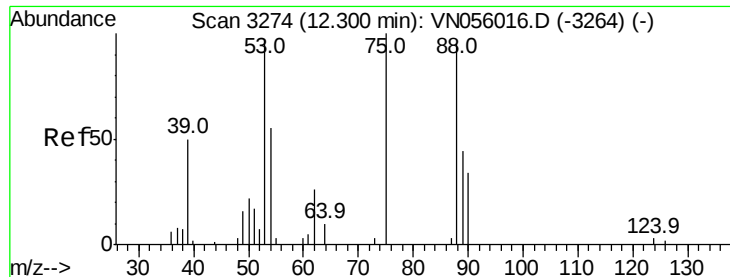
120 50.0 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056018.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN056018.D (-3408) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 86.526 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Instrument :

MSVOA_N

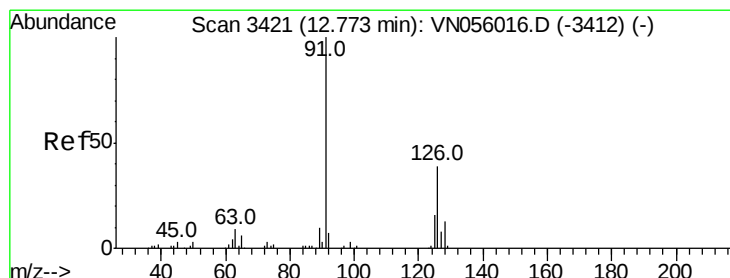
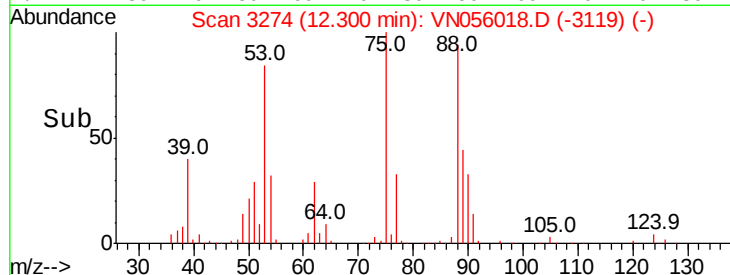
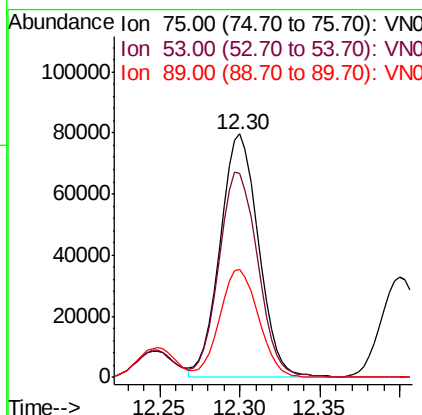
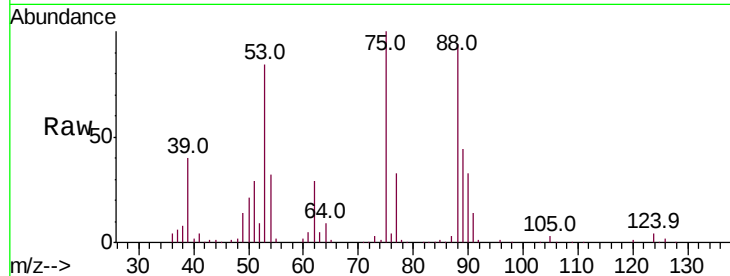
ClientSampled :

VSTDIC100

Tot Ion:	75	Resp:	130824
Ion	Ratio	Lower	Upper
75	100		
53	83.8	48.0	144.0
89	44.4	22.5	67.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 103.006 ug/l

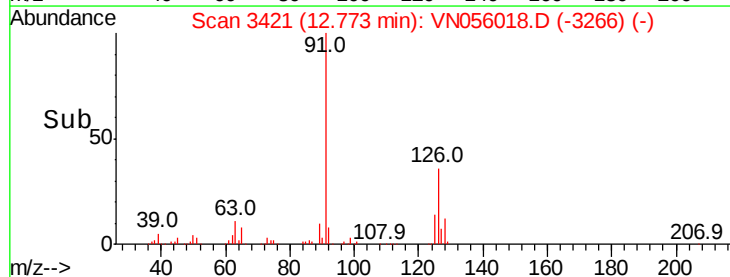
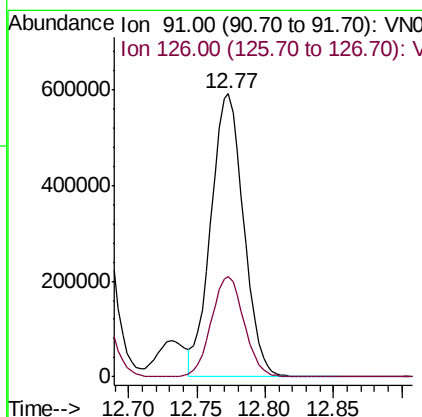
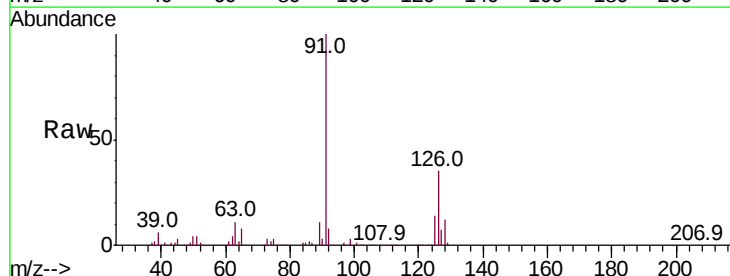
RT: 12.77 min Scan# 3421

