

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN060719\
 Data File : VN056075.D
 Acq On : 7 Jun 2019 4:19
 Operator : JC/SP
 Sample : VN0607WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/8/2019 3:00:35 PM

Quant Time: Jun 07 07:14:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	291925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	445238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157695	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	157576	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
35) Dibromofluoromethane	7.59	113	138393	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.09	98	524249	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	172341	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	65807	20.728	ug/l	99
3) Chloromethane	2.06	50	72108	22.787	ug/l	97
4) Vinyl Chloride	2.19	62	71492	22.522	ug/l	99
5) Bromomethane	2.53	94	36479	18.193	ug/l	97
6) Chloroethane	2.69	64	41162	22.365	ug/l	96
7) Trichlorofluoromethane	3.00	101	85095	20.999	ug/l	98
8) Diethyl Ether	3.40	74	35538	21.326	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50917	20.685	ug/l	99
10) Methyl Iodide	3.94	142	52611	13.449	ug/l	100
11) Tert butyl alcohol	4.82	59	48891	96.926	ug/l	99
12) 1,1-Dichloroethene	3.72	96	50918	20.777	ug/l	98
13) Acrolein	3.60	56	11824	81.278	ug/l	96
14) Allyl chloride	4.31	41	74607	19.280	ug/l	99
15) Acrylonitrile	4.99	53	146875	119.616	ug/l	99
16) Acetone	3.82	43	119394	86.124	ug/l	98
17) Carbon Disulfide	4.04	76	103546	17.647	ug/l	98
18) Methyl Acetate	4.33	43	68004	24.680	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	170817	21.867	ug/l	99
20) Methylene Chloride	4.55	84	62146	21.759	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	55237	21.036	ug/l	96
22) Diisopropyl ether	5.96	45	174357	21.796	ug/l	98
23) Vinyl Acetate	5.90	43	664752	105.525	ug/l	100
24) 1,1-Dichloroethane	5.84	63	98792	21.410	ug/l	98
25) 2-Butanone	6.84	43	189823	108.375	ug/l	99
26) 2,2-Dichloropropane	6.82	77	41964	11.655	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	66472	21.536	ug/l	95
28) Bromochloromethane	7.19	49	44208	20.259	ug/l	97
29) Tetrahydrofuran	7.22	42	126500	116.838	ug/l	99
30) Chloroform	7.37	83	102072	21.990	ug/l	99
31) Cyclohexane	7.65	56	92707	20.156	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	80853	20.859	ug/l	99
36) 1,1-Dichloropropene	7.79	75	71563	18.693	ug/l	97
37) Ethyl Acetate	6.93	43	75933	22.291	ug/l	98
38) Carbon Tetrachloride	7.77	117	66788	18.922	ug/l	97

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MMDadoda
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Quant Time: Jun 07 07:14:56 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	86974	18.237	ug/l	98
40) Benzene	8.04	78	241242	20.747	ug/l	100
41) Methacrylonitrile	7.18	41	35106	22.400	ug/l	96
42) 1,2-Dichloroethane	8.12	62	78253	20.922	ug/l	99
43) Isopropyl Acetate	8.17	43	114857	20.808	ug/l #	92
44) Trichloroethene	8.83	130	67586	20.228	ug/l	97
45) 1,2-Dichloropropane	9.12	63	62278	20.910	ug/l	99
46) Dibromomethane	9.21	93	39974	20.524	ug/l	98
47) Bromodichloromethane	9.40	83	69086	19.572	ug/l	99
48) Methyl methacrylate	9.20	41	57763	21.390	ug/l	98
49) 1,4-Dioxane	9.21	88	24747	424.472	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	371844	107.722	ug/l	99
52) Toluene	10.15	92	148285	20.494	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	63190	16.934	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	77159	18.185	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	59685	20.824	ug/l	99
56) Ethyl methacrylate	10.43	69	85859	20.534	ug/l	99
57) 1,3-Dichloropropane	10.71	76	98903	21.227	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	142952	95.972	ug/l	99
59) 2-Hexanone	10.75	43	256826	102.655	ug/l	99
60) Dibromochloromethane	10.90	129	53549	18.561	ug/l	99
61) 1,2-Dibromoethane	11.01	107	60919	20.791	ug/l	98
64) Tetrachloroethene	10.63	164	73112	21.376	ug/l	98
65) Chlorobenzene	11.43	112	164737	20.949	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54974	20.247	ug/l	99
67) Ethyl Benzene	11.51	91	274250	20.057	ug/l	100
68) m/p-Xylenes	11.62	106	207913	39.803	ug/l	98
69) o-Xylene	11.95	106	103324	20.109	ug/l	98
70) Styrene	11.96	104	162957	19.961	ug/l	100
71) Bromoform	12.13	173	35274	17.367	ug/l #	100
73) Isopropylbenzene	12.25	105	269902	22.690	ug/l	99
74) N-amyl acetate	12.07	43	89689	21.336	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	82027	22.407	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	66648m	22.969	ug/l	
77) Bromobenzene	12.53	156	71168	21.079	ug/l	96
78) n-propylbenzene	12.59	91	274962	20.610	ug/l	100
79) 2-Chlorotoluene	12.67	91	175868	22.489	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	218661	20.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	13119	15.056	ug/l #	78
82) 4-Chlorotoluene	12.77	91	160575	20.573	ug/l	100
83) tert-Butylbenzene	12.99	119	197348	22.488	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	210519	20.938	ug/l	99
85) sec-Butylbenzene	13.17	105	245607	20.788	ug/l	100
86) p-Isopropyltoluene	13.29	119	214981	20.332	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	104902	20.075	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	102007	20.293	ug/l	99
89) n-Butylbenzene	13.61	91	144680	18.471	ug/l	98
90) Hexachloroethane	13.87	117	29065	18.227	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	112508	21.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10851	20.724	ug/l	100

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APPROVED

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Quant Time: Jun 07 07:14:56 2019
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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41651	17.373	ug/l	97
94) Hexachlorobutadiene	15.01	225	37734	19.586	ug/l	97
95) Naphthalene	15.13	128	116191	18.069	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49877	18.845	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

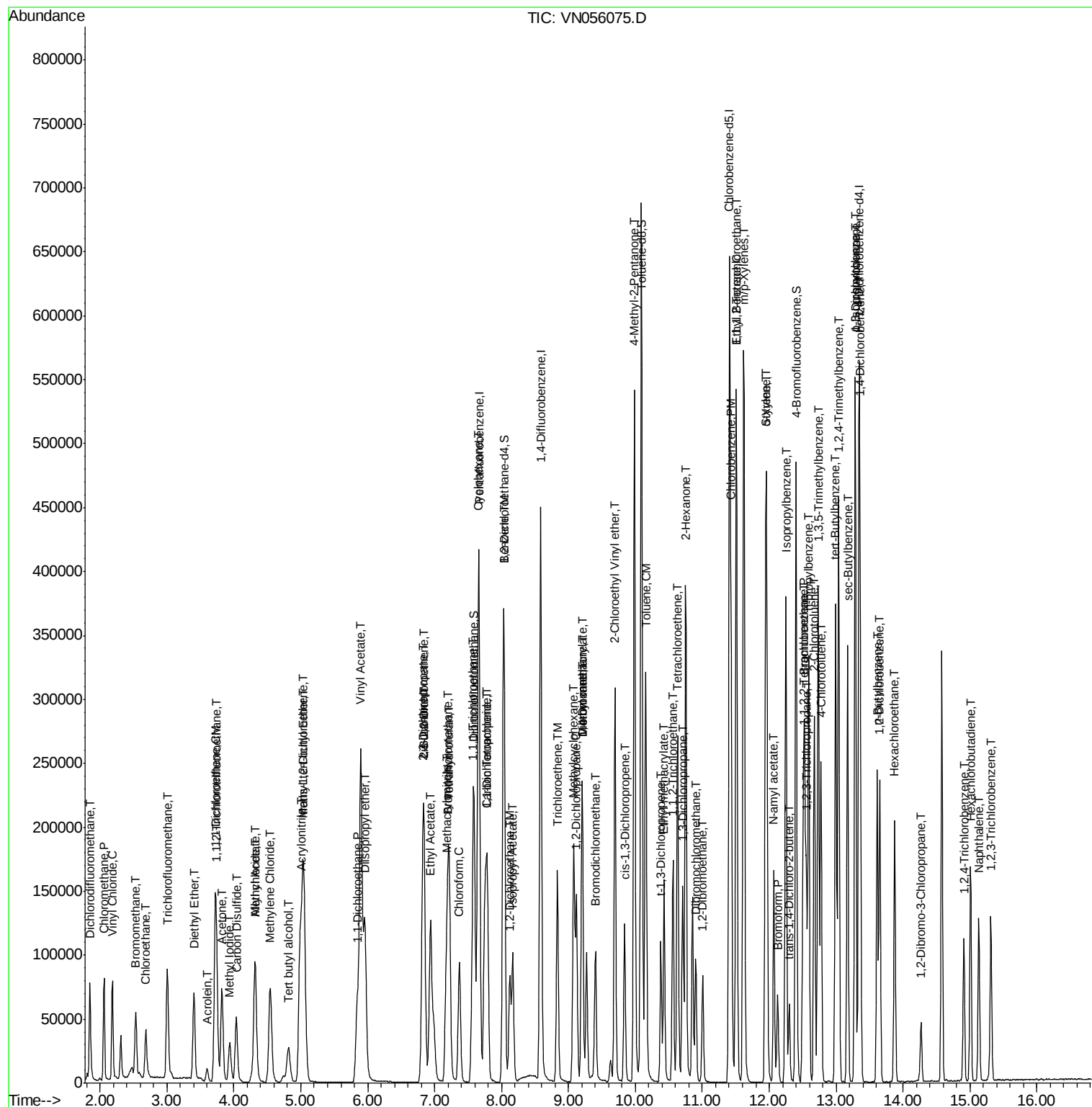
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 Data File : VN056075.D
 Acq On : 7 Jun 2019 4:19
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS02

Tot Ion:168 Resp: 291925

Ion Ratio Lower Upper

168 100

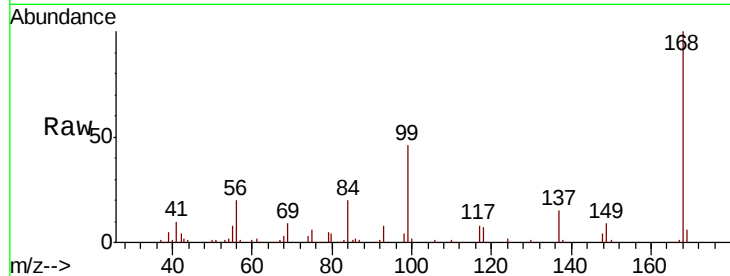
99 45.1 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

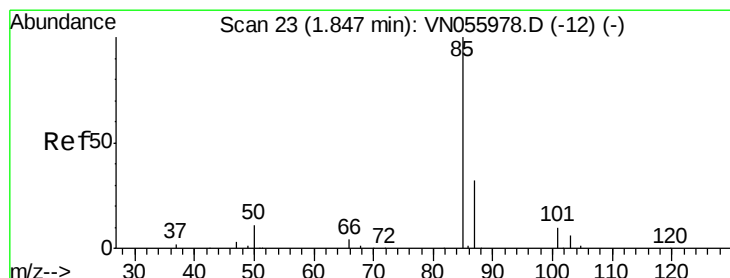
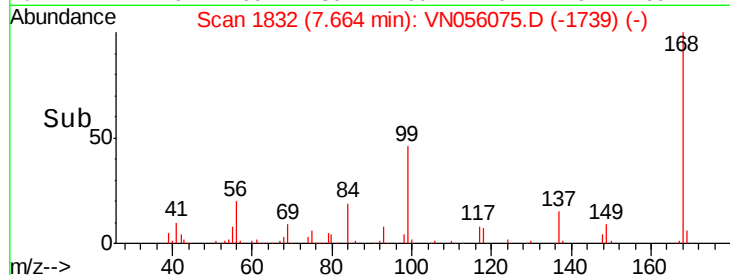
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.728 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056075.D

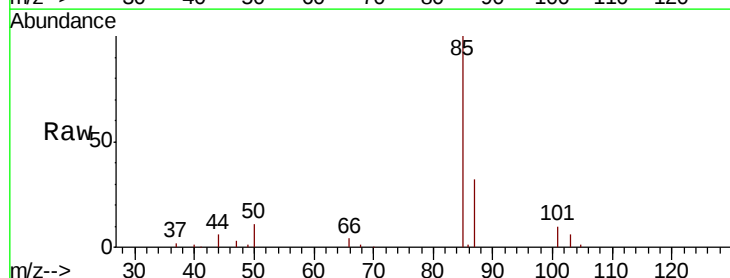
Acq: 7 Jun 2019 4:19

Tgt Ion: 85 Resp: 65807

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

50000

40000

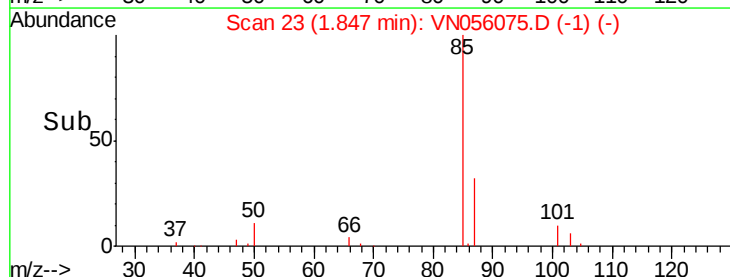
30000

20000

10000

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Time-->





#3

Chloromethane

Concen: 22.787 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS02

Tot Ion: 50 Resp: 72108

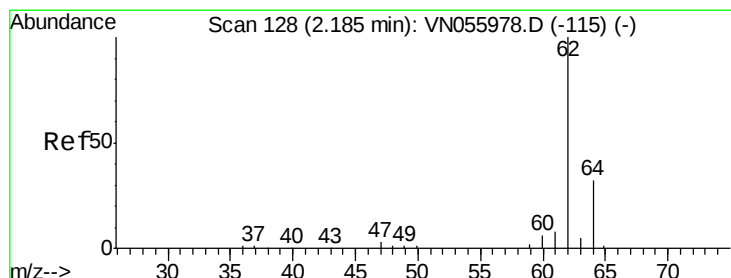
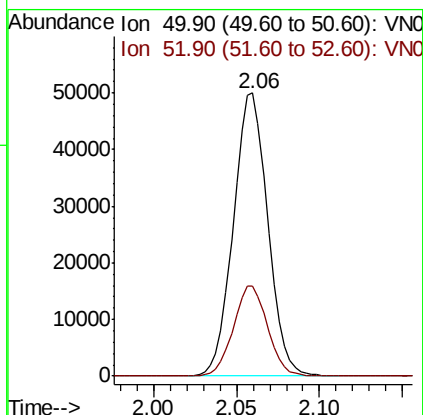
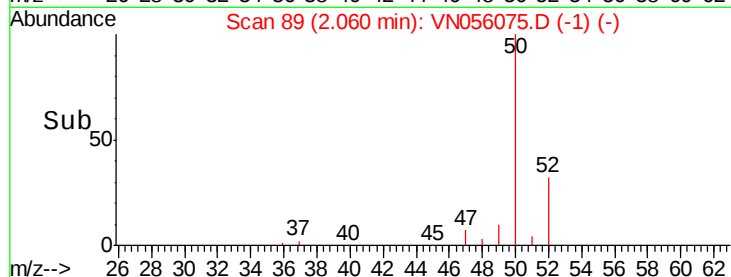
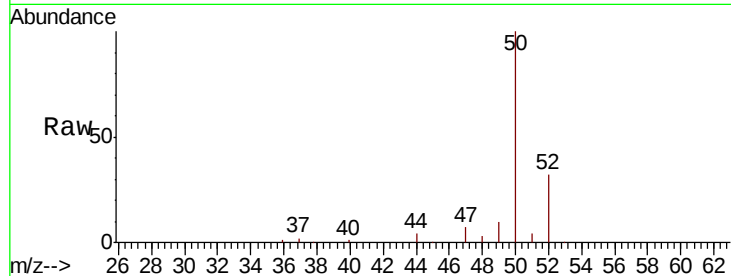
Ion Ratio Lower Upper

50 100

52 31.7 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 22.522 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056075.D

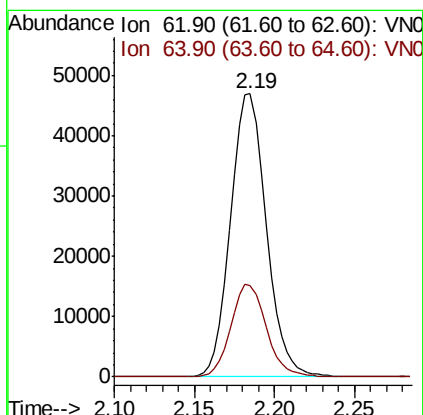
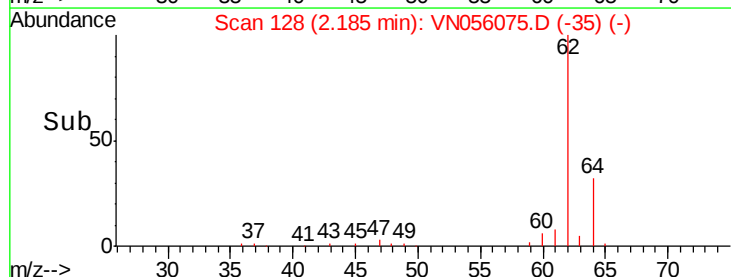
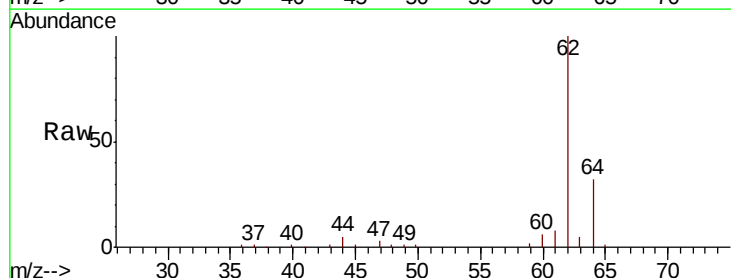
Acq: 7 Jun 2019 4:19

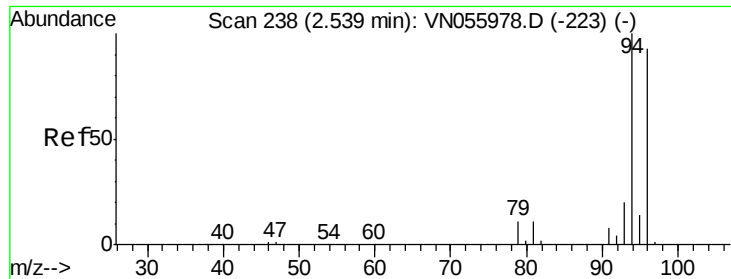
Tgt Ion: 62 Resp: 71492

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4





#5

Bromomethane

Concen: 18.193 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

Tot Ion: 94 Resp: 36479

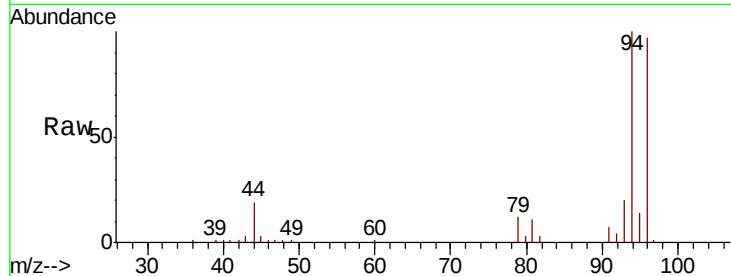
Ion Ratio Lower Upper

94 100

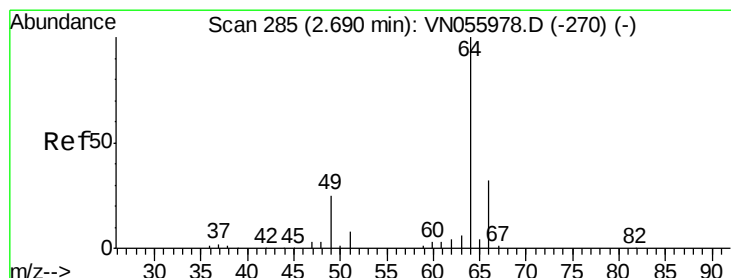
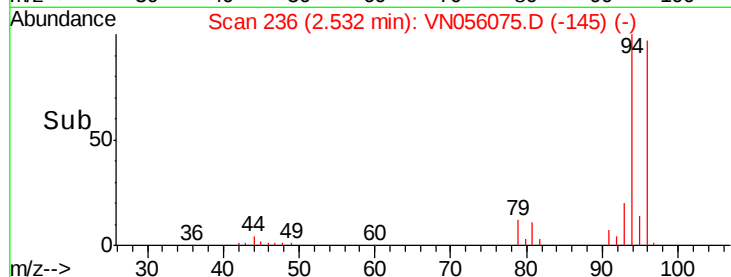
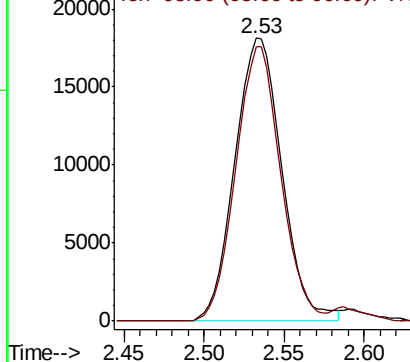
96 96.9 75.5 113.3

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 22.365 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056075.D