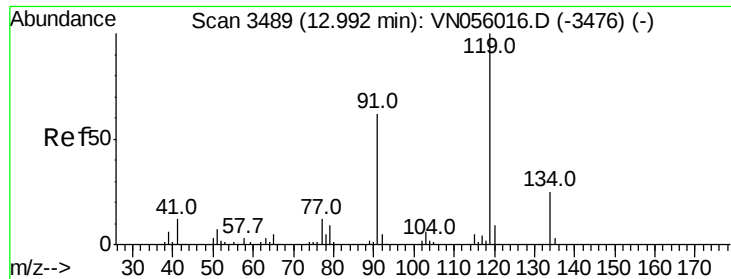
Delta R.T. -0.00 min

Lab File: VN056018.D

Acq: 5 Jun 2019 20:08

Tgt Ion:	91	Resp:	983408
Ion	Ratio	Lower	Upper
91	100		
126	35.4	0.0	71.8





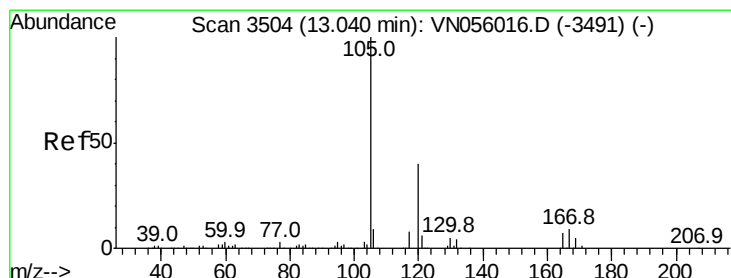
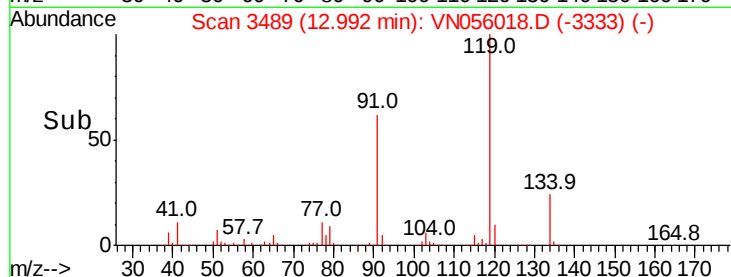
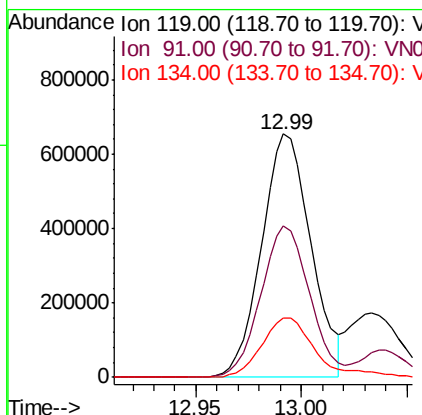
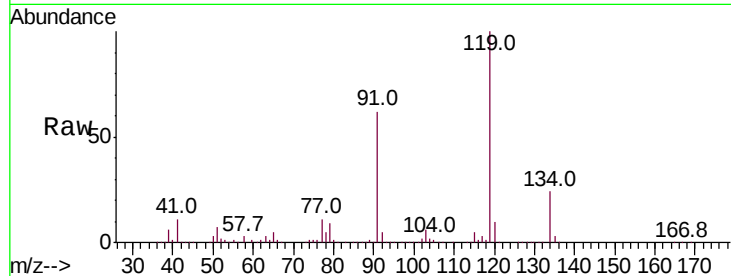
#79
tert-butylbenzene
Concen: 95.707 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	0.0	122.8
134	26.6	0.0	50.2

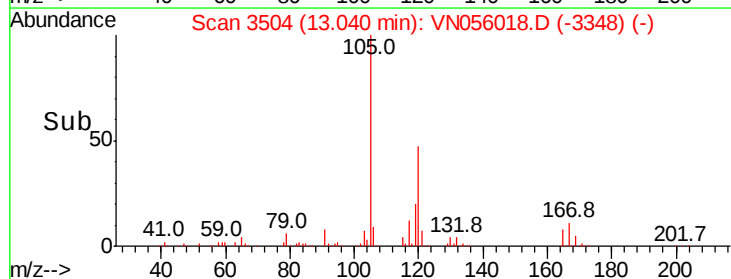
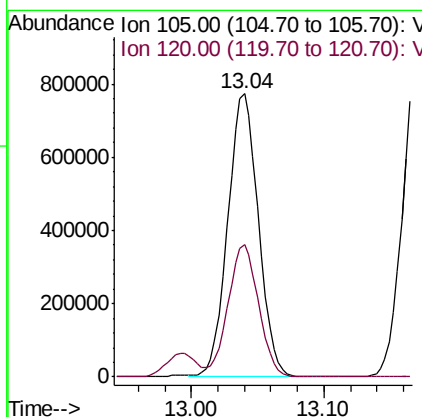
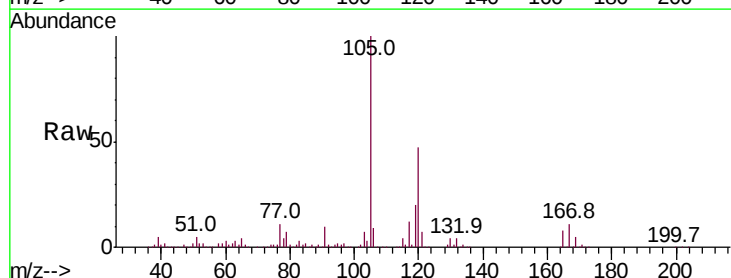
Manual Integrations
APPROVED

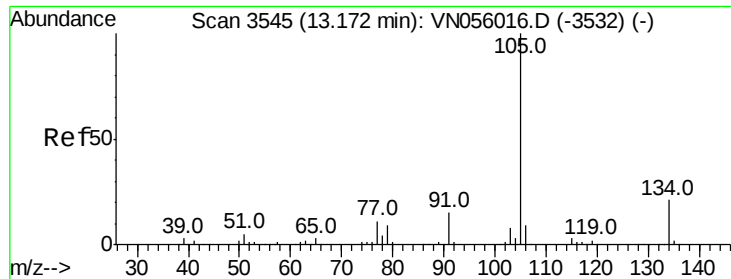
MMDadoda
6/6/2019 10:19:38 AM



#80
1,2,4-Trimethylbenzene
Concen: 98.425 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	0.0	93.4





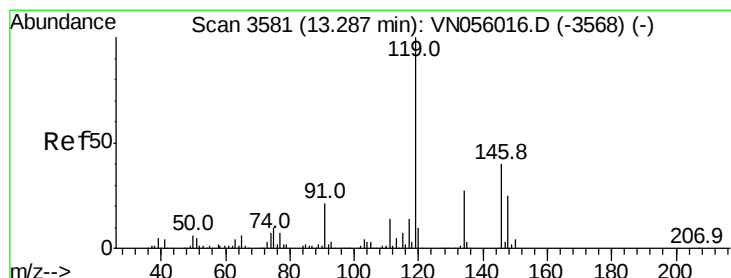
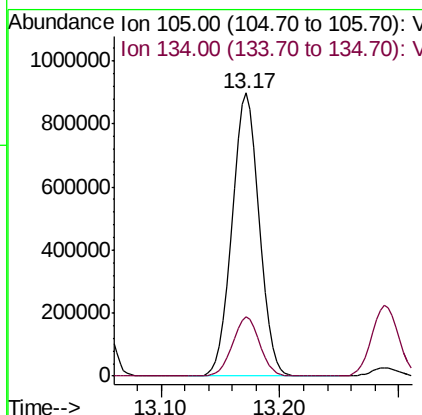
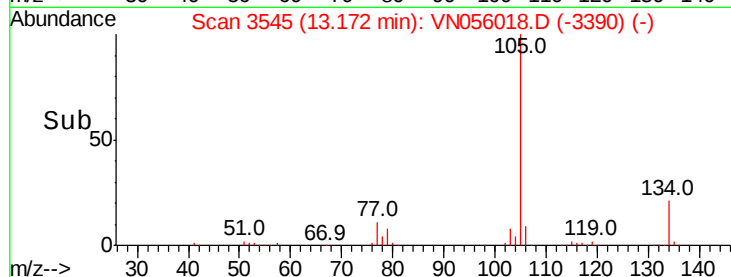
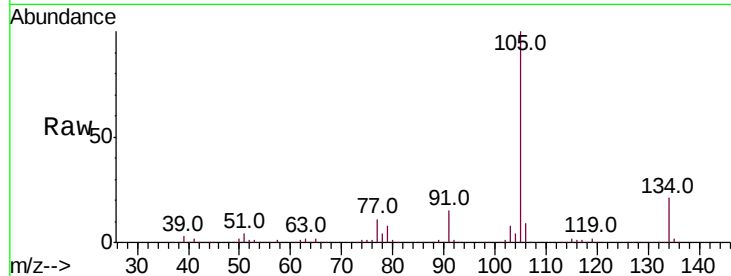
#81
 sec-Butylbenzene
 Concen: 99.580 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 1413819
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 41.8

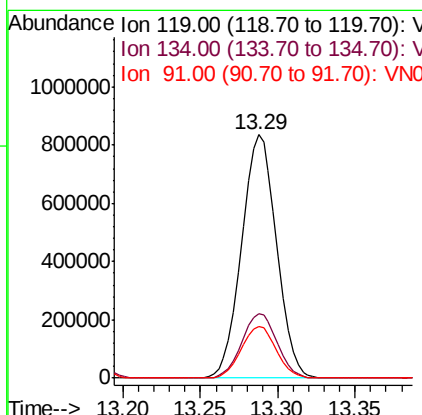
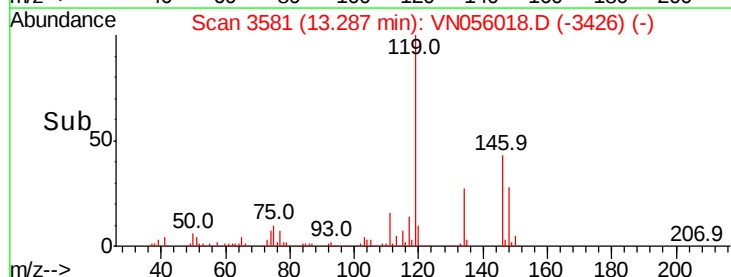
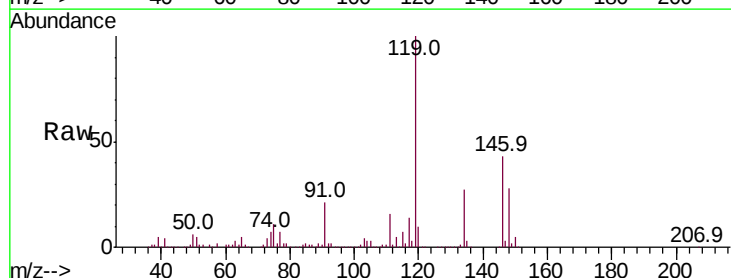
Manual Integrations
 APPROVED