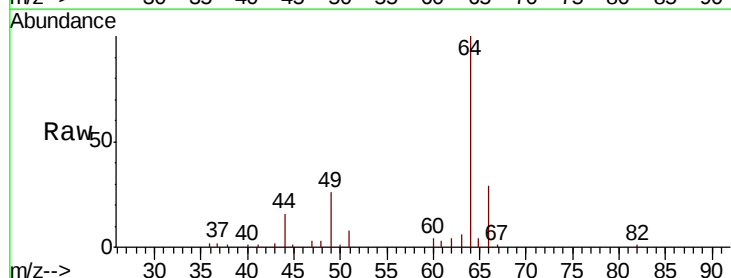
Acq: 7 Jun 2019 4:19

Tgt Ion: 64 Resp: 41162

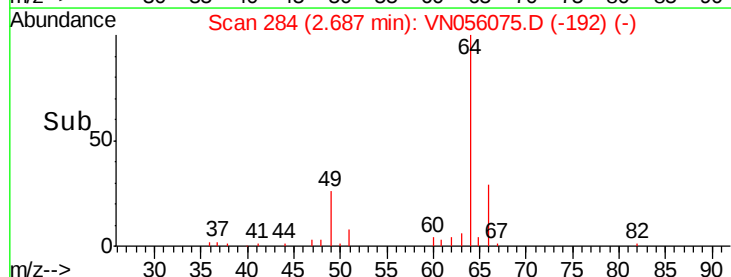
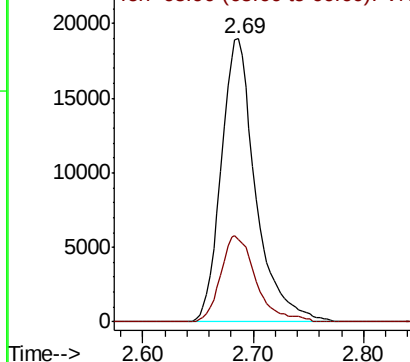
Ion Ratio Lower Upper

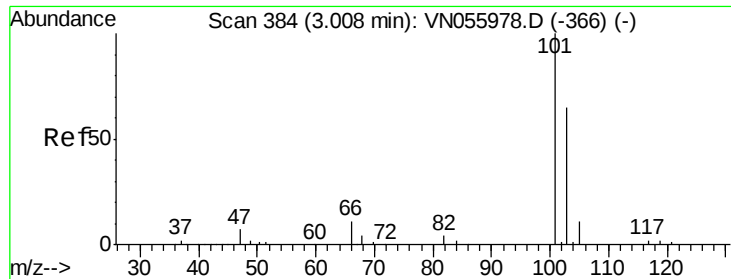
64 100

66 29.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

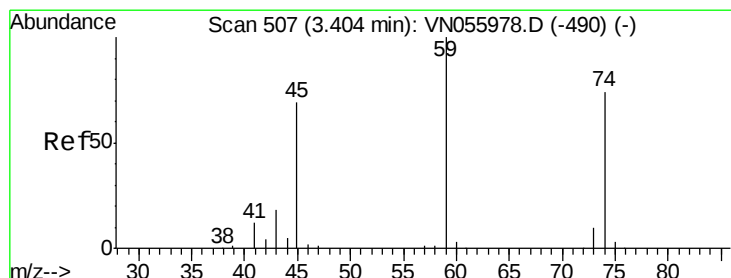
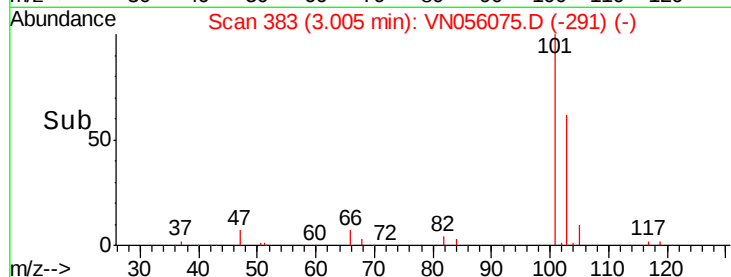
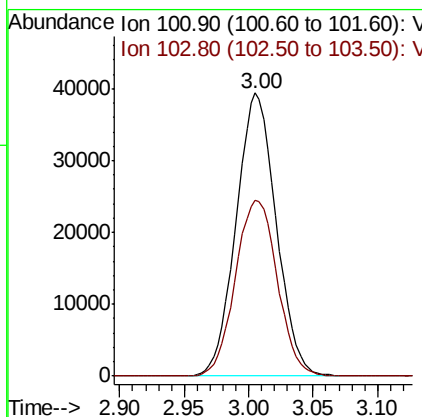
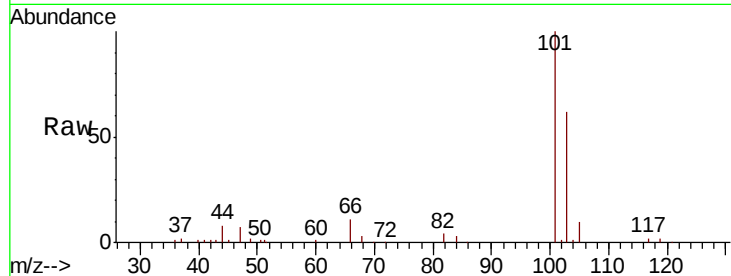
Trichlorofluoromethane
Concen: 20.999 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

Tot Ion:101 Resp: 85095
Ion Ratio Lower Upper
101 100
103 62.1 51.2 76.8

Manual Integrations
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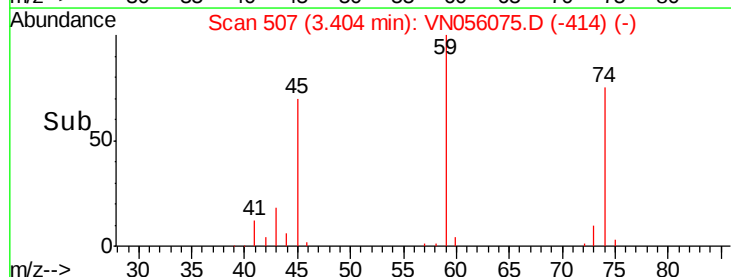
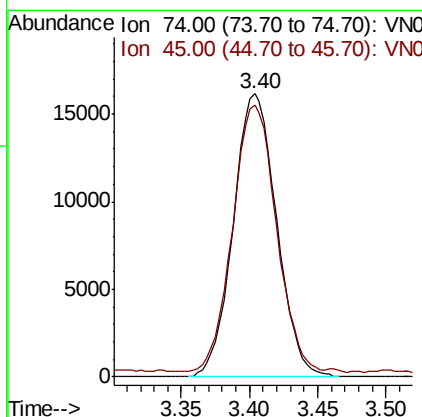
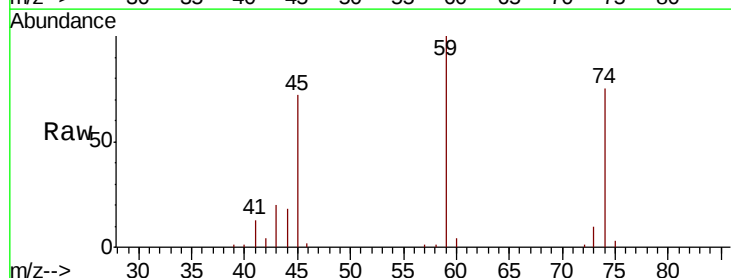
MMDadoda
6/8/2019 3:00:35 PM



#8

Diethyl Ether
Concen: 21.326 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 74 Resp: 35538
Ion Ratio Lower Upper
74 100
45 94.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.685 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

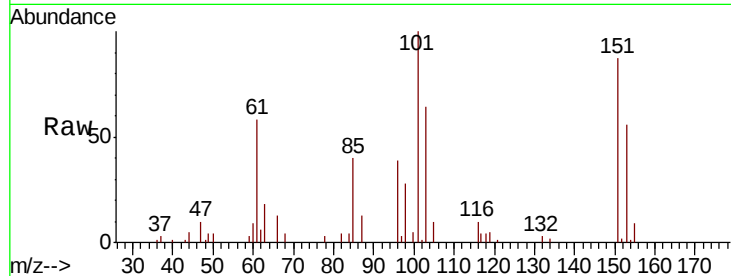
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VN0607WBS02

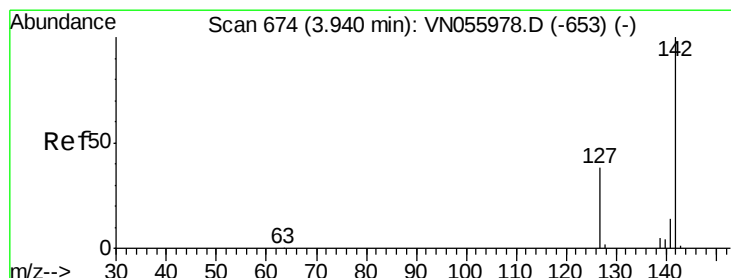
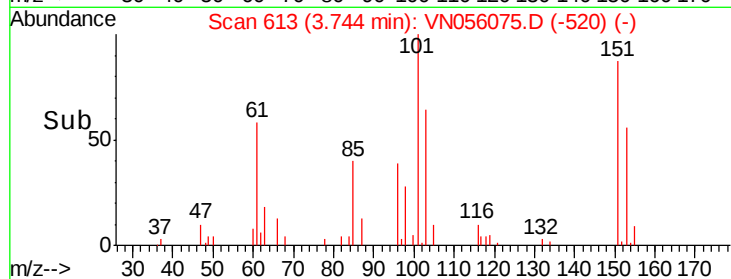
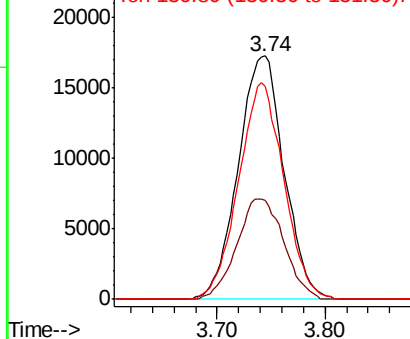
Tot Ion:	101	Resp:	50917
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.2
151	87.5	69.4	104.2

Manual Integrations
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6/8/2019 3:00:35 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.449 ug/l

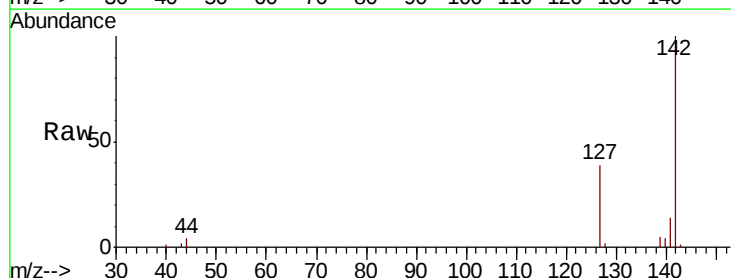
RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

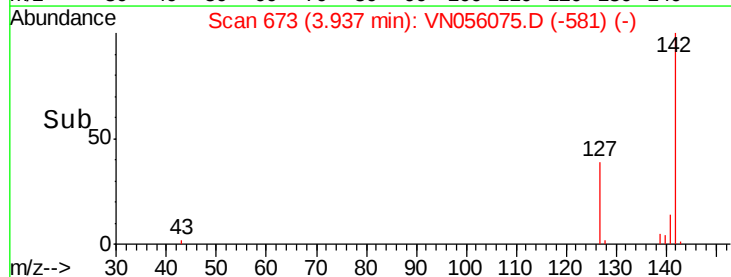
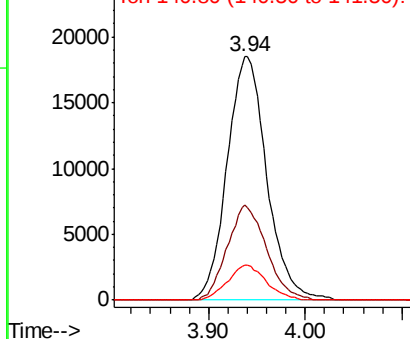
Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tgt Ion:	142	Resp:	52611
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.4
141	14.1	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

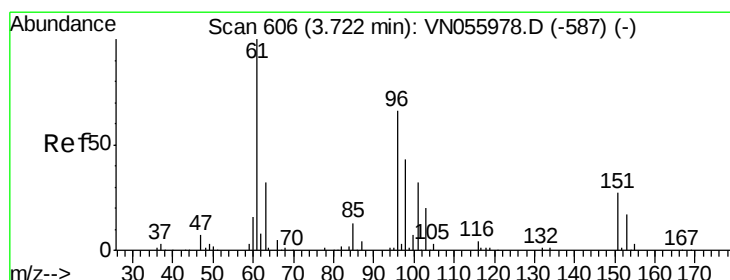
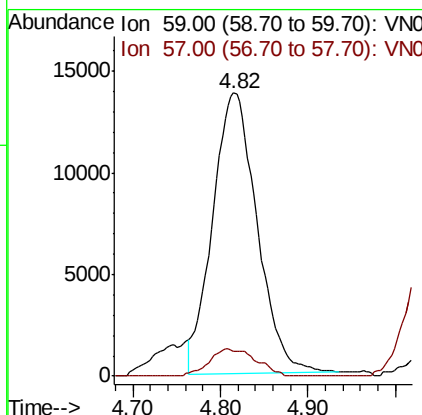
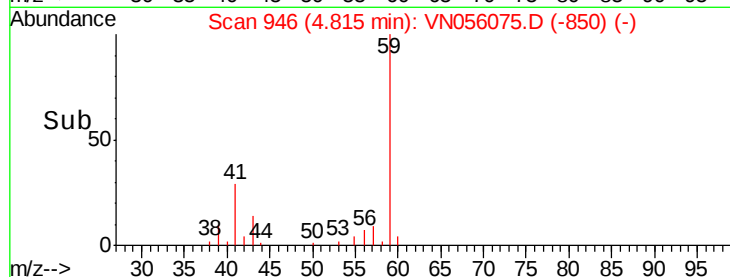
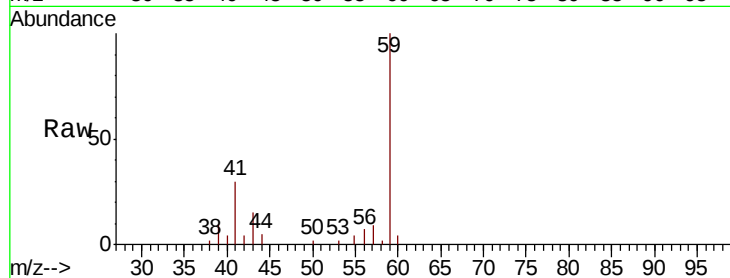
Tert butyl alcohol
Concen: 96.926 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.6

Manual Integrations
APPROVED

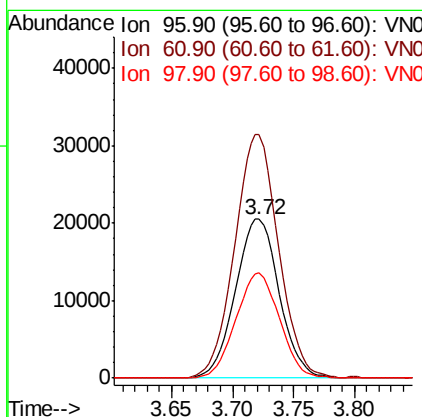
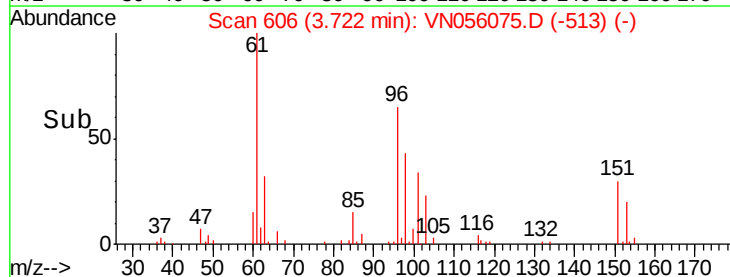
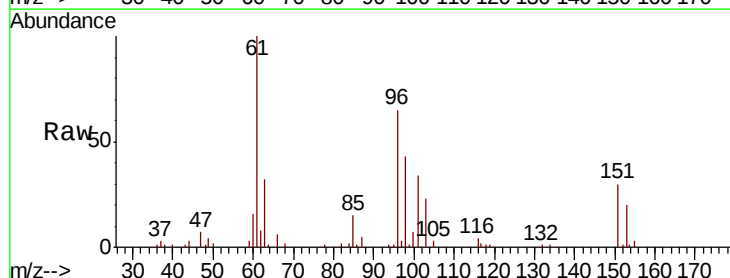
MMDadoda
6/8/2019 3:00:35 PM

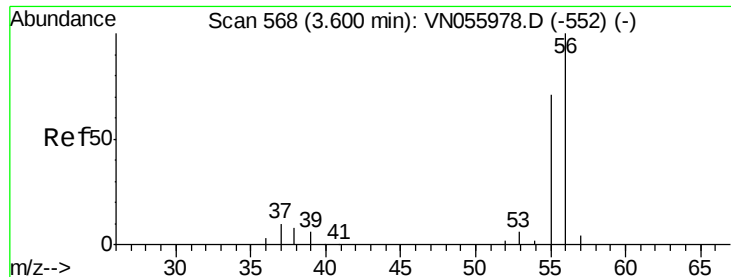


#12

1,1-Dichloroethene
Concen: 20.777 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.2	123.2	184.8
98	66.0	50.4	75.6





#13

Acrolein

Concen: 81.278 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

Tot Ion: 56 Resp: 11824

Ion Ratio Lower Upper

56 100

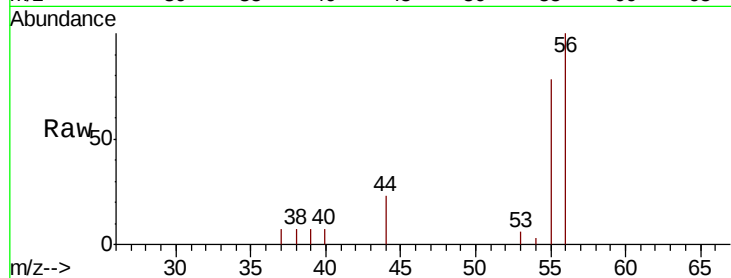
55 72.4 55.4 83.2

Manual Integrations

APPROVED

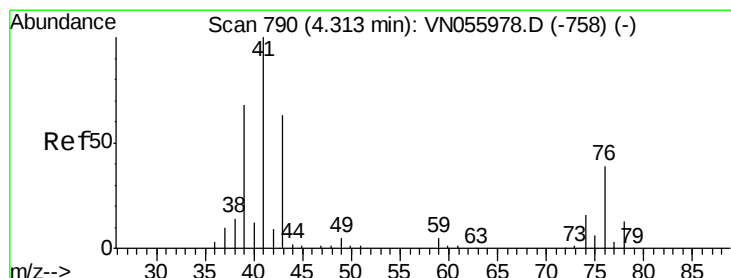
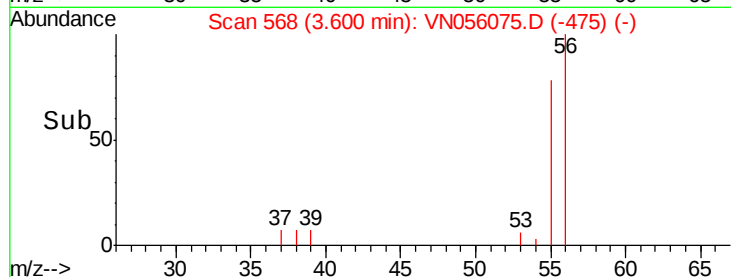
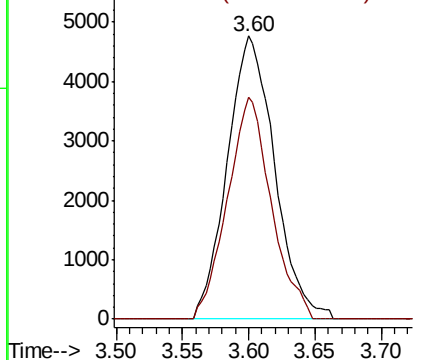
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.280 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

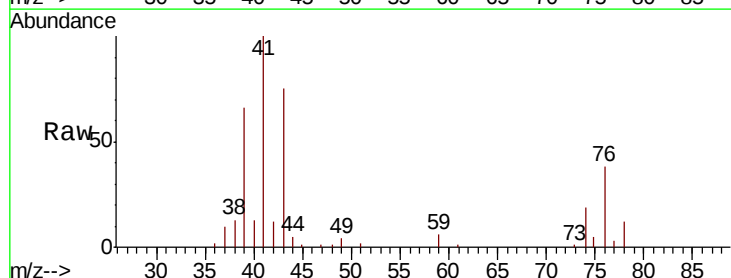
Tgt Ion: 41 Resp: 74607

Ion Ratio Lower Upper

41 100

39 62.1 50.0 75.0

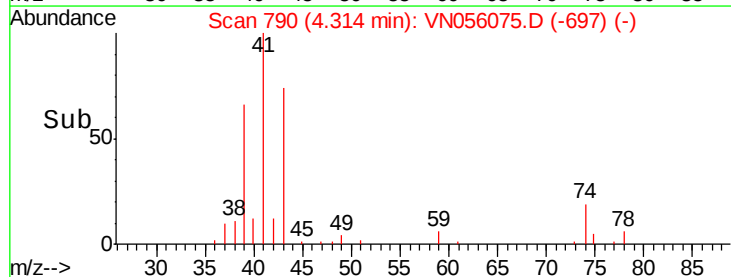
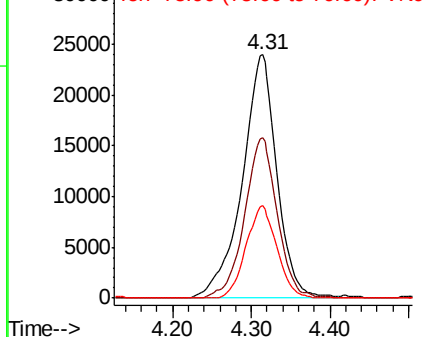
76 33.8 28.2 42.2

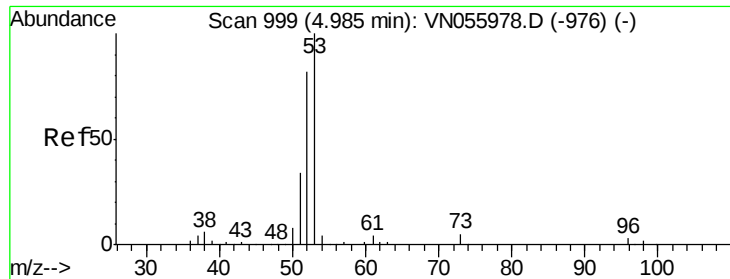


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 119.616 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

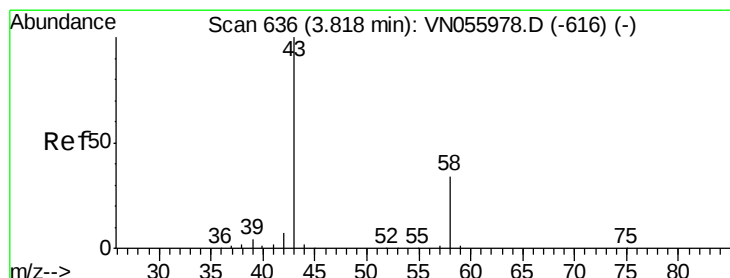
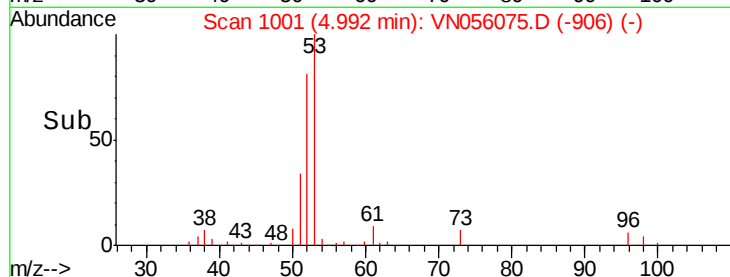
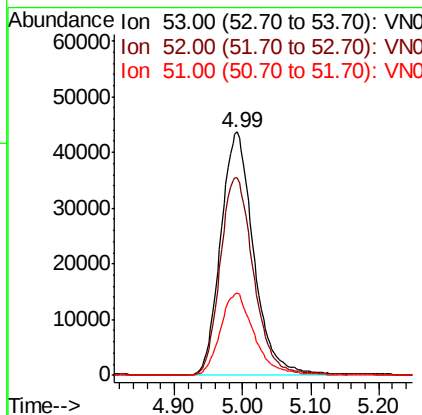
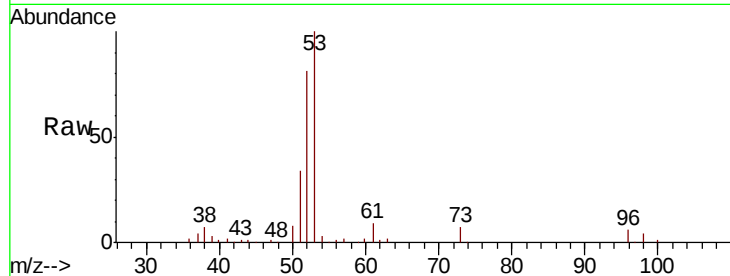
ClientSampleId :

VN0607WBS02

Tot Ion:	53	Resp:	146875
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.8	98.8
51	34.4	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 86.124 ug/l

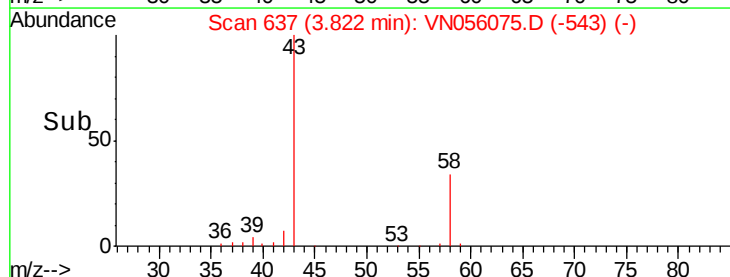
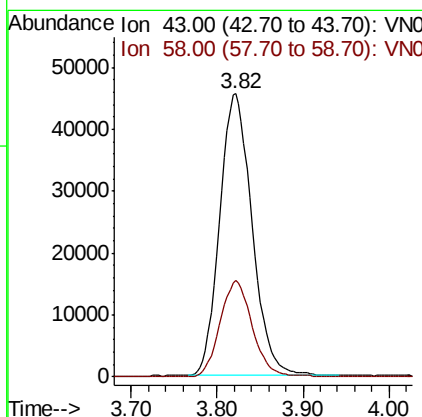
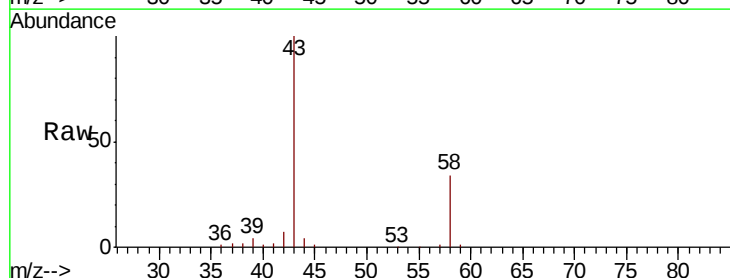
RT: 3.82 min Scan# 637

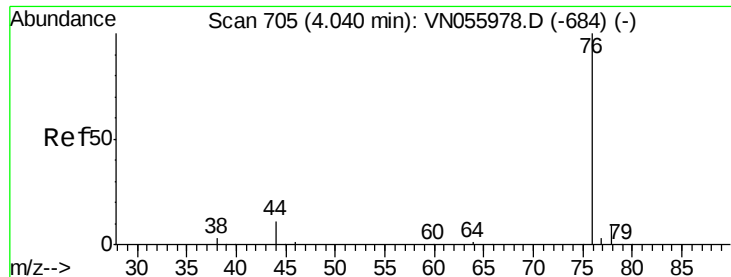
Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tgt Ion:	43	Resp:	119394
Ion Ratio	Lower	Upper	
43	100		
58	34.3	26.6	39.8





#17

Carbon Disulfide

Concen: 17.647 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tot Ion: 76 Resp: 103546

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2

Instrument :

MSVOA_N

ClientSampled :

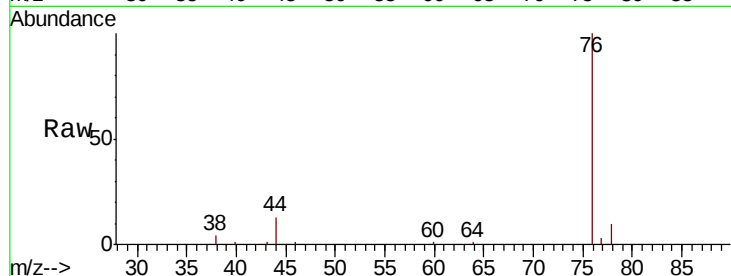
VN0607WBS02

Manual Integrations

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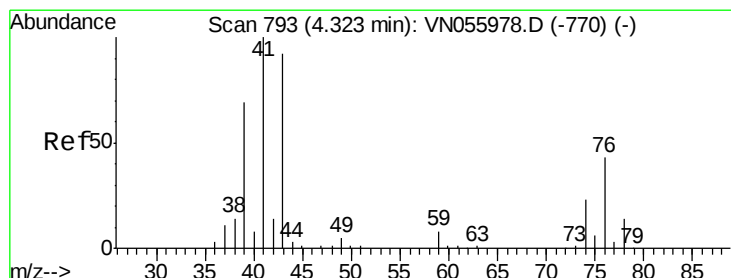
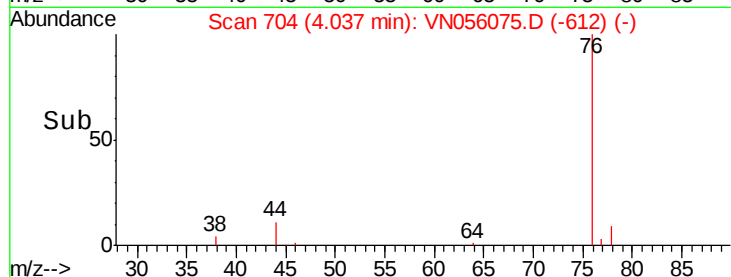
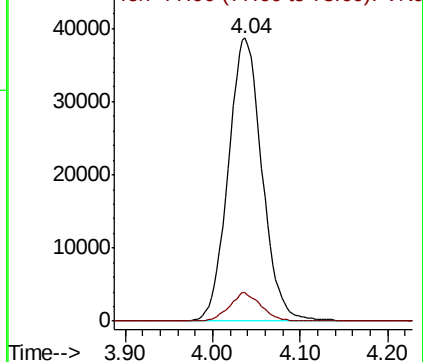
MMDadoda

6/8/2019 3:00:35 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 24.680 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056075.D

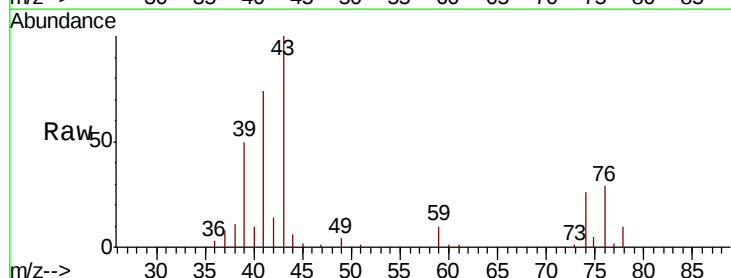
Acq: 7 Jun 2019 4:19

Tgt Ion: 43 Resp: 68004

Ion Ratio Lower Upper

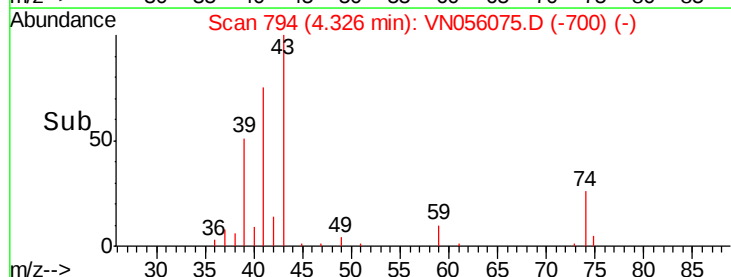
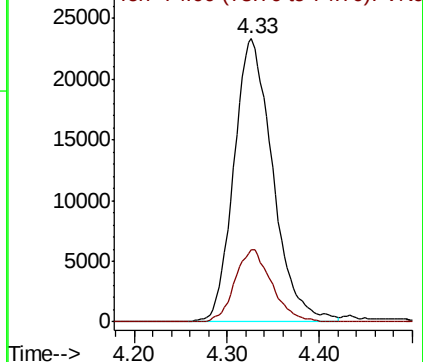
43 100

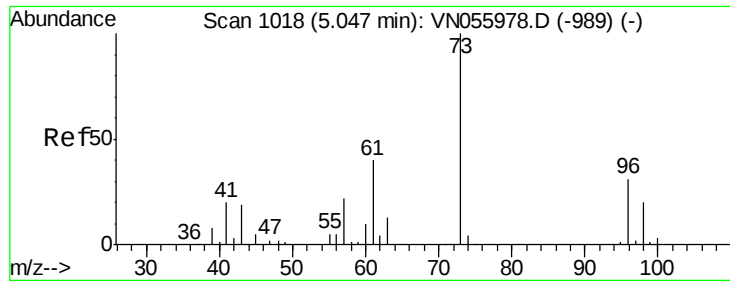
74 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





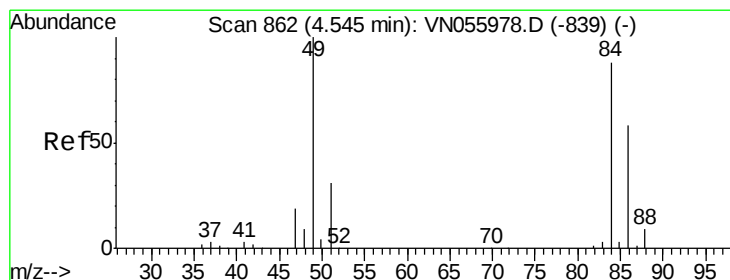
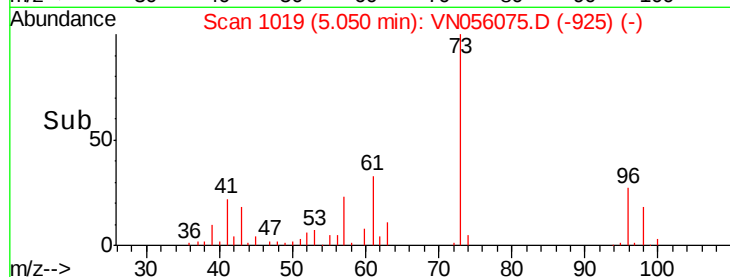
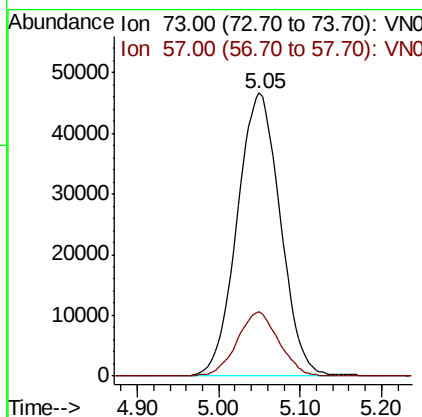
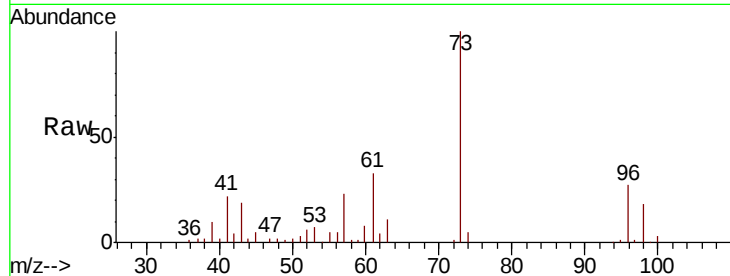
#19
Methvl tert-butvl Ether
Concen: 21.867 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

Tot Ion: 73 Resp: 170817
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.8

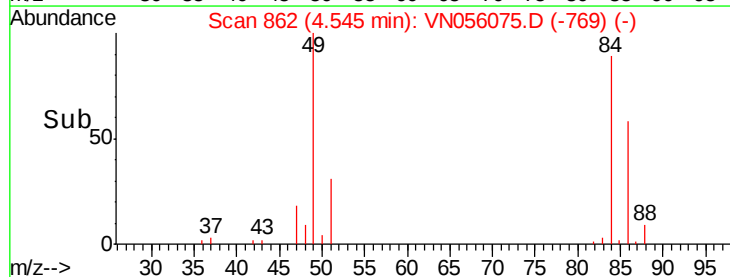
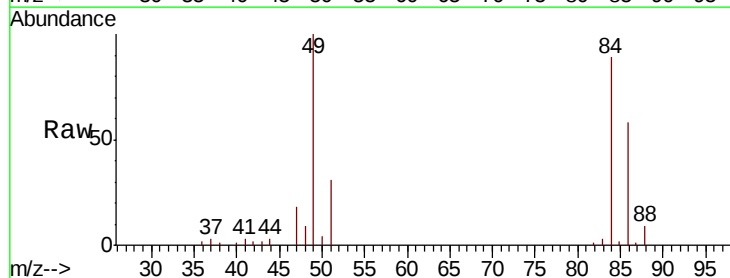
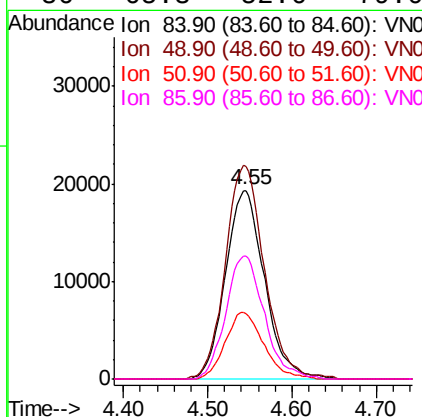
Manual Integrations
APPROVED

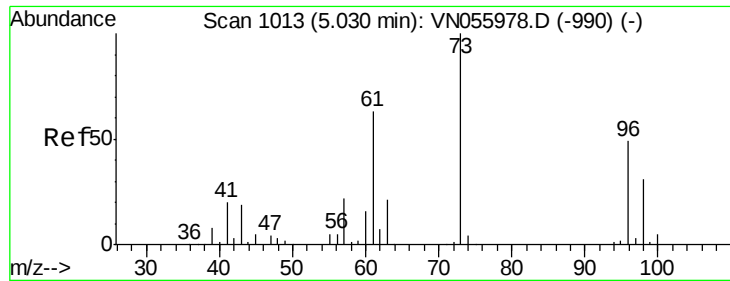
MMDadoda
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#20
Methylene Chloride
Concen: 21.759 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 84 Resp: 62146
Ion Ratio Lower Upper
84 100
49 112.8 93.5 140.3
51 34.7 28.6 43.0
86 65.3 52.6 79.0





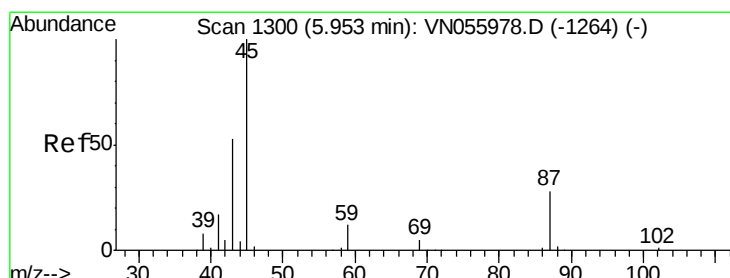
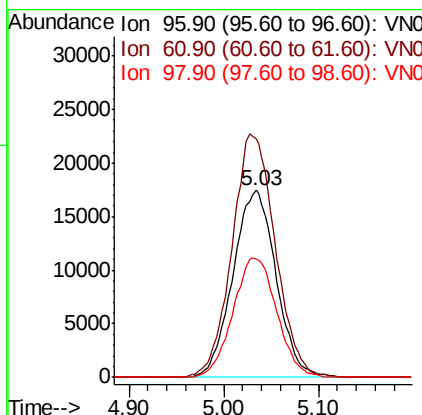
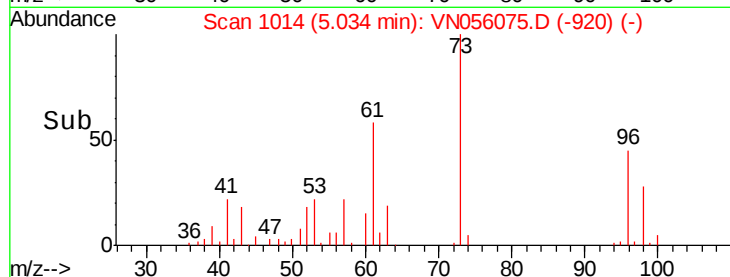
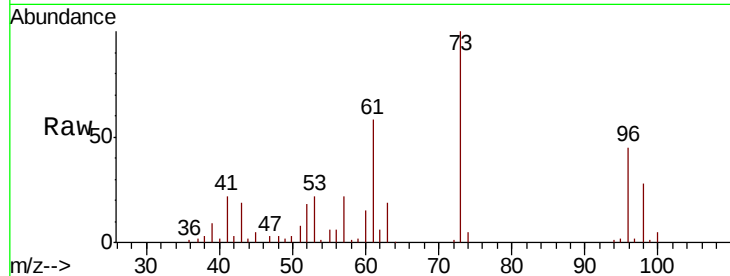
#21
trans-1,2-Dichloroethene
Concen: 21.036 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.7	107.8	161.8
98	63.2	49.8	74.8

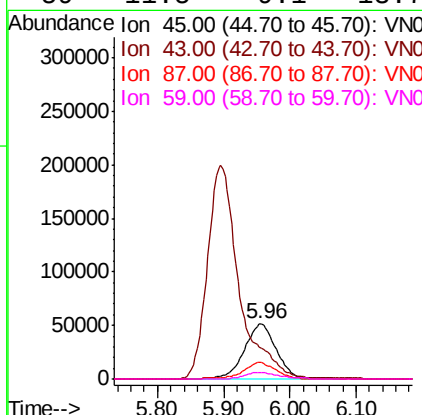
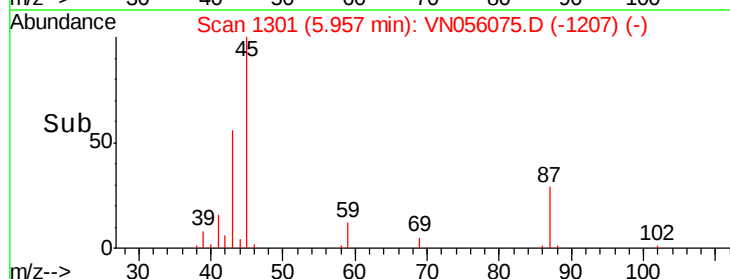
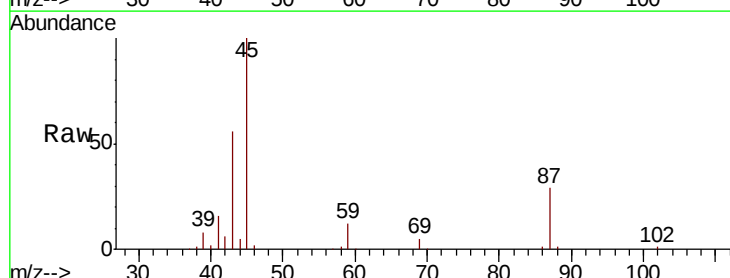
Manual Integrations
APPROVED