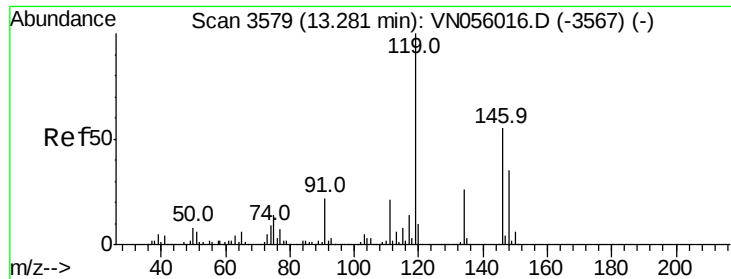
MMDadoda
 6/6/2019 10:19:38 AM



#82
 p-Isopropyltoluene
 Concen: 100.560 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Tgt Ion:119 Resp: 1307937
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 53.4
 91 21.3 0.0 43.0





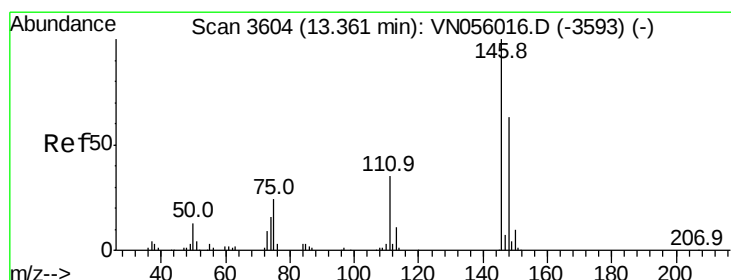
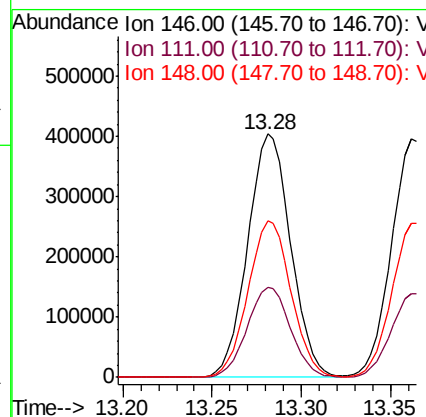
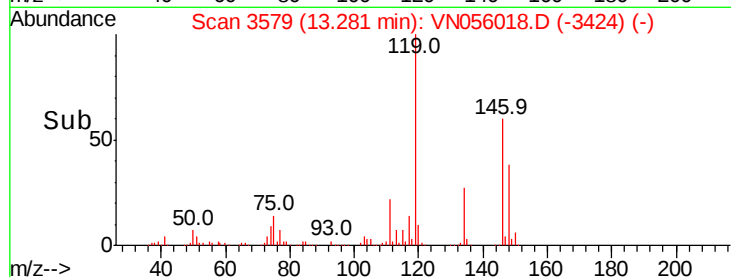
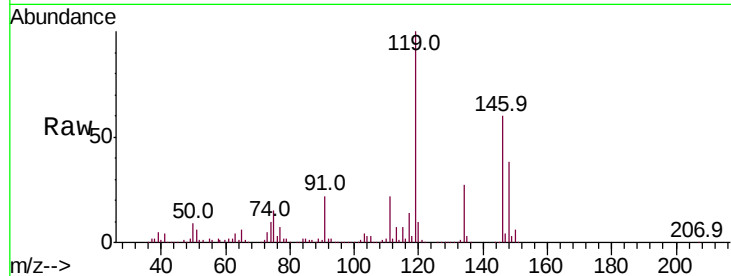
#83
 1,3-Dichlorobenzene
 Concen: 106.839 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.2	54.6
148	64.4	31.9	95.9

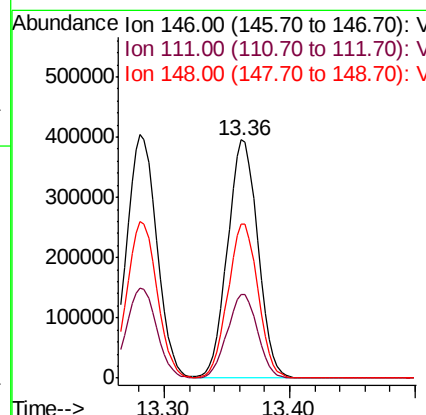
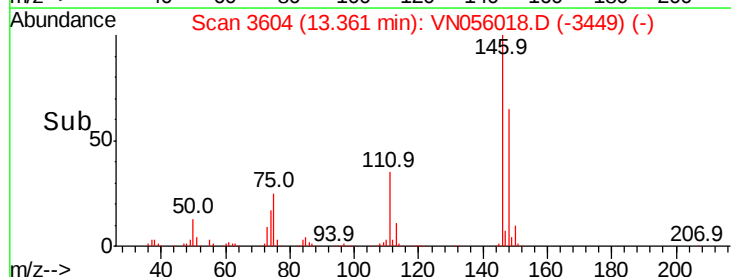
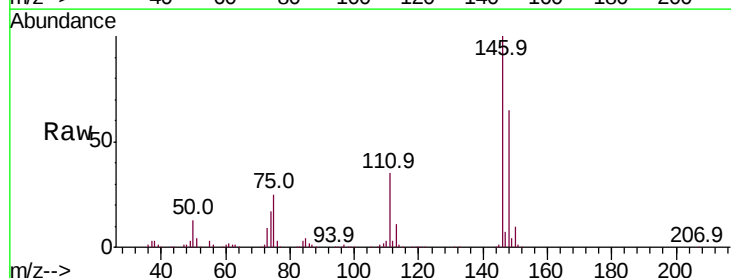
Manual Integrations
 APPROVED

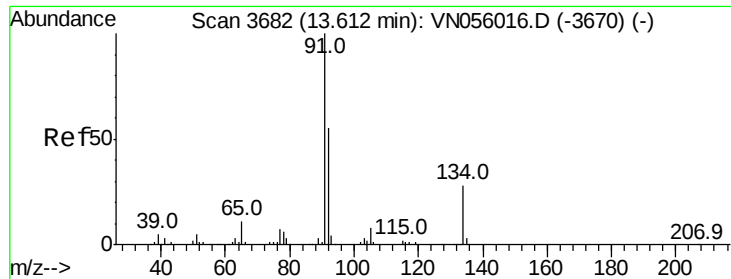
MMDadoda
 6/6/2019 10:19:38 AM



#84
 1,4-Dichlorobenzene
 Concen: 110.036 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	17.6	52.9
148	64.3	32.1	96.3





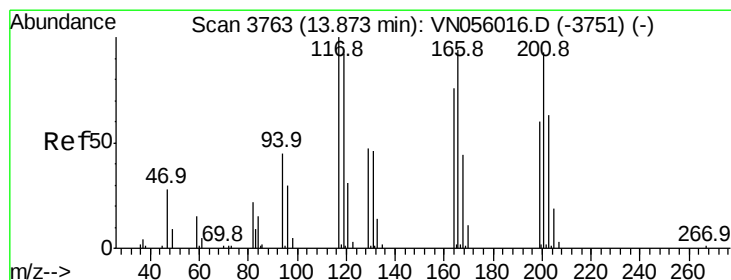
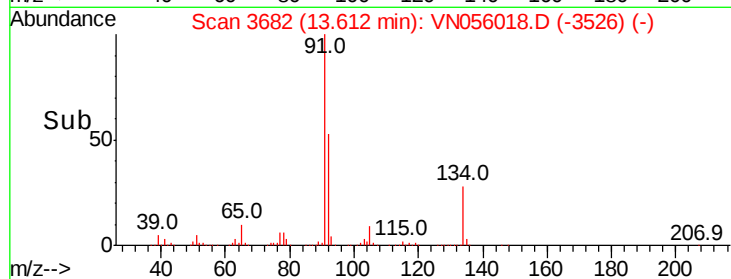
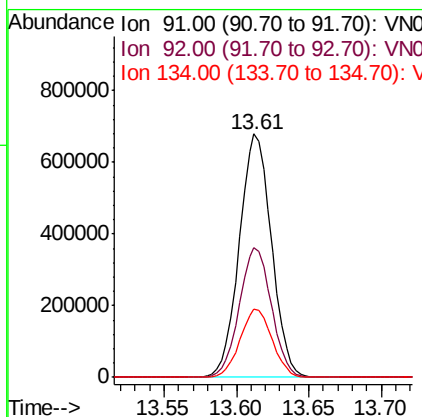
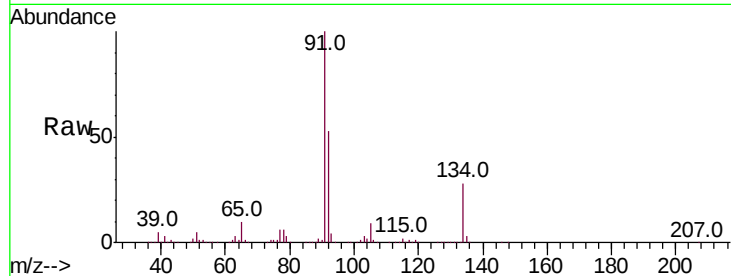
#85
n-Butylbenzene
Concen: 104.658 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	0.0	107.2
134	28.0	0.0	55.8