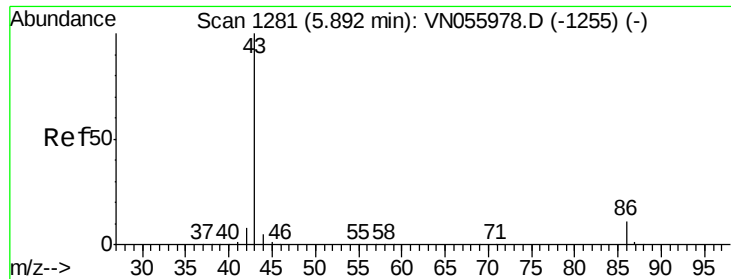
MMDadoda
6/8/2019 3:00:35 PM



#22
Diisopropyl ether
Concen: 21.796 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.1	45.0	67.6
87	28.5	22.2	33.4
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 105.525 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS02

Tot Ion: 43 Resp: 664752

Ion Ratio Lower Upper

43 100

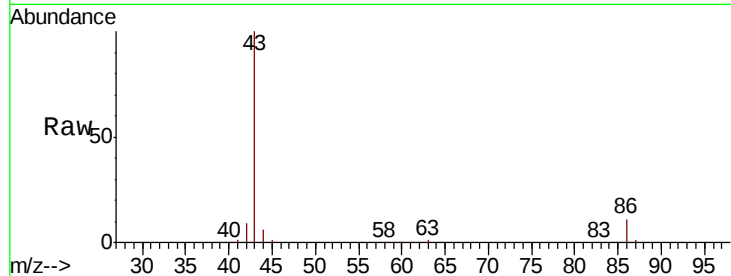
86 10.8 8.6 13.0

Manual Integrations

APPROVED

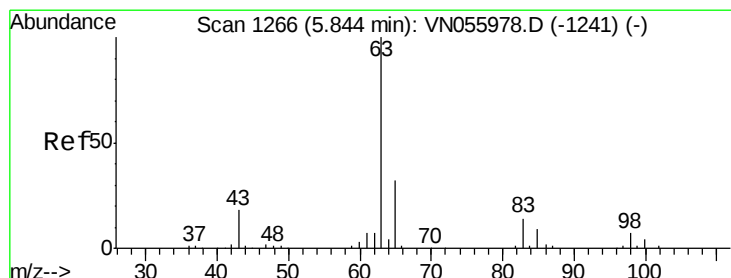
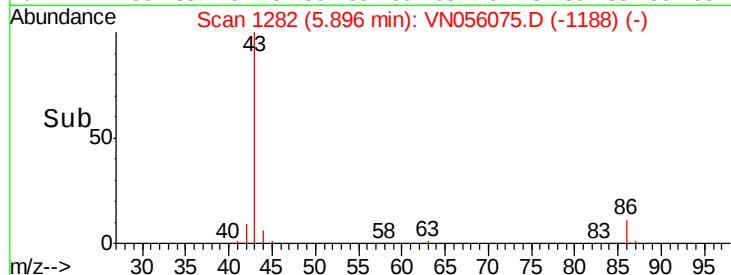
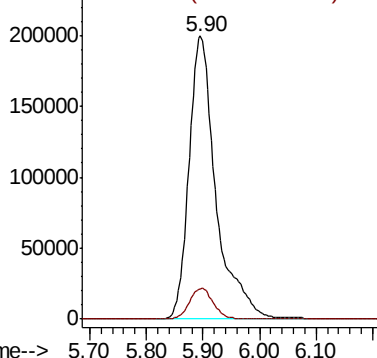
MMDadoda

6/8/2019 3:00:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.410 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

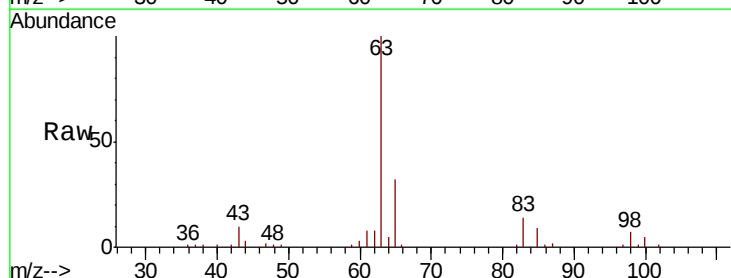
Tgt Ion: 63 Resp: 98792

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

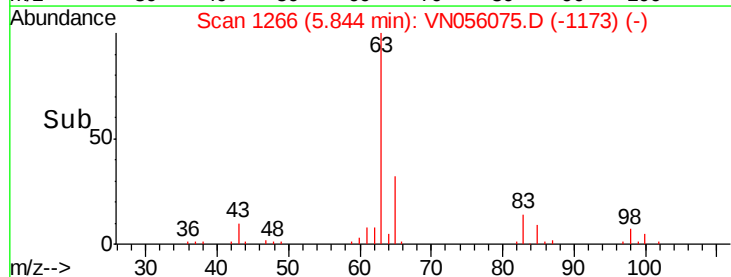
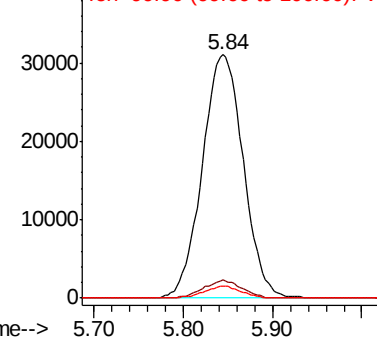
100 5.1 2.2 6.6

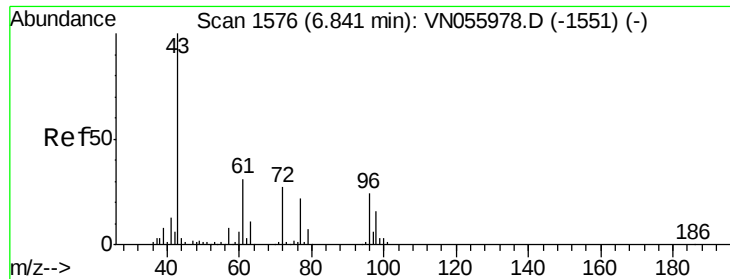


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





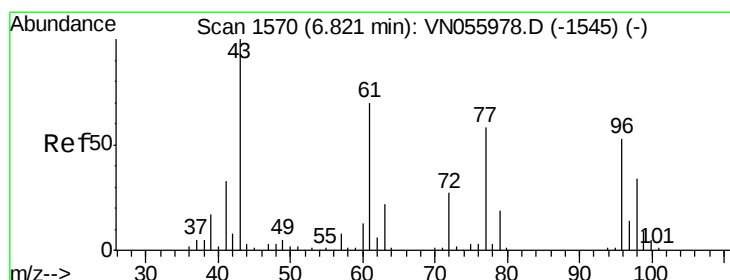
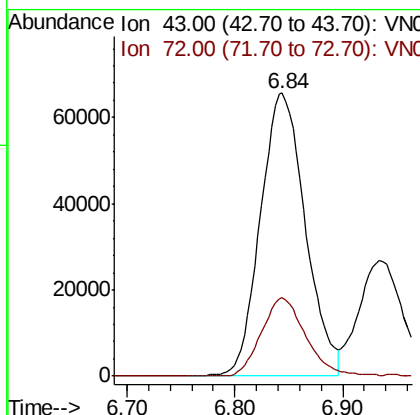
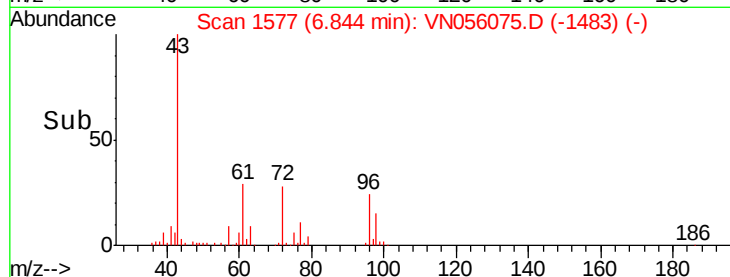
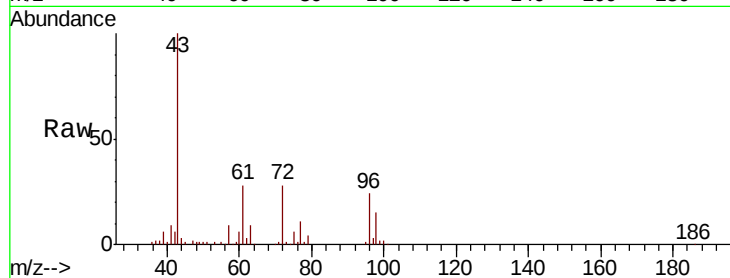
#25
2-Butanone
Concen: 108.375 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

Tot Ion: 43 Resp: 189823
Ion Ratio Lower Upper
43 100
72 27.7 21.9 32.9

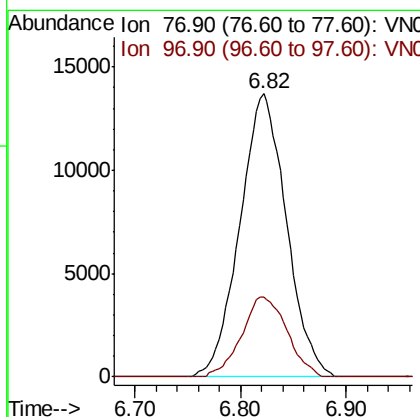
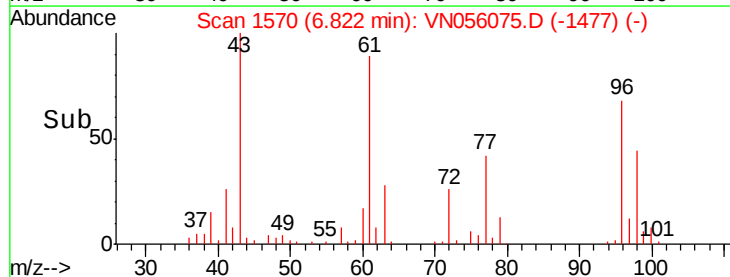
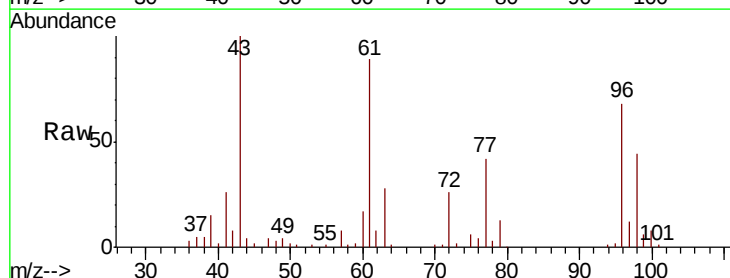
Manual Integrations
APPROVED

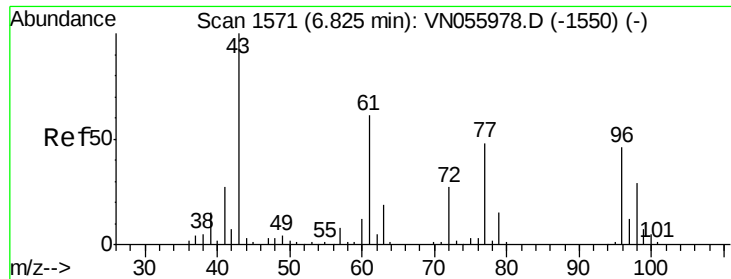
MMDadoda
6/8/2019 3:00:35 PM



#26
2,2-Dichloropropane
Concen: 11.655 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 77 Resp: 41964
Ion Ratio Lower Upper
77 100
97 27.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.536 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

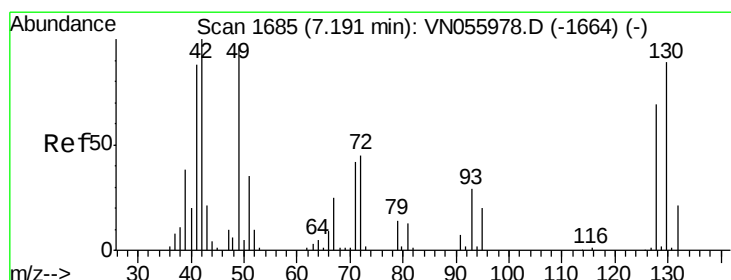
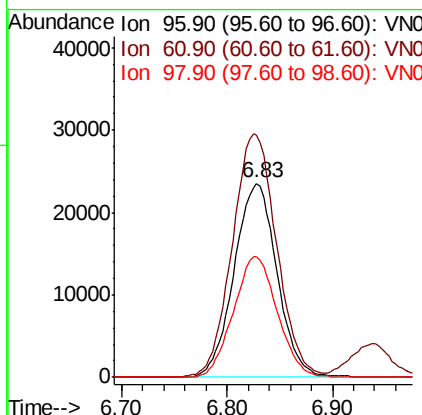
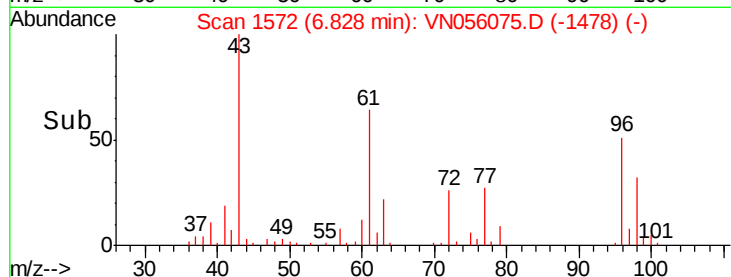
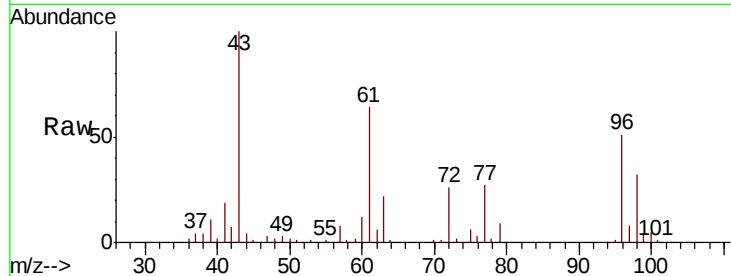
ClientSampled :

VN0607WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.9	0.0	275.8	
98	63.8	0.0	128.4	

Manual Integrations
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MMDadoda
6/8/2019 3:00:35 PM



#28

Bromochloromethane

Concen: 20.259 ug/l

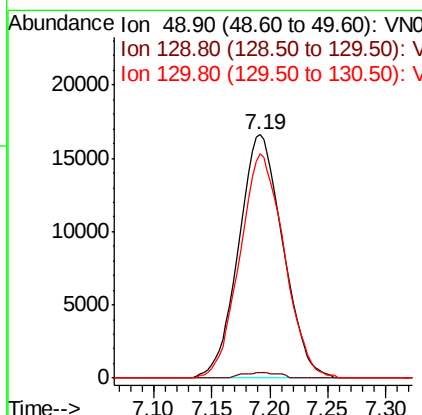
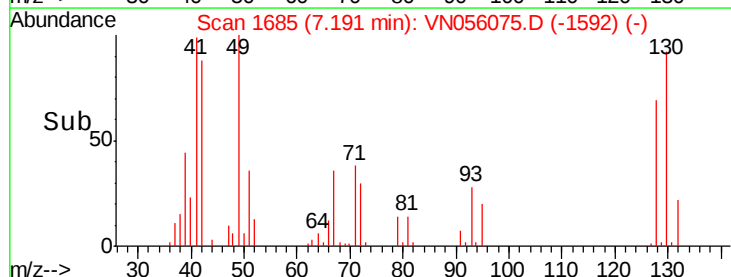
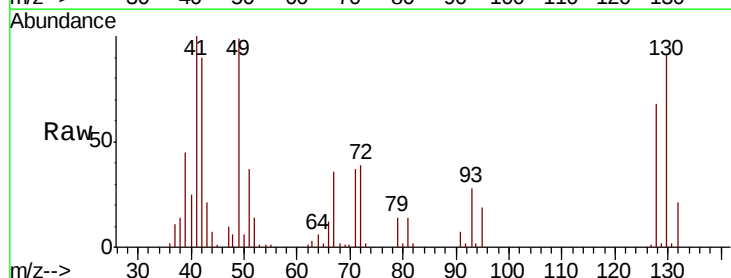
RT: 7.19 min Scan# 1685

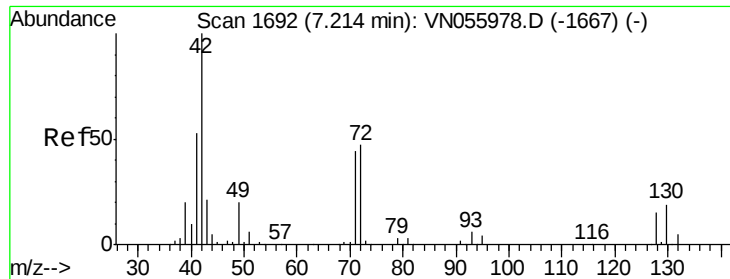
Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.4	
130	92.3	71.2	106.8	





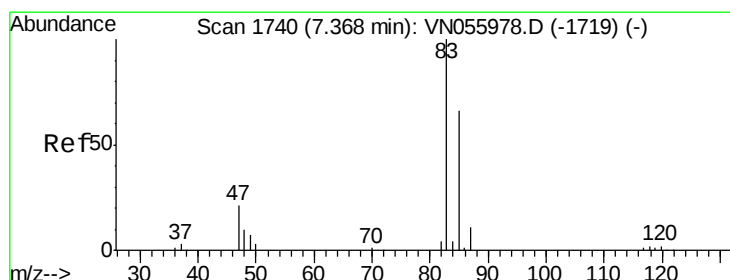
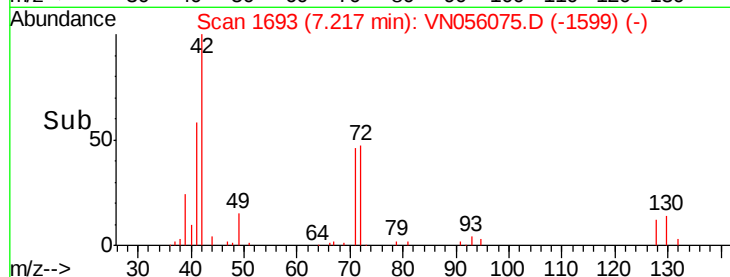
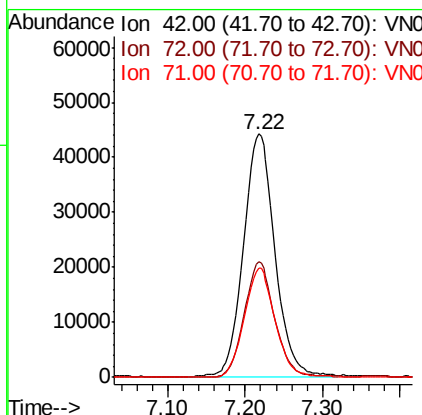
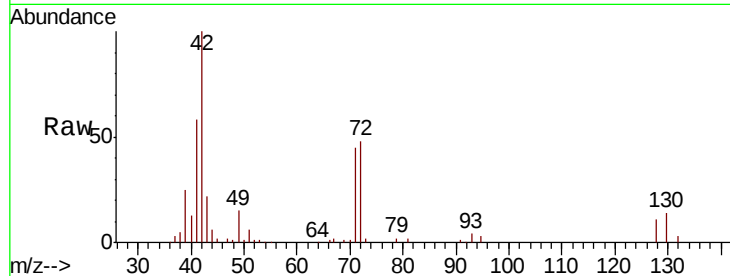
#29
Tetrahydrofuran
Concen: 116.838 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	43.7	34.0	51.0

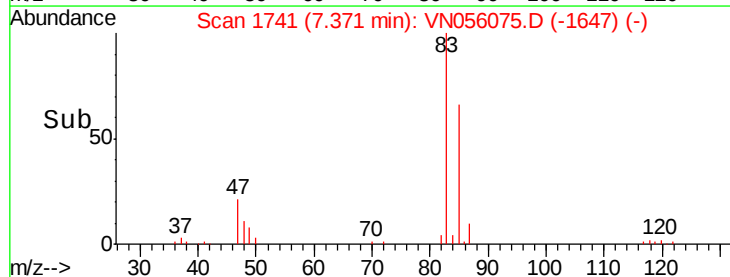
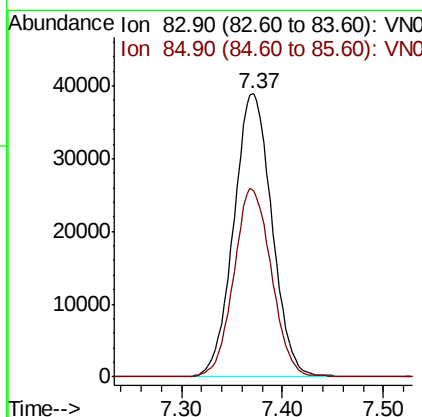
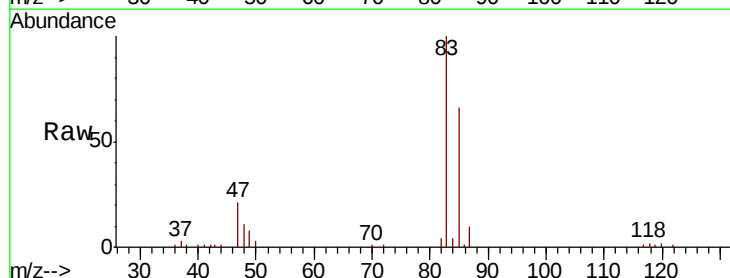
Manual Integrations
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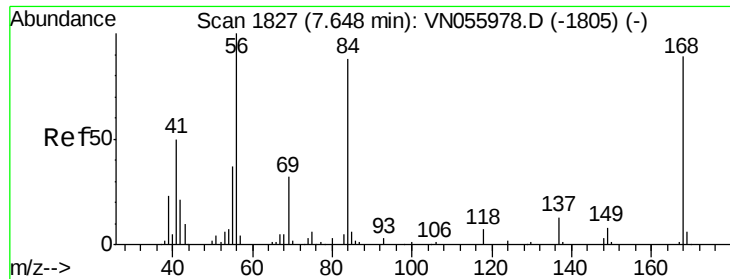
MMDadoda
6/8/2019 3:00:35 PM



#30
Chloroform
Concen: 21.990 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.8





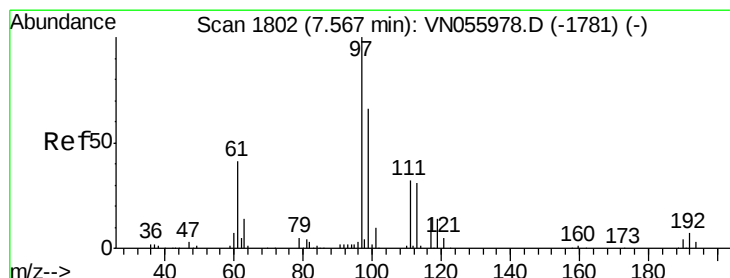
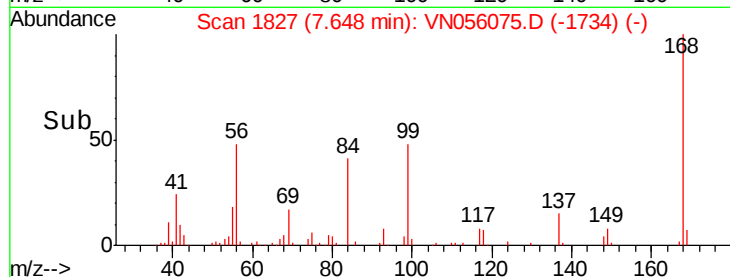
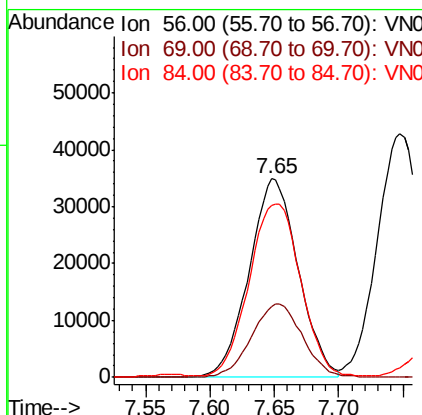
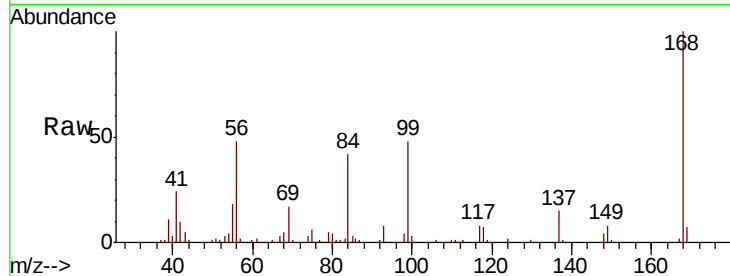
#31
Cyclohexane
Concen: 20.156 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	25.6	38.4
84	85.6	67.4	101.0

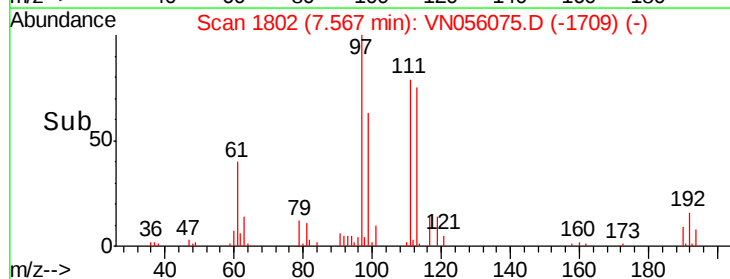
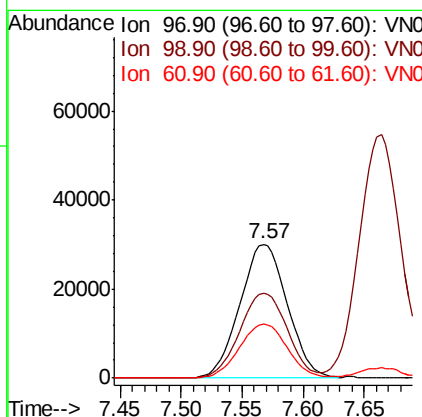
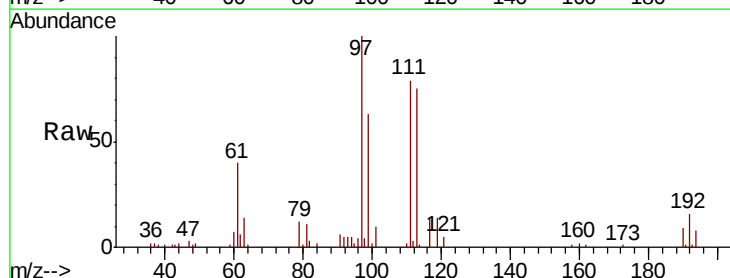
Manual Integrations
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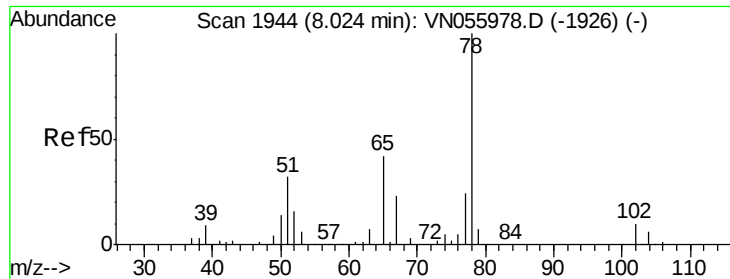
MMDadoda
6/8/2019 3:00:35 PM



#32
1,1,1-Trichloroethane
Concen: 20.859 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.0	78.0
61	40.8	32.9	49.3





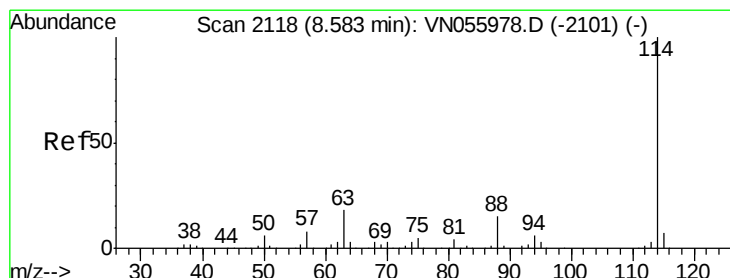
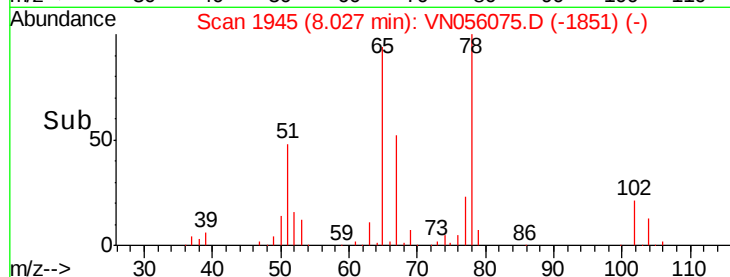
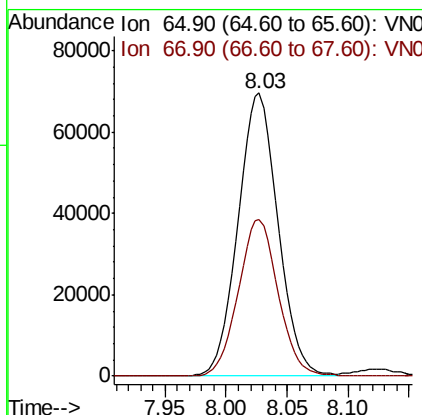
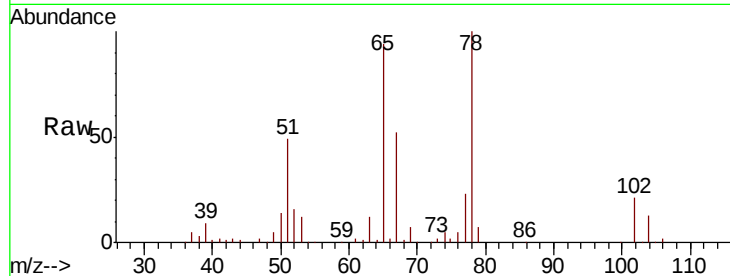
#33
 1,2-Dichloroethane-d4
 Concen: 54.363 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157576		
67	55.0	0.0	109.2	

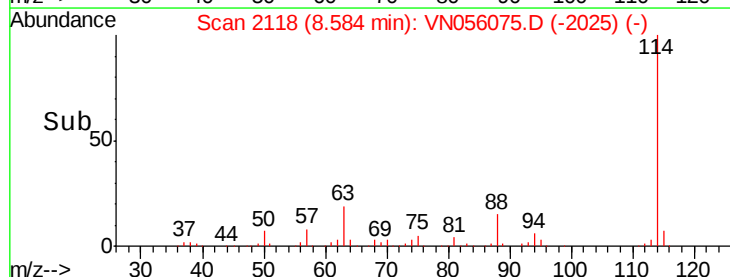
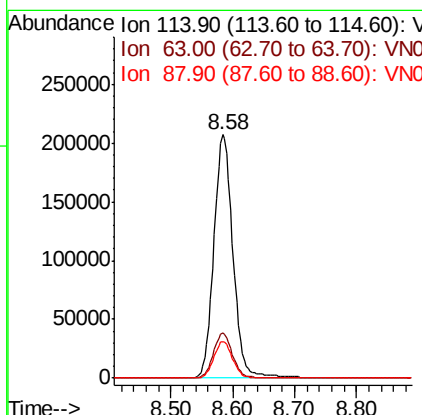
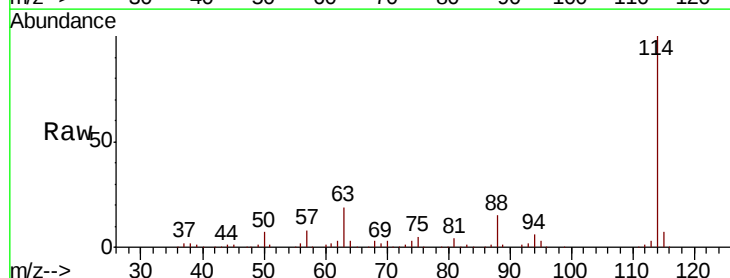
Manual Integrations
 APPROVED

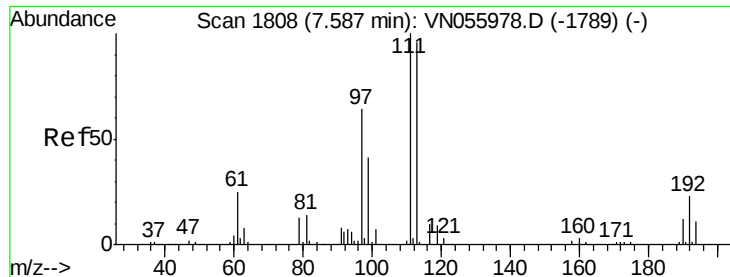
MMDadoda
 6/8/2019 3:00:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	445238		
63	18.5	0.0	39.2	
88	15.1	0.0	31.0	





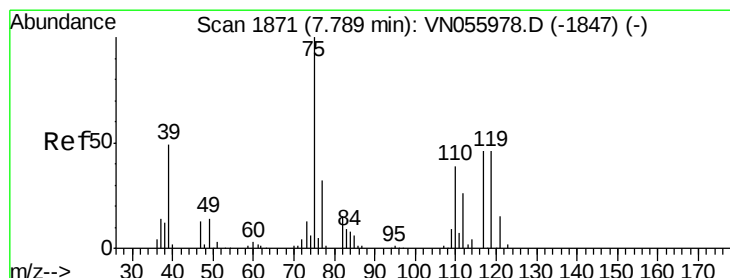
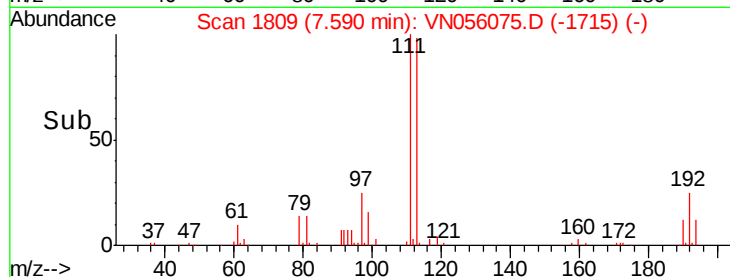
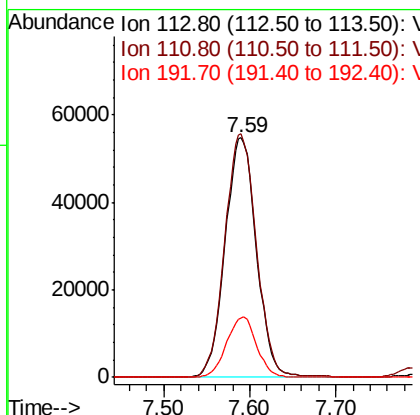
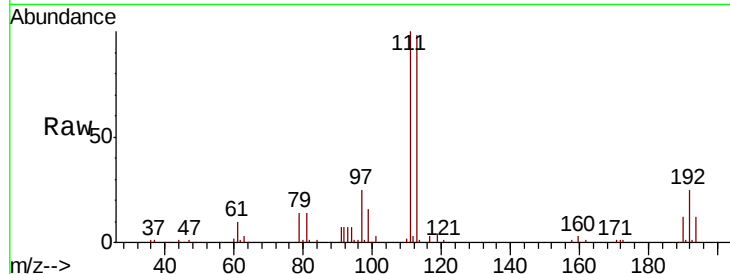
#35
 Dibromofluoromethane
 Concen: 50.662 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.9	122.9	
192	24.1	19.5	29.3	

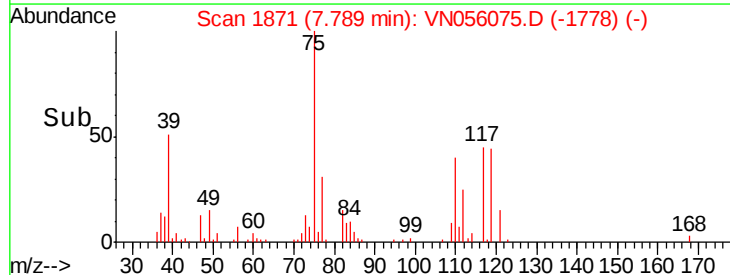
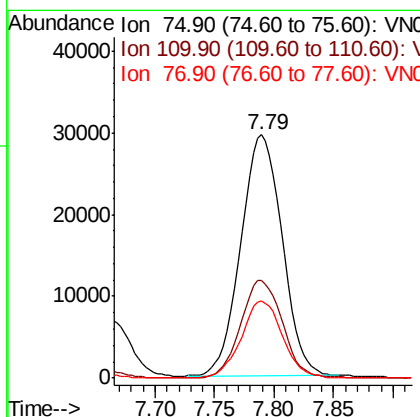
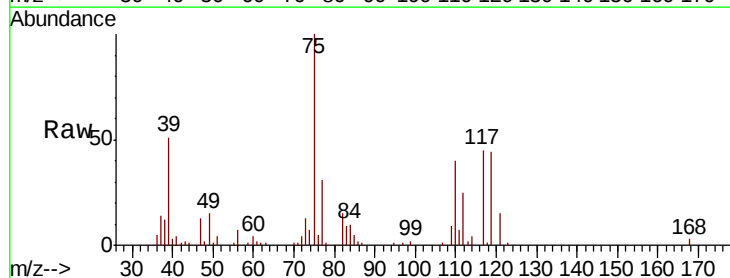
Manual Integrations
 APPROVED

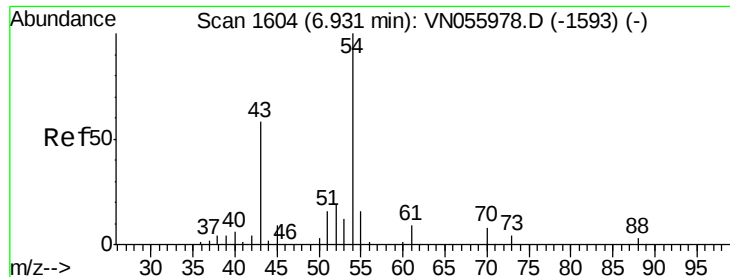
MMDadoda
 6/8/2019 3:00:35 PM



#36
 1,1-Dichloropropene
 Concen: 18.693 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	40.6	19.0	57.0	
77	31.7	25.1	37.7	





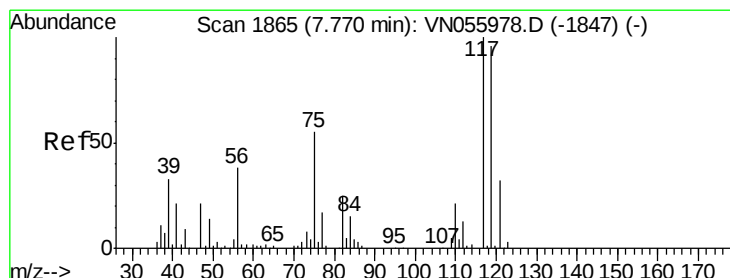
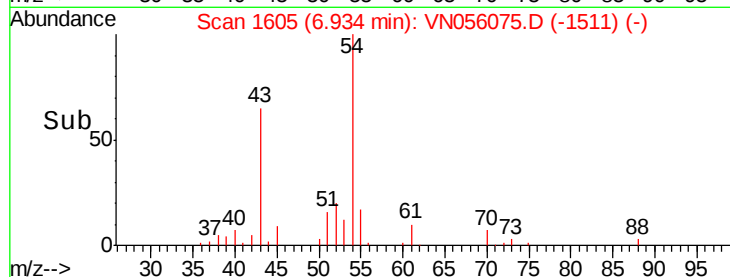
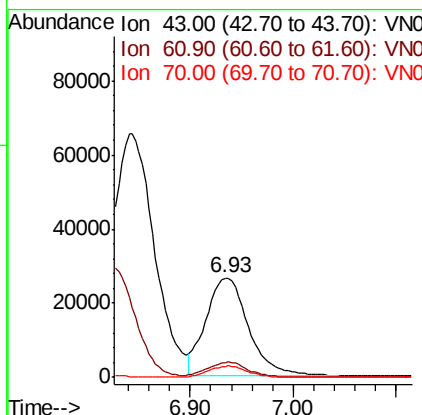
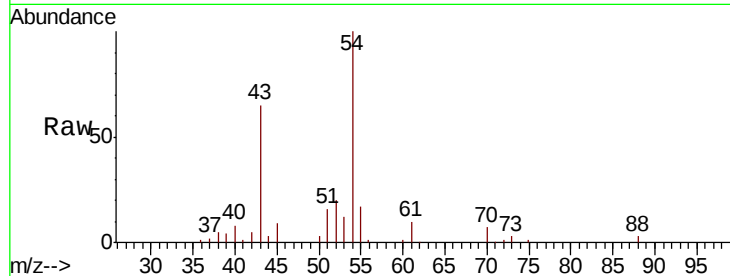
#37
Ethyl Acetate
Concen: 22.291 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.2	18.2
70	10.6	8.9	13.3

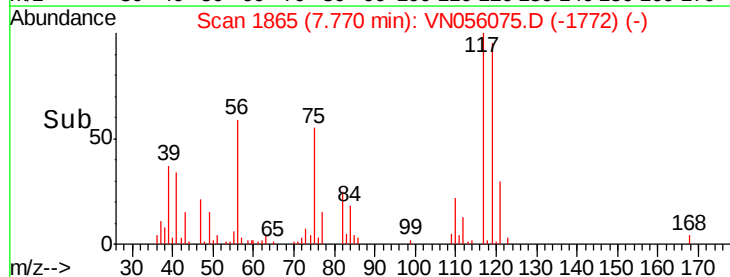
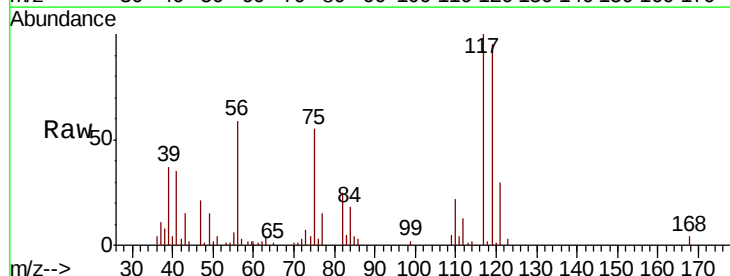
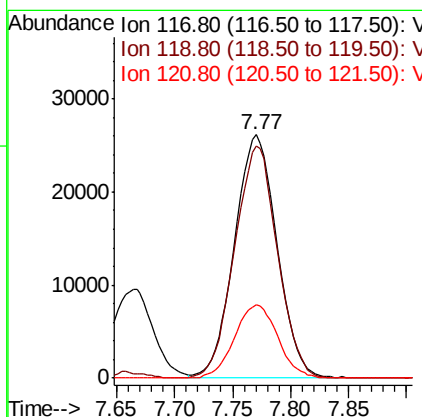
Manual Integrations
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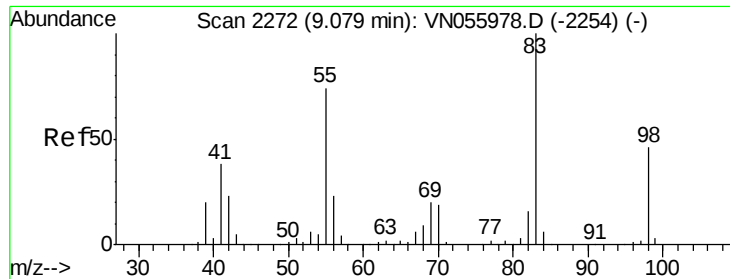
MMDadoda
6/8/2019 3:00:35 PM