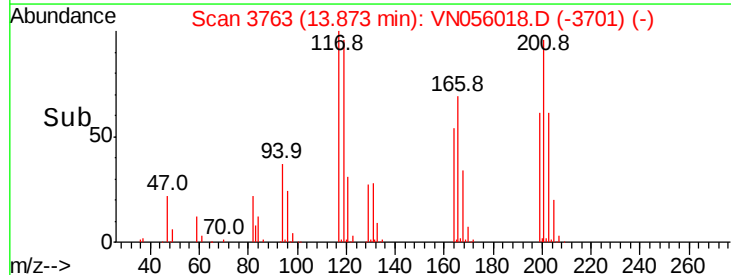
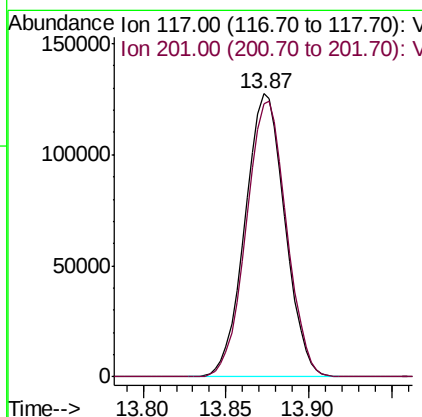
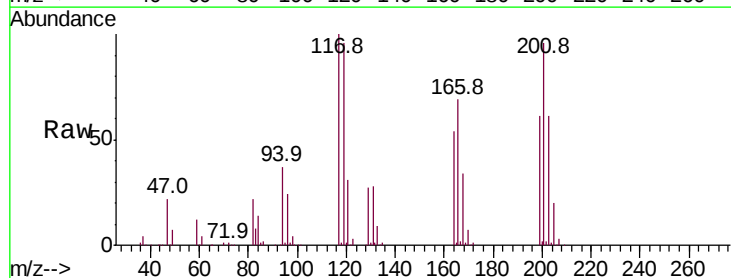
Manual Integrations
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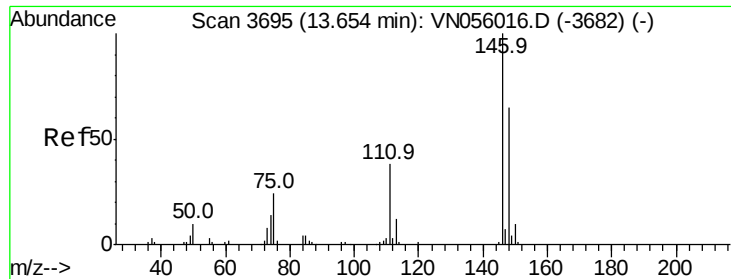
MMDadoda
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#86
Hexachloroethane
Concen: 87.847 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.8	48.1	144.4





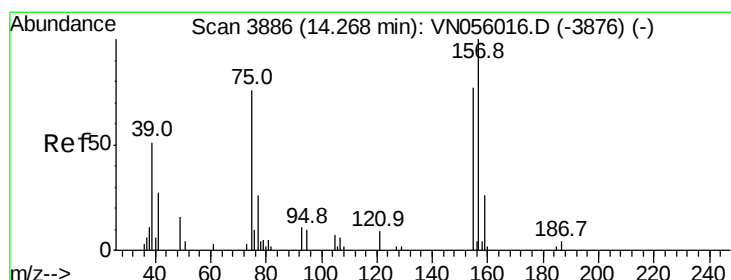
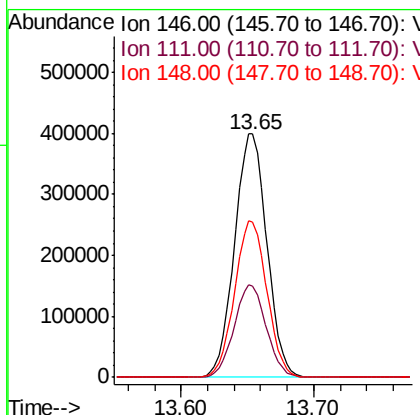
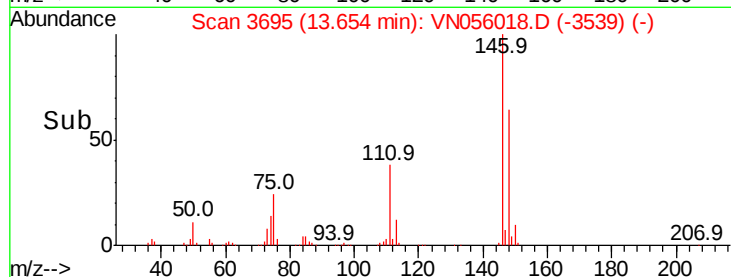
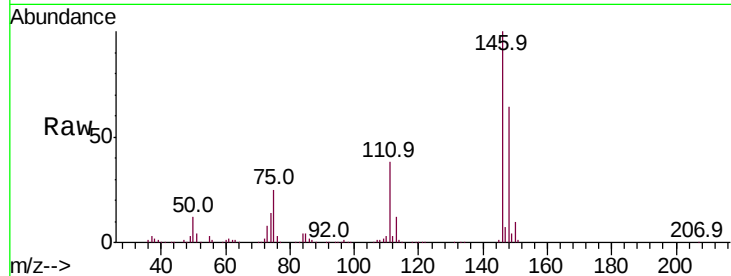
#87
 1,2-Dichlorobenzene
 Concen: 105.244 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.3	57.9
148	64.0	32.6	97.8

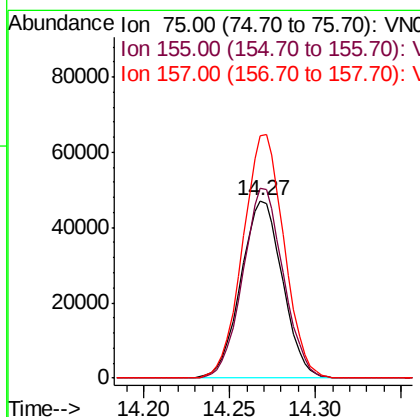
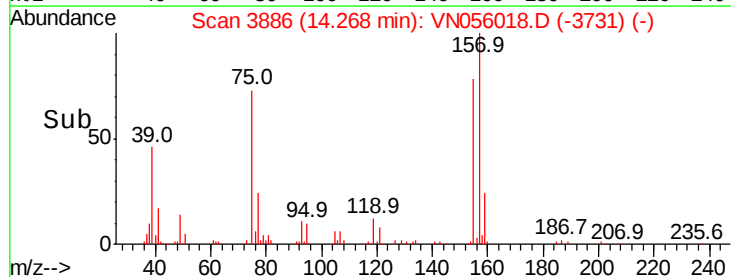
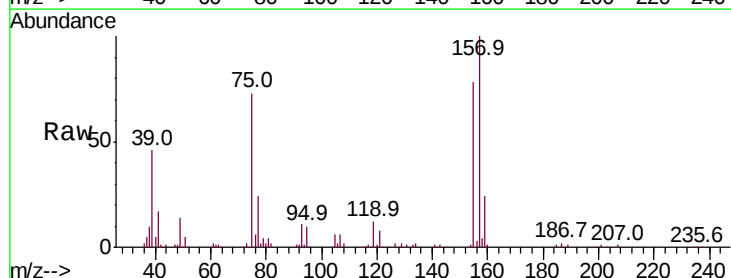
Manual Integrations
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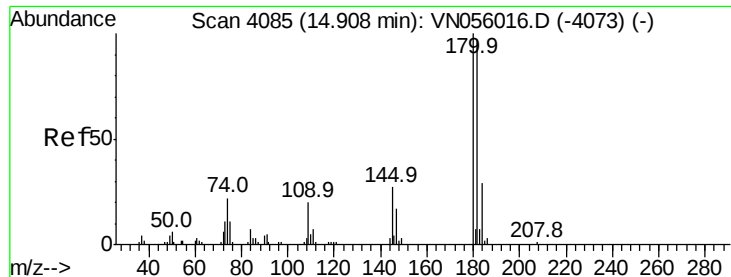
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 92.746 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.3	82.5	123.7
157	136.0	105.1	157.7





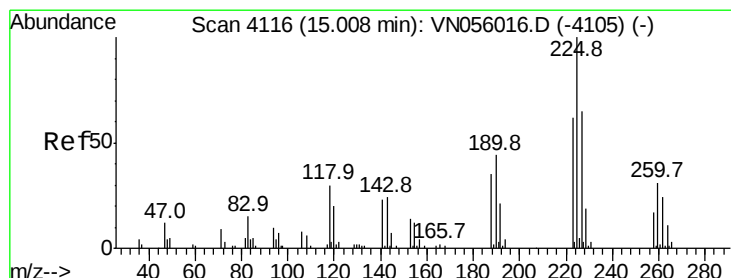
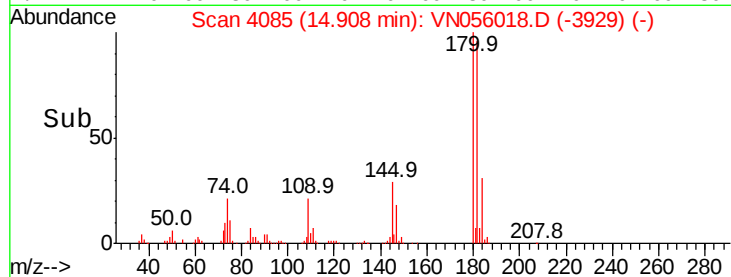
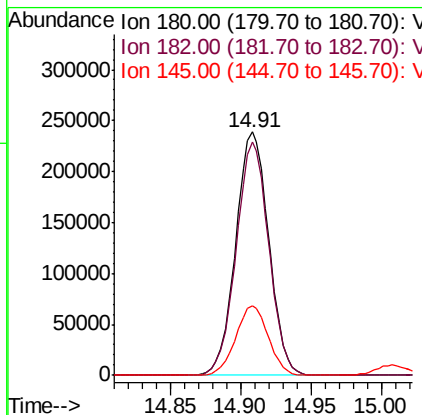
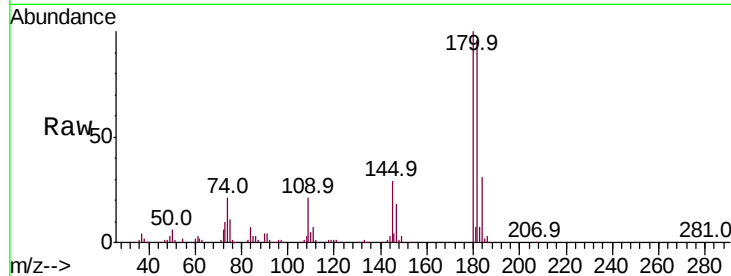
#89
 1,2,4-Trichlorobenzene
 Concen: 115.530 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	391534		
182	94.9	75.0	112.6	
145	28.2	22.1	33.1	