#38
Carbon Tetrachloride
Concen: 18.922 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	79.0	118.6
121	29.9	24.7	37.1





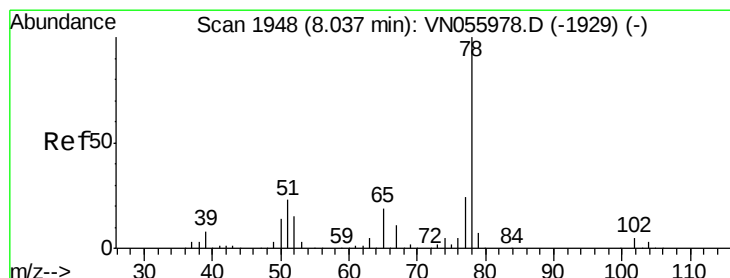
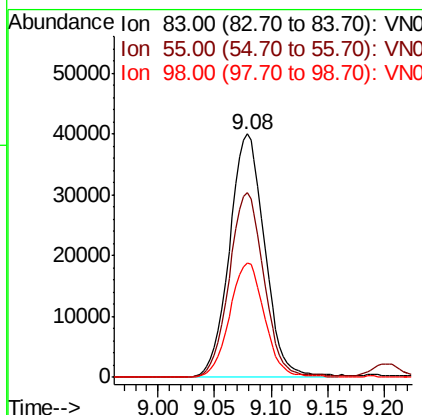
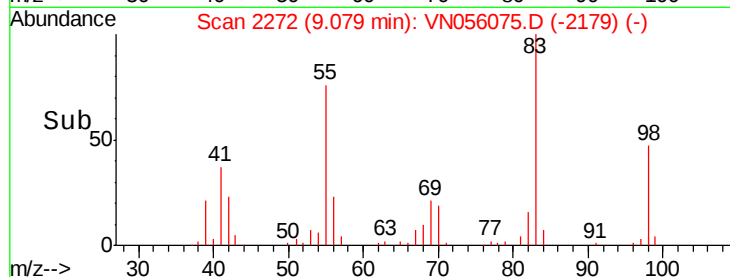
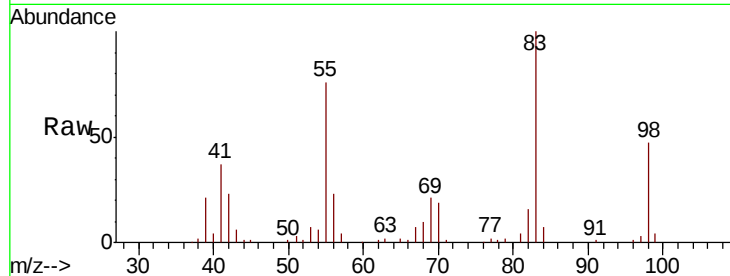
#39
Methvlcvclohexane
Concen: 18.237 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

Tot Ion	83	Resp	86974
Ion Ratio	100	Lower	Upper
83	100		
55	76.1	59.3	88.9
98	46.8	36.6	54.8

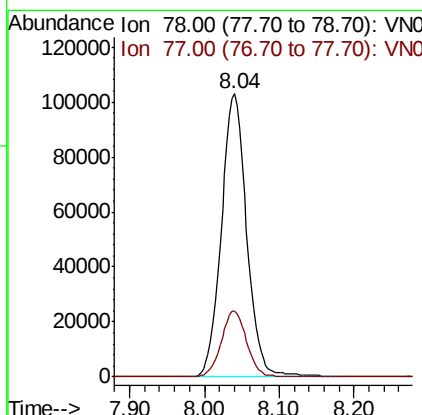
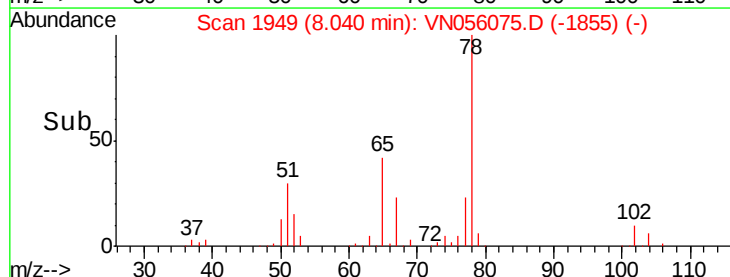
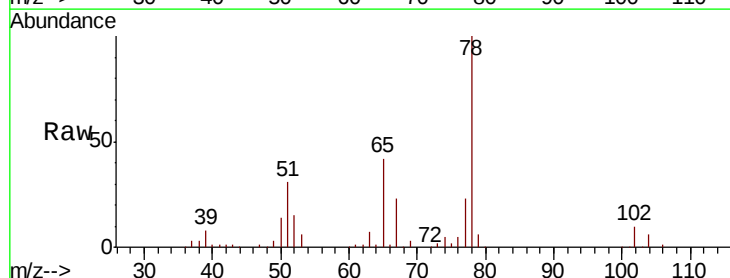
Manual Integrations
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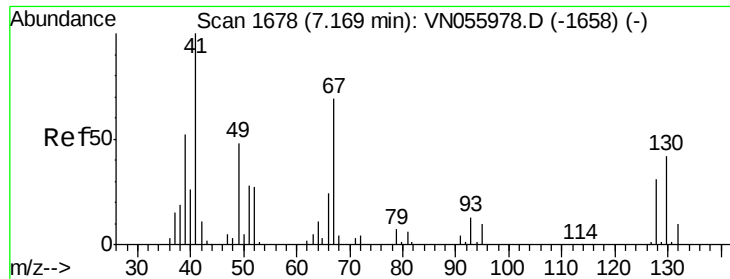
MMDadoda
6/8/2019 3:00:35 PM



#40
Benzene
Concen: 20.747 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	78	Resp	241242
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.8	28.2





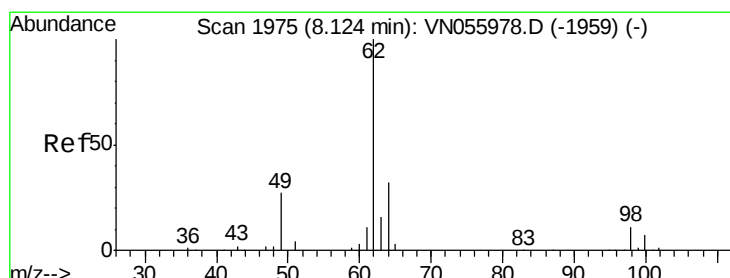
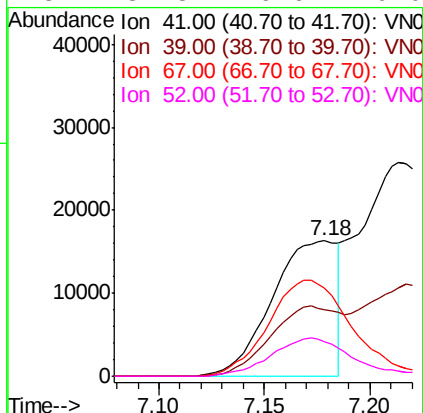
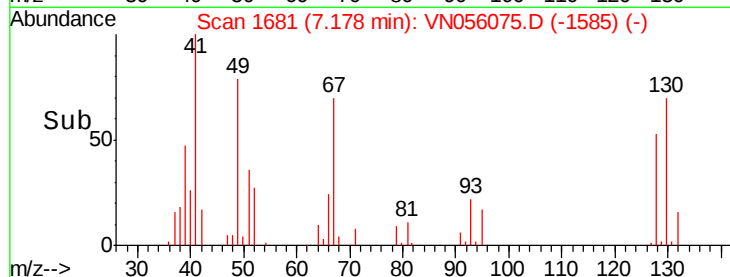
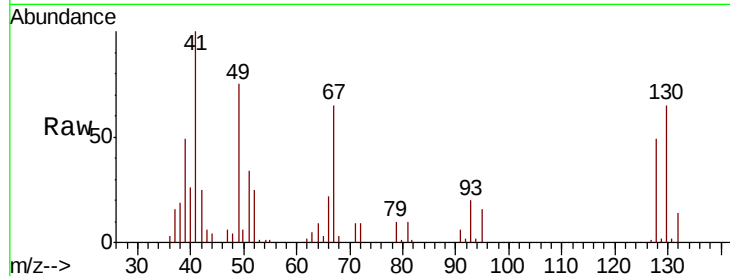
#41
Methacrylonitrile
Concen: 22.400 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion	41	Resp	35106
Ion Ratio	Lower	Upper	
41	100		
39	55.6	45.6	68.4
67	90.6	67.7	101.5
52	34.8	26.6	40.0

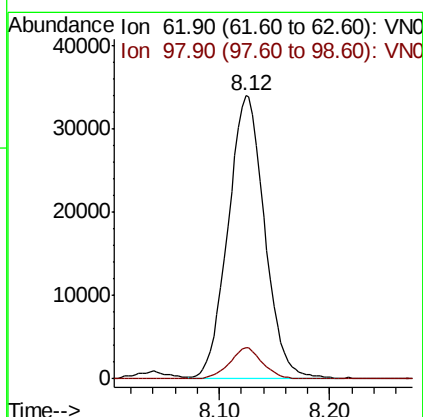
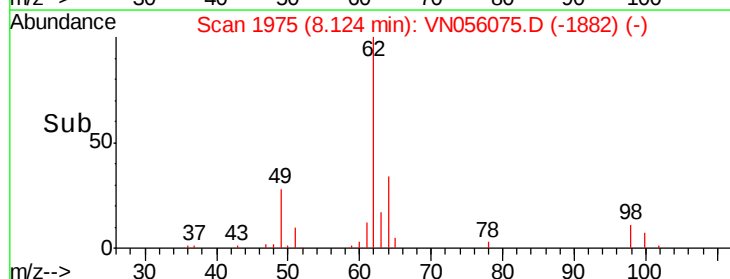
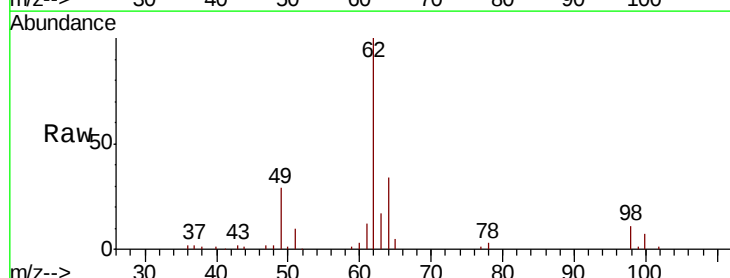
Manual Integrations
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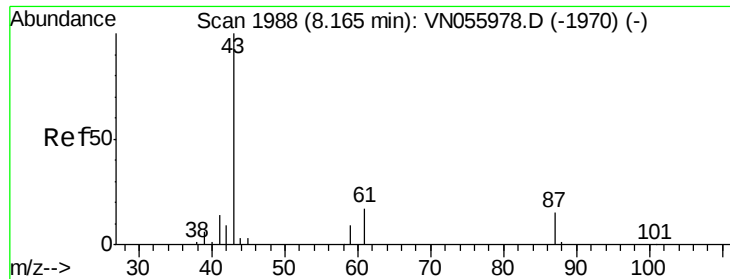
MMDadoda
6/8/2019 3:00:35 PM



#42
1,2-Dichloroethane
Concen: 20.922 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	62	Resp	78253
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.808 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

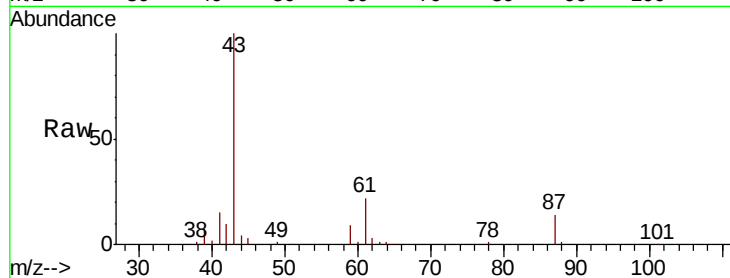
ClientSampled :

VN0607WBS02

Tot Ion:	43	Resp:	114857
Ion Ratio	Lower	Upper	
43	100		
61	21.8	22.2	33.4#
87	14.5	11.4	17.2

Manual Integrations
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6/8/2019 3:00:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

8.17

60000

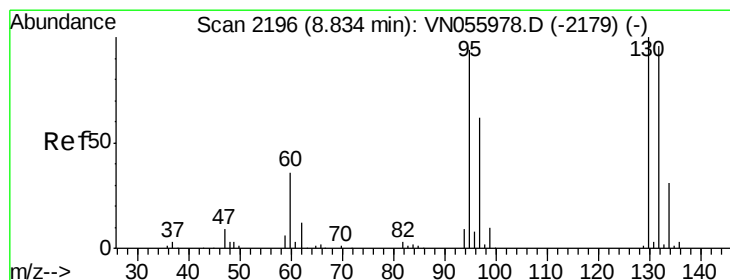
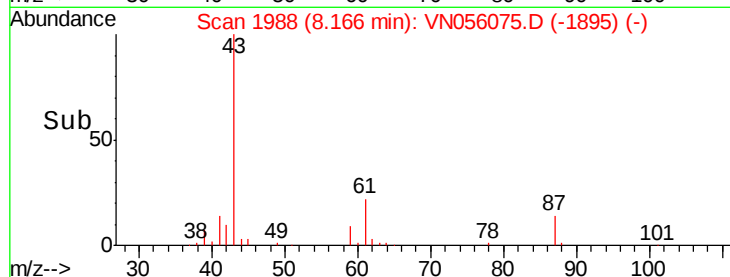
40000

20000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 20.228 ug/l

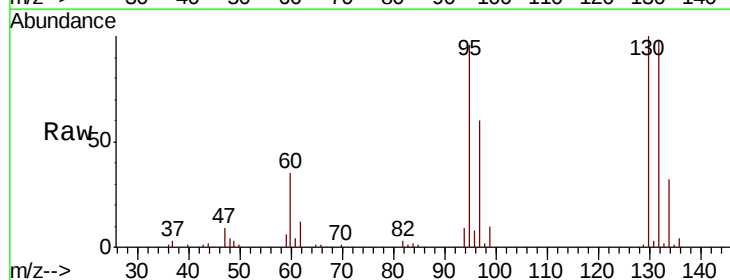
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tgt Ion:	130	Resp:	67586
Ion Ratio	Lower	Upper	
130	100		
95	96.5	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

8.83

30000

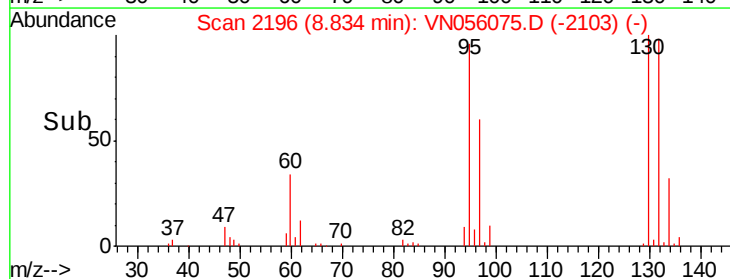
20000

10000

0

8.80 8.90

Time-->





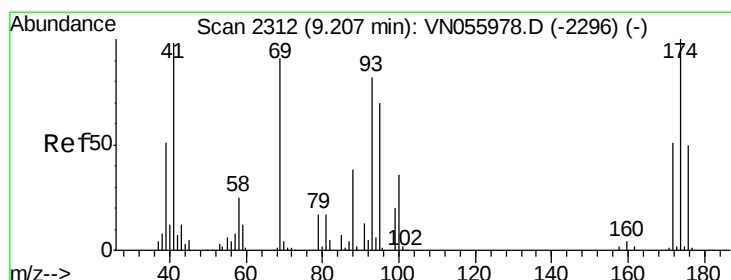
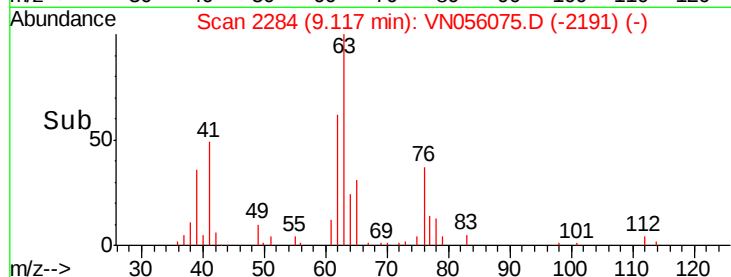
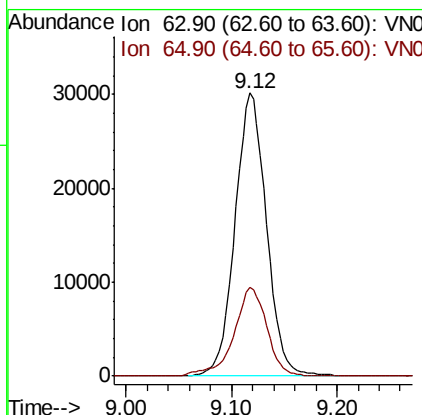
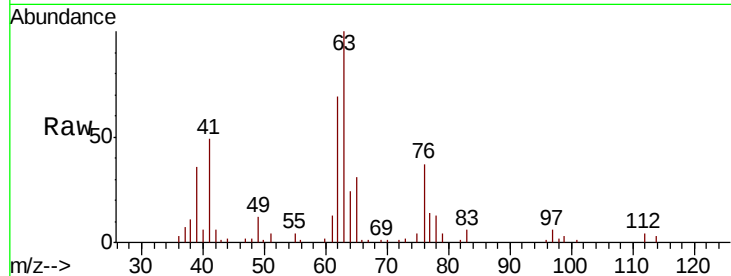
#45
 1,2-Dichloropropane
 Concen: 20.910 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Tot Ion: 63 Resp: 62278
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 36.8

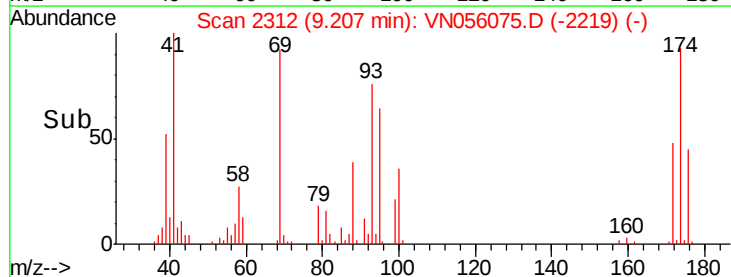
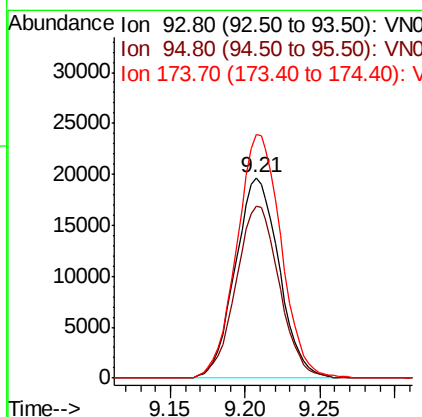
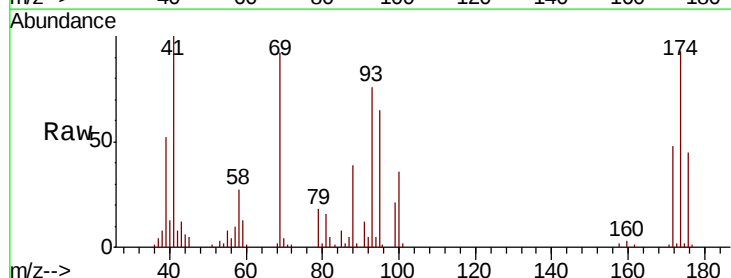
Manual Integrations
 APPROVED

MMDadoda
 6/8/2019 3:00:35 PM



#46
 Dibromomethane
 Concen: 20.524 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion: 93 Resp: 39974
 Ion Ratio Lower Upper
 93 100
 95 85.4 66.7 100.1
 174 123.2 96.4 144.6





#47

Bromodichloromethane

Concen: 19.572 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

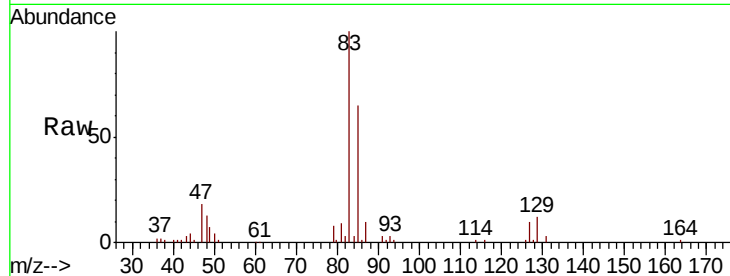
ClientSampleId :

VN0607WBS02

Tot Ion:	83	Resp:	69086
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.2	78.2
127	9.7	7.4	11.0

Manual Integrations
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MMDadoda
6/8/2019 3:00:35 PM

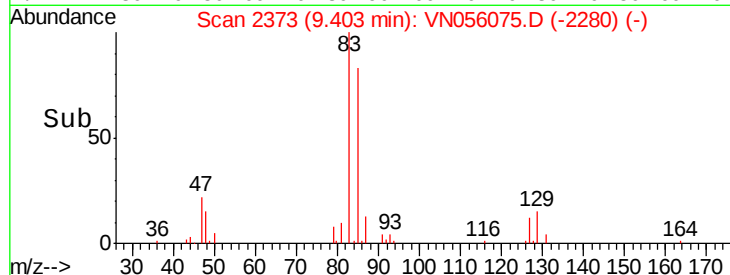


Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2356) (-)