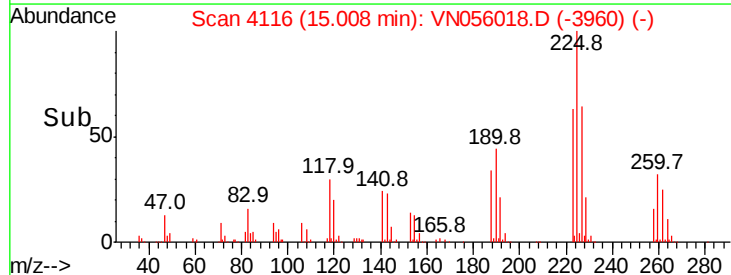
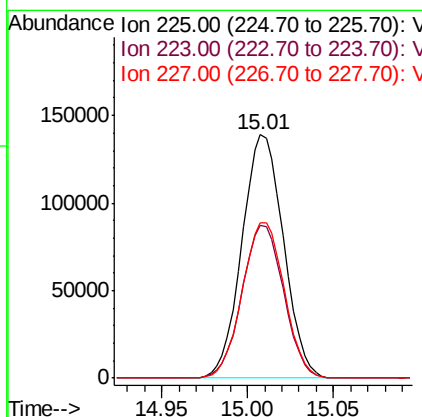
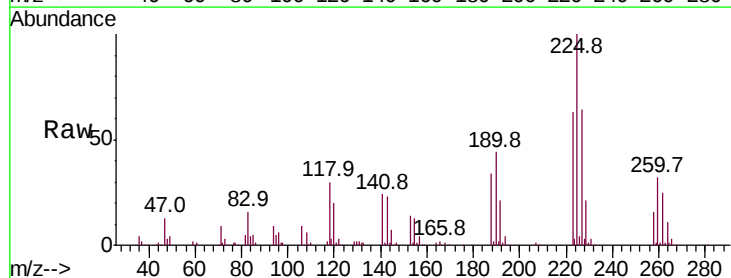
Manual Integrations
 APPROVED

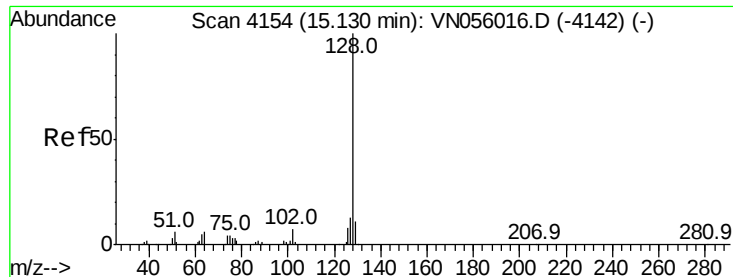
MMDadoda
 6/6/2019 10:19:38 AM



#90
 Hexachlorobutadiene
 Concen: 91.889 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056018.D
 Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	232969		
223	63.0	0.0	125.6	
227	64.5	0.0	128.6	





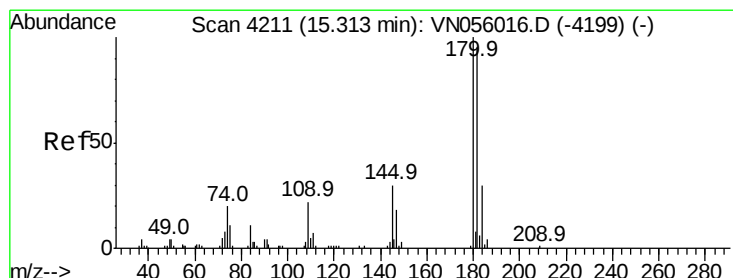
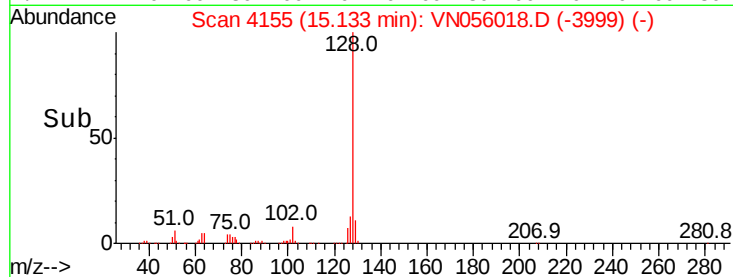
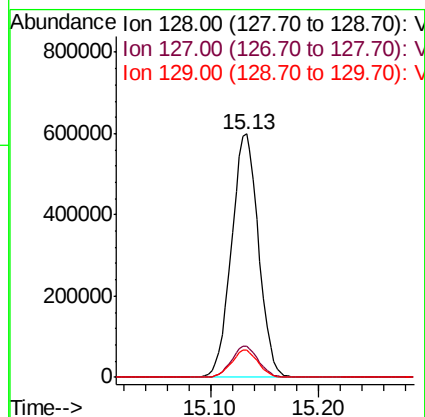
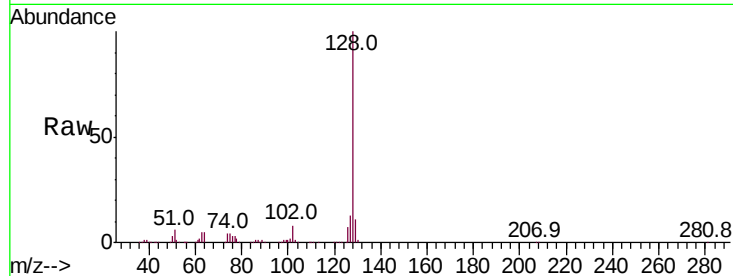
#91
Naphthalene
Concen: 113.106 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/6/2019 10:19:38 AM



#92
1,2,3-Trichlorobenzene
Concen: 112.921 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056018.D
Acq: 5 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	193.4
145	29.7	0.0	59.8