Time-->

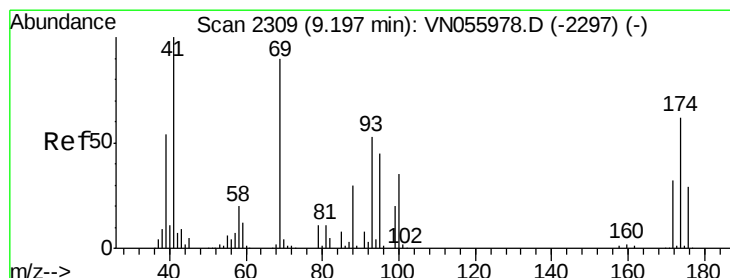


Abundance Ion 82.90 (82.60 to 83.60): VN056075.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056075.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056075.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 21.390 ug/l

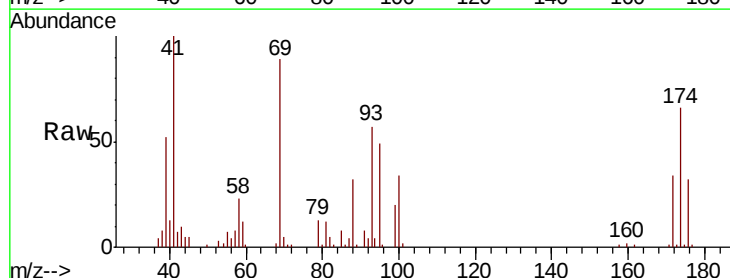
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tgt Ion:	41	Resp:	57763
Ion Ratio	Lower	Upper	
41	100		
69	89.9	71.0	106.6
39	52.1	44.2	66.2

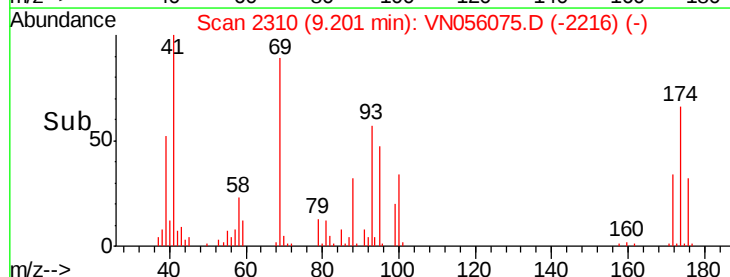


Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-2297) (-)

Time-->

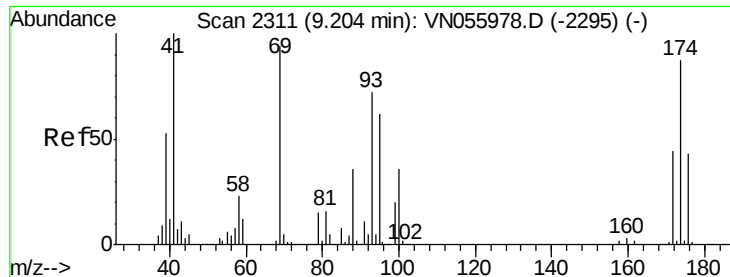


Abundance Ion 41.00 (40.70 to 41.70): VN056075.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056075.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056075.D (-2216) (-)

Time-->



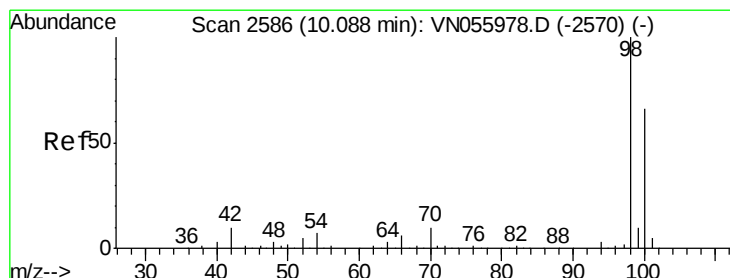
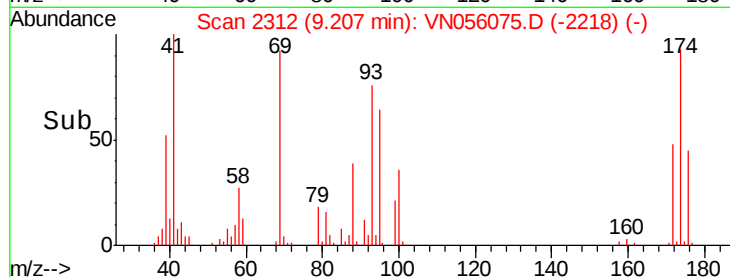
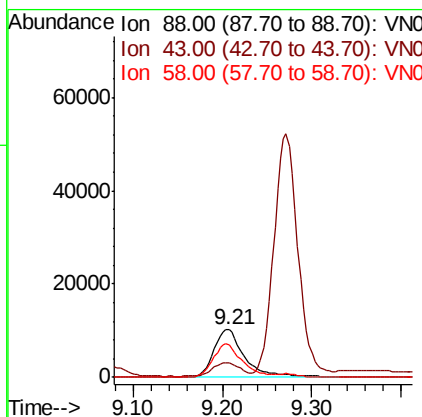
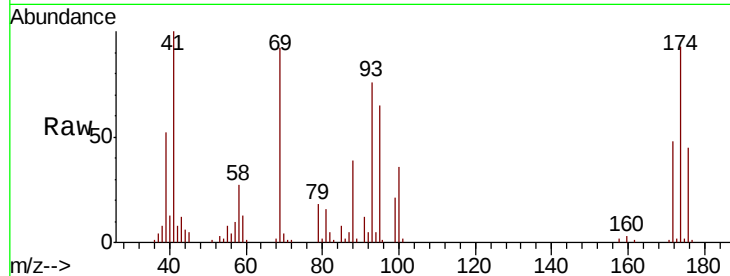
#49
 1,4-Dioxane
 Concen: 424.472 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.9	20.5	30.7
58	65.4	55.8	83.6

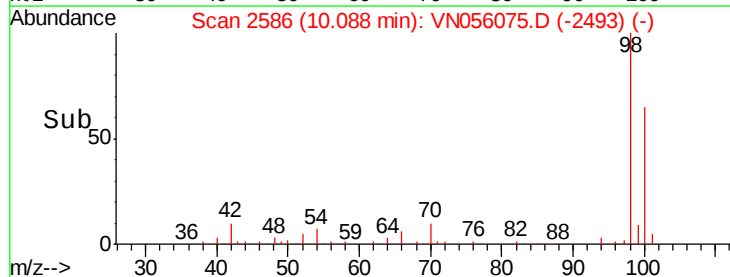
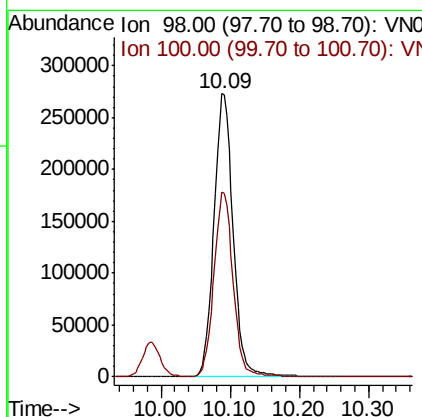
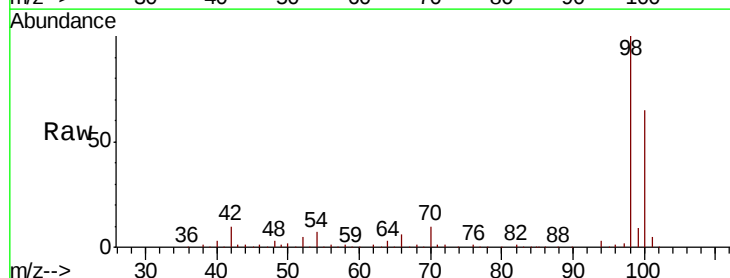
Manual Integrations
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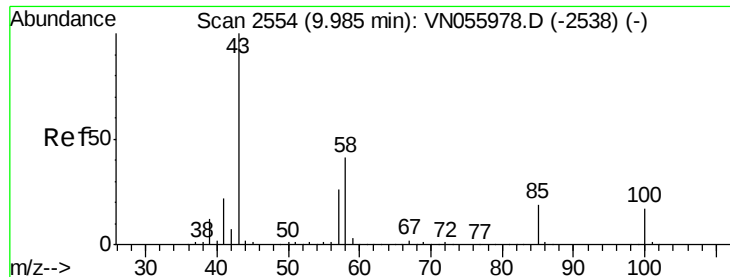
MMDadoda
 6/8/2019 3:00:35 PM



#50
 Toluene-d8
 Concen: 49.874 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9





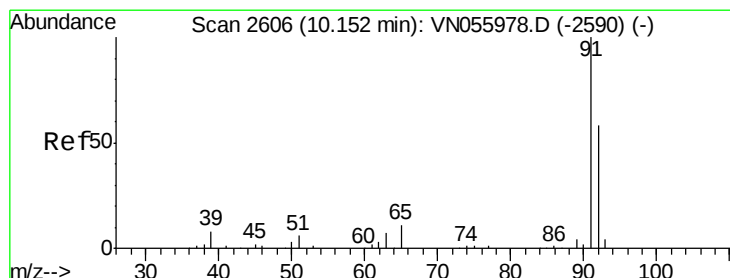
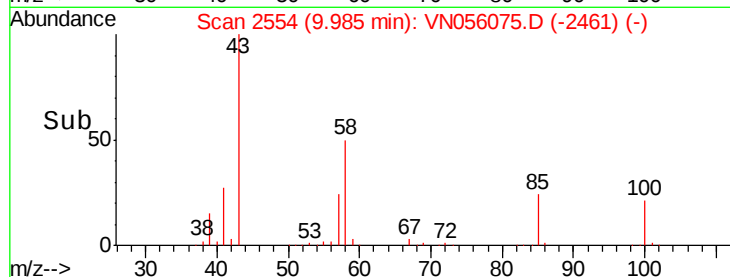
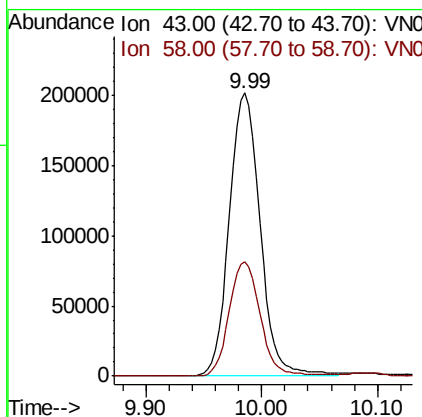
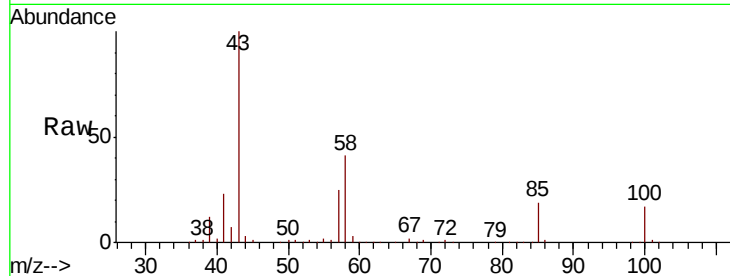
#51
4-Methyl-2-Pentanone
Concen: 107.722 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

Tot Ion: 43 Resp: 371844
Ion Ratio Lower Upper
43 100
58 40.8 32.1 48.1

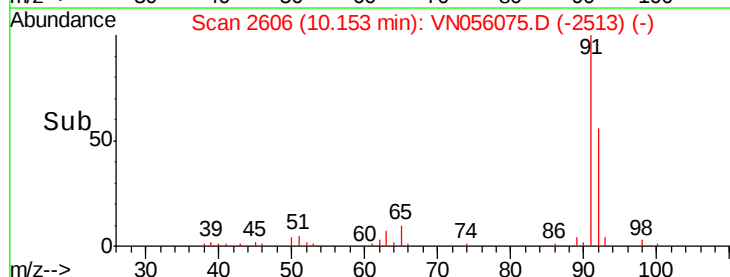
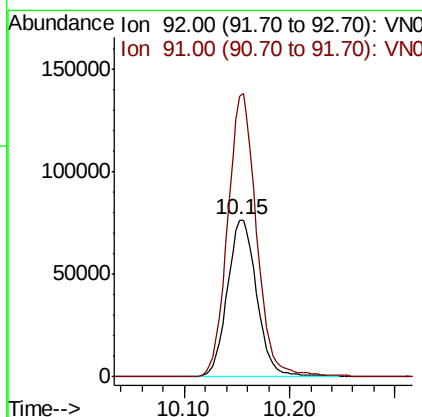
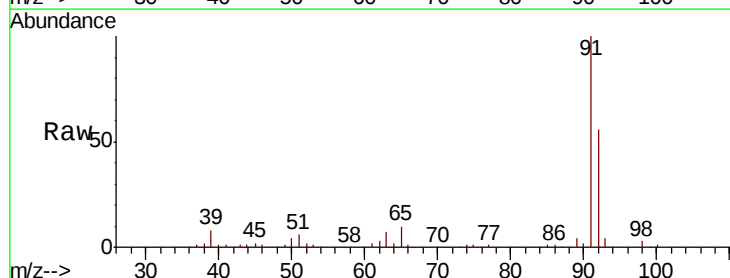
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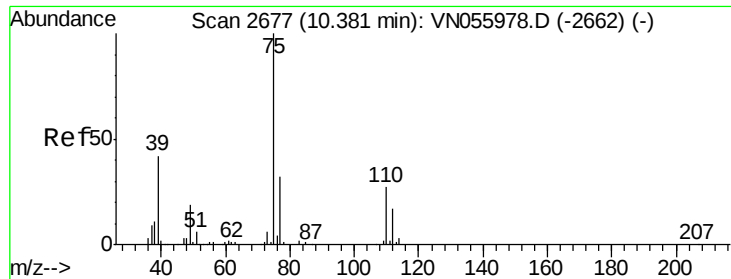
MMDadoda
6/8/2019 3:00:35 PM



#52
Toluene
Concen: 20.494 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 92 Resp: 148285
Ion Ratio Lower Upper
92 100
91 176.5 139.4 209.2





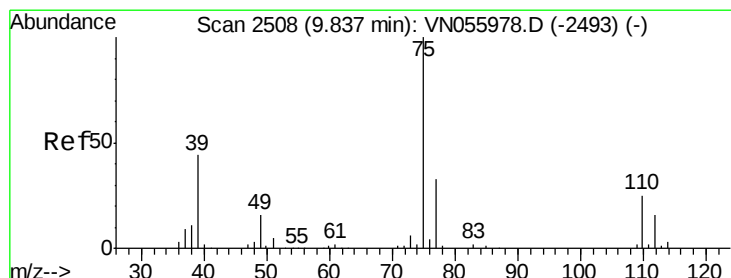
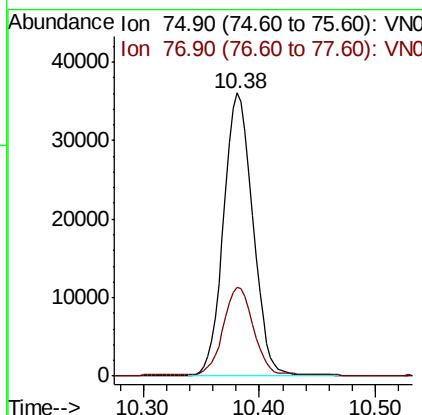
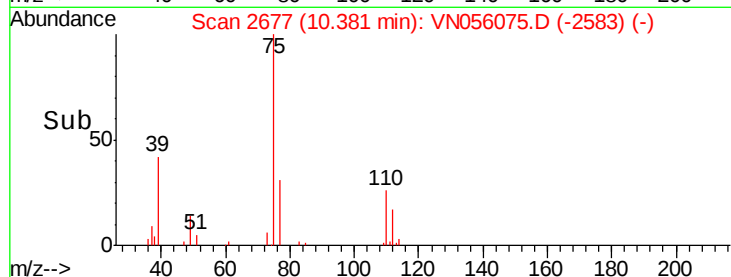
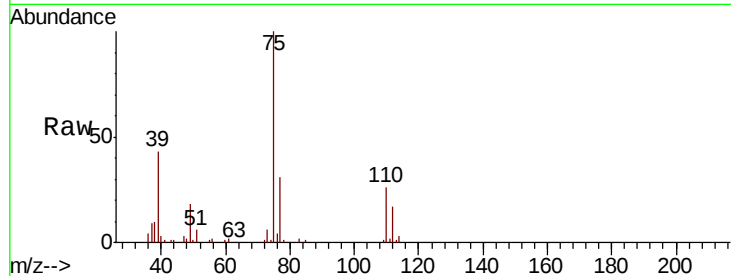
#53
 t-1,3-Dichloropropene
 Concen: 16.934 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0607WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6

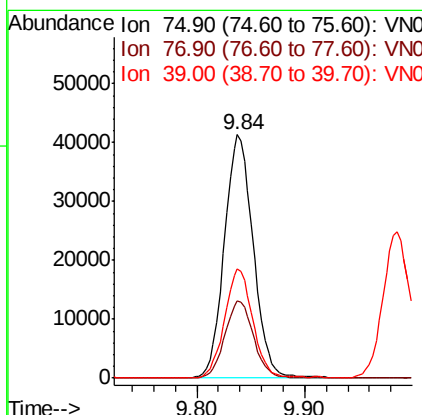
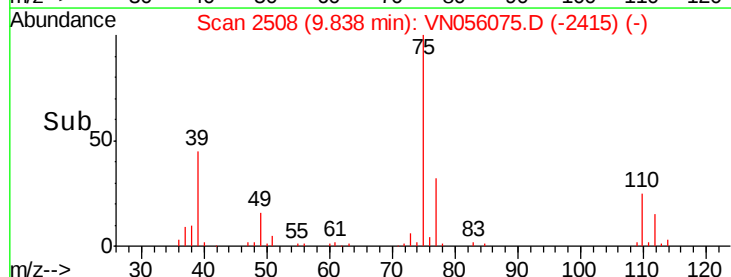
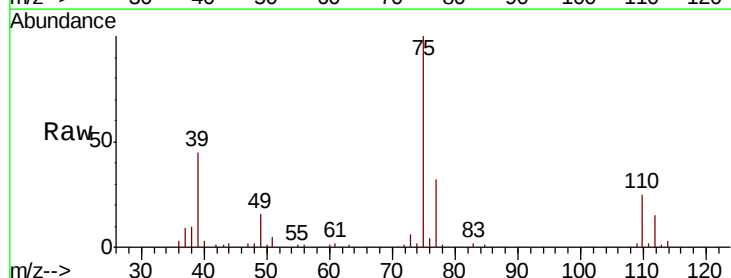
Manual Integrations
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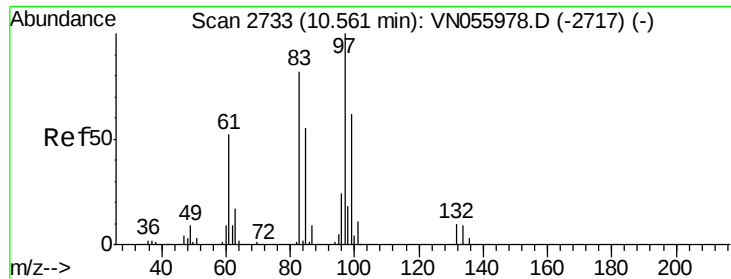
MMDadoda
 6/8/2019 3:00:35 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.185 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	44.7	36.3	54.5





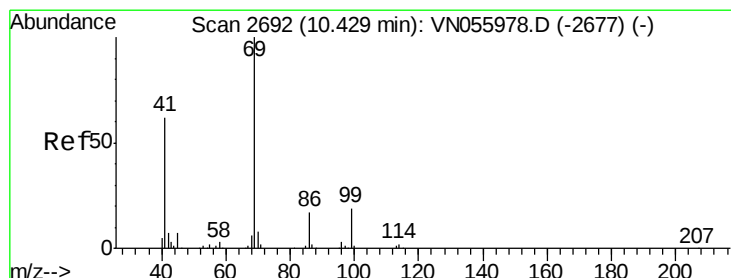
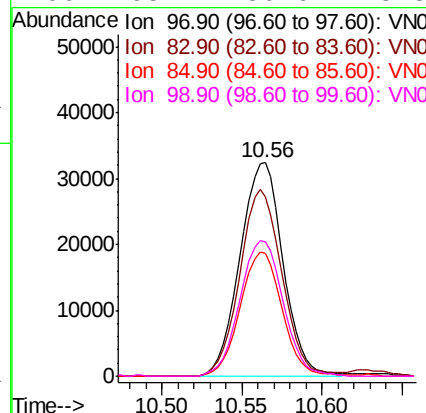
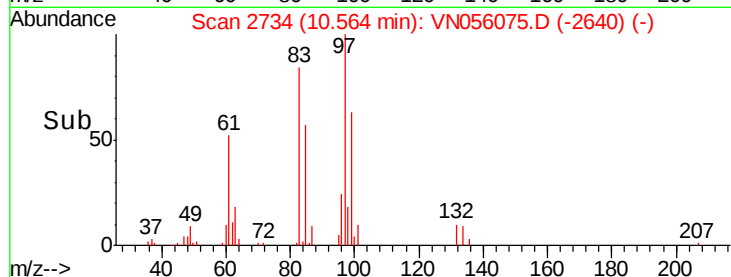
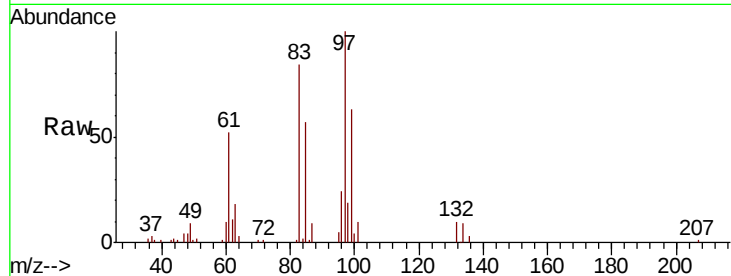
#55
 1,1,2-Trichloroethane
 Concen: 20.824 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0607WBS02

Tot Ion	Ratio	Resp	Lower	Upper
97	100			
83	83.9	67.0	100.6	
85	57.3	44.0	66.0	
99	63.1	50.6	75.8	

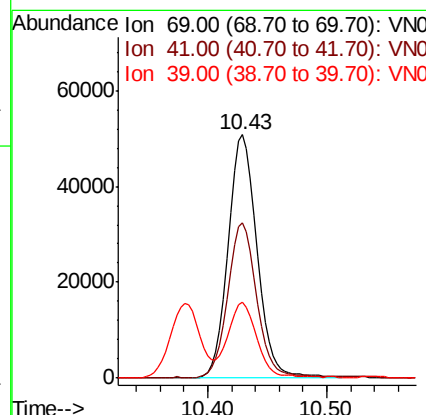
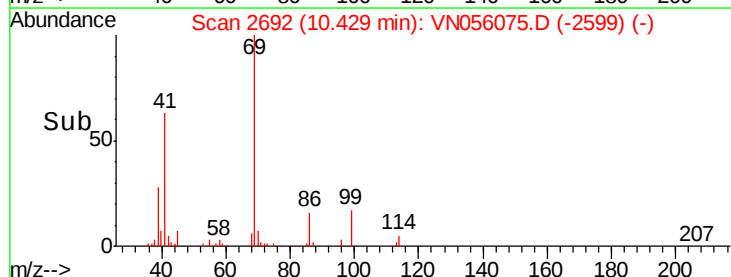
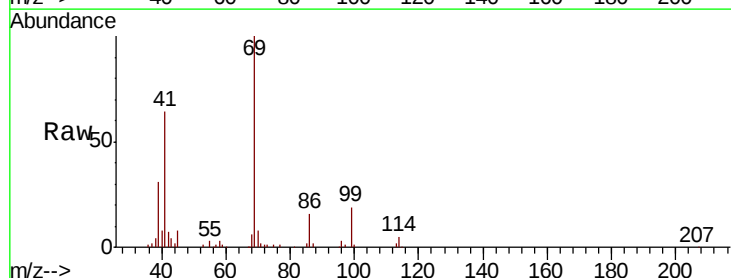
Manual Integrations
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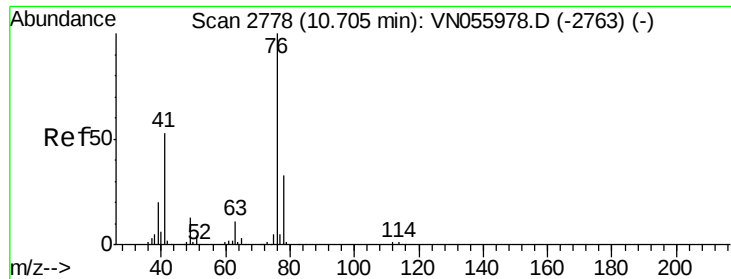
MMDadoda
 6/8/2019 3:00:35 PM



#56
 Ethyl methacrylate
 Concen: 20.534 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
69	100			
41	62.8	49.7	74.5	
39	30.3	24.7	37.1	





#57

1,3-Dichloropropane

Concen: 21.227 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS02

Tot Ion: 76 Resp: 98903

Ion Ratio Lower Upper

76 100

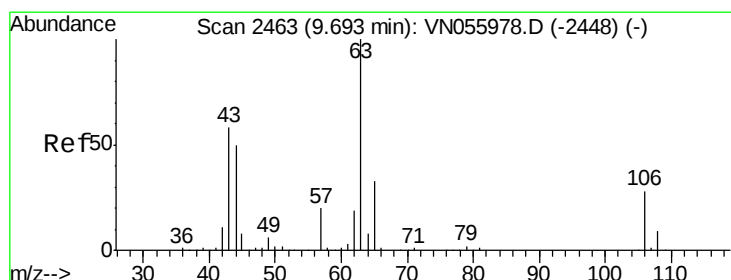
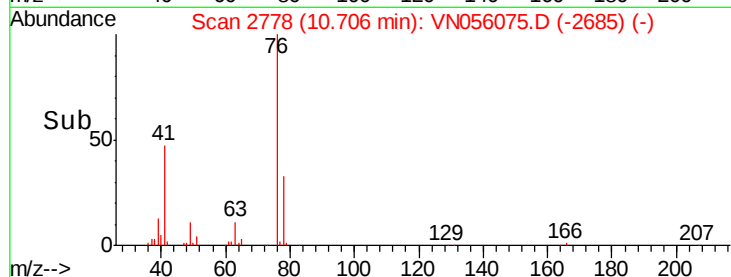
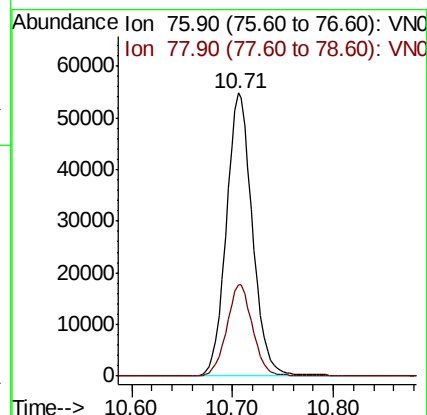
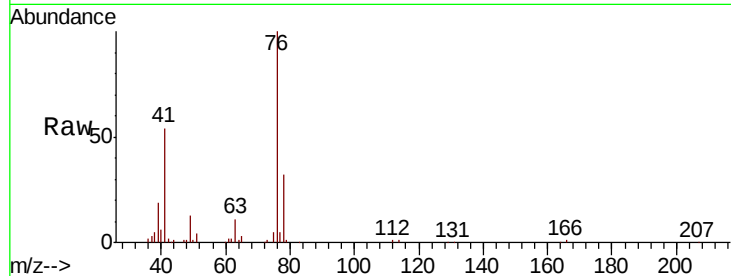
78 32.1 25.8 38.6

Manual Integrations

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MMDadoda

6/8/2019 3:00:35 PM



#58

2-Chloroethyl Vinyl ether

Concen: 95.972 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056075.D

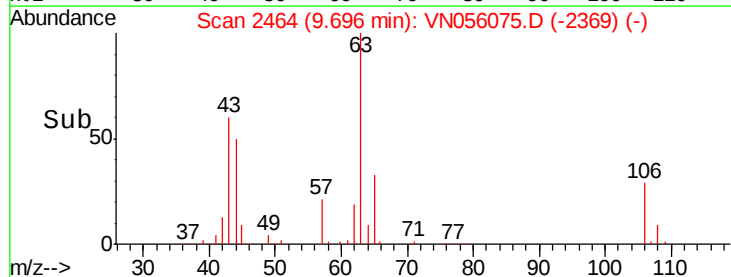
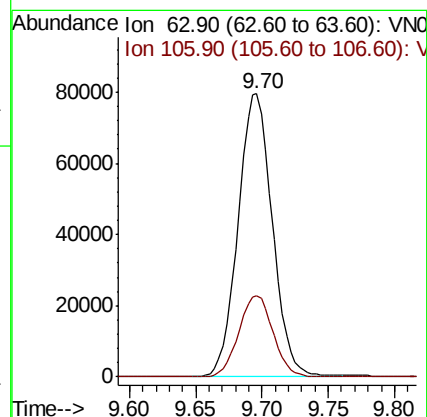
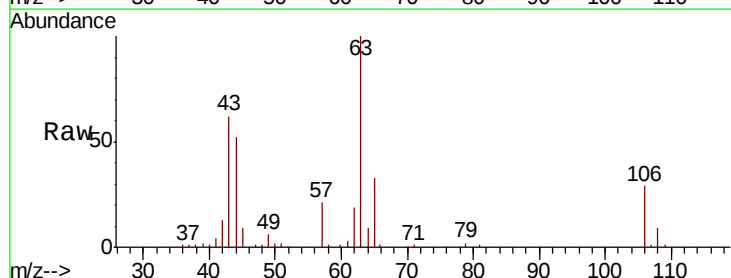
Acq: 7 Jun 2019 4:19

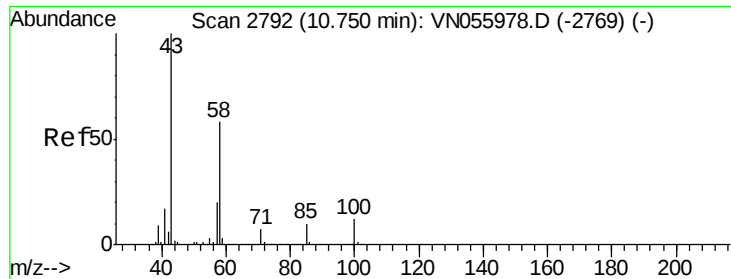
Tgt Ion: 63 Resp: 142952

Ion Ratio Lower Upper

63 100

106 28.7 22.7 34.1





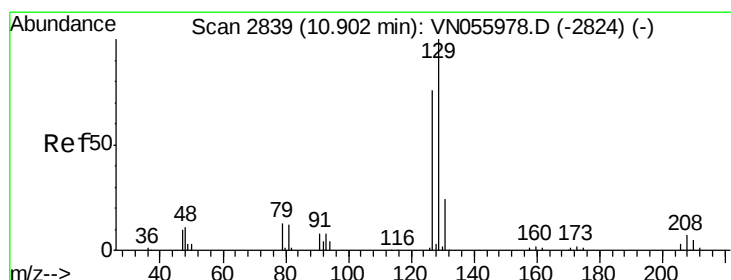
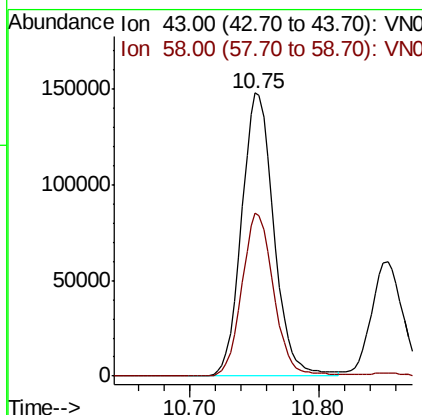
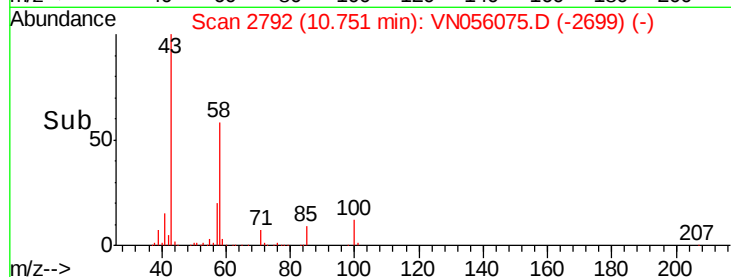
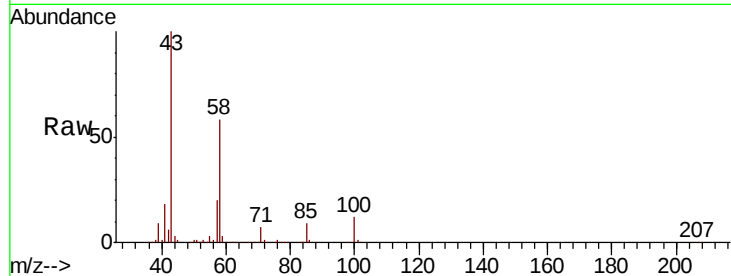
#59
2-Hexanone
Concen: 102.655 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion: 43 Resp: 256826
Ion Ratio Lower Upper
43 100
58 56.9 28.2 84.7

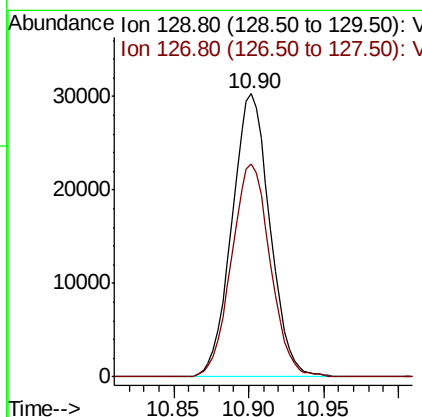
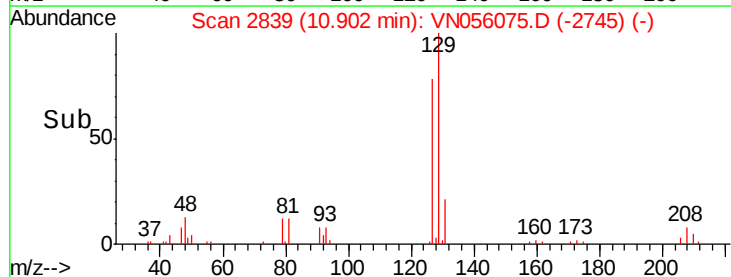
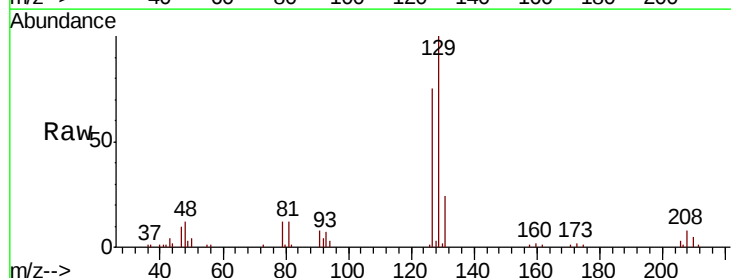
Manual Integrations
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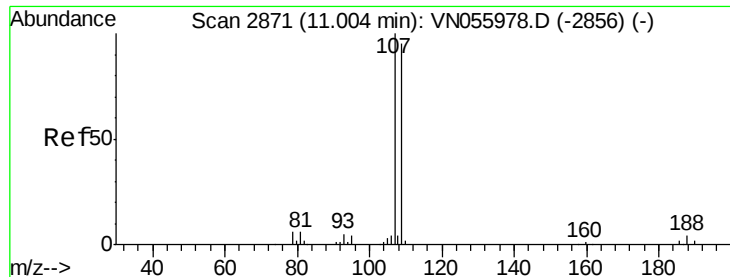
MMDadoda
6/8/2019 3:00:35 PM



#60
Dibromochloromethane
Concen: 18.561 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 129 Resp: 53549
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





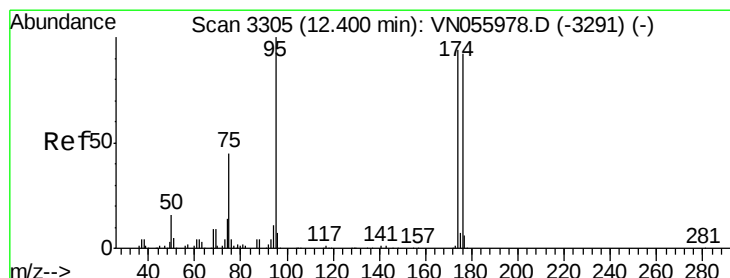
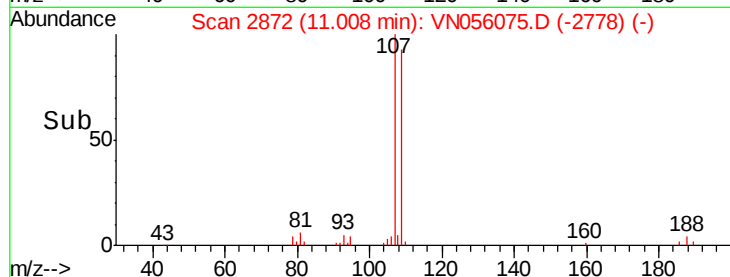
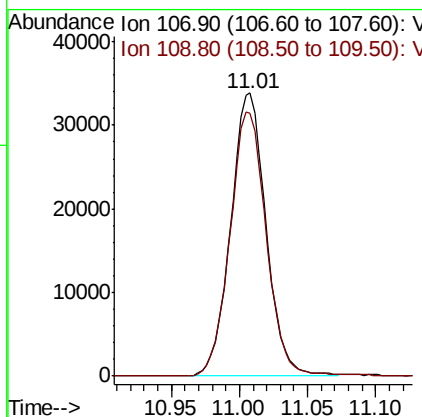
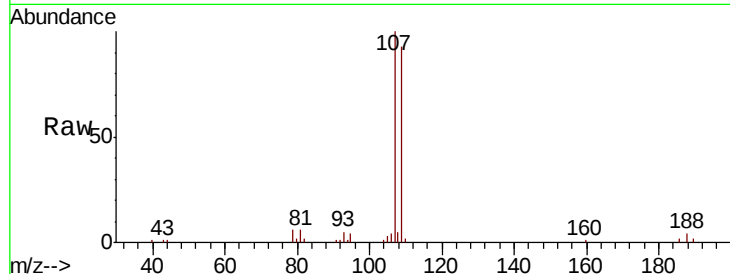
#61
1,2-Dibromoethane
Concen: 20.791 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	74.8	112.2

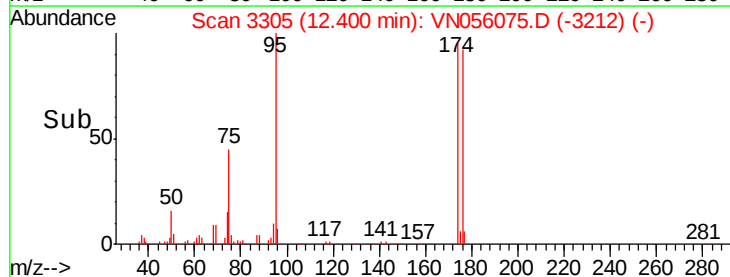
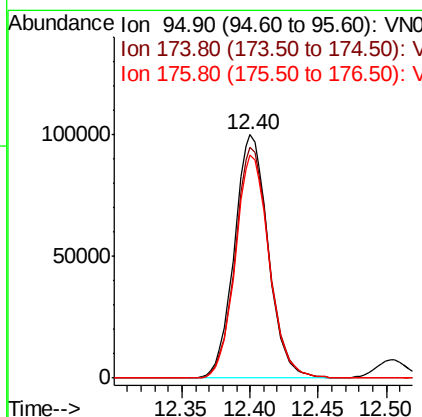
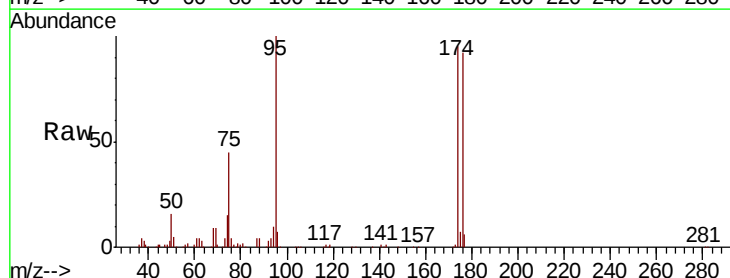
Manual Integrations
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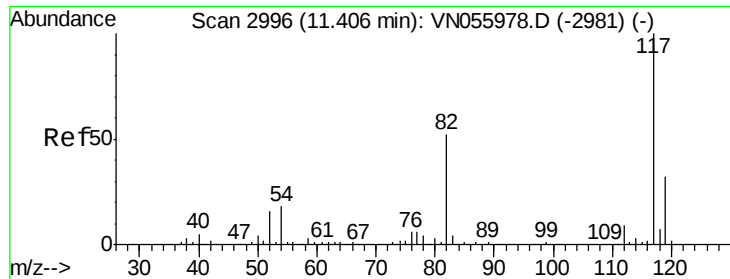
MMDadoda
6/8/2019 3:00:35 PM



#62
4-Bromofluorobenzene
Concen: 48.211 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	191.0
176	91.7	0.0	185.2





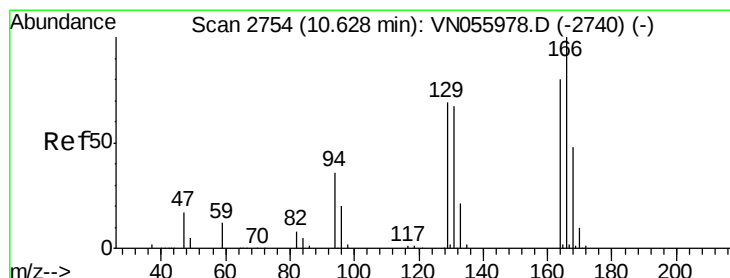
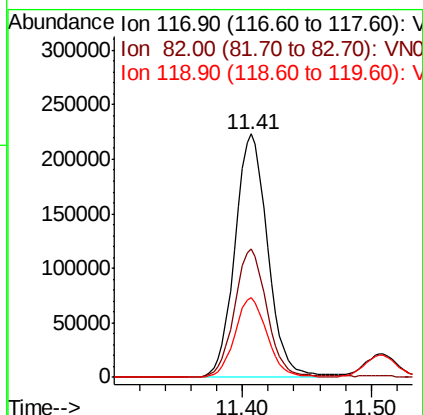
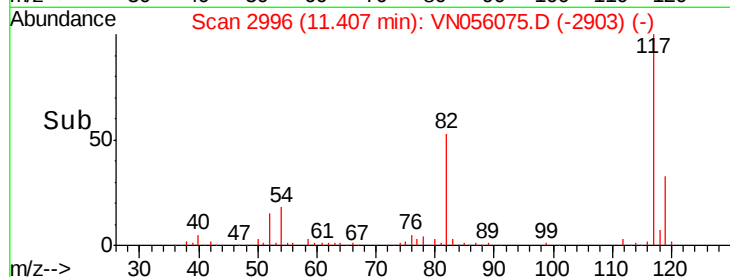
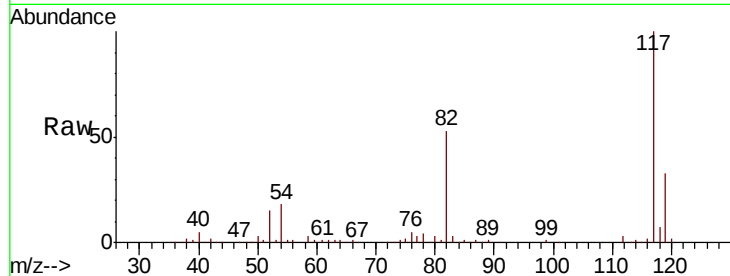
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.8
119	32.8	25.4	38.0

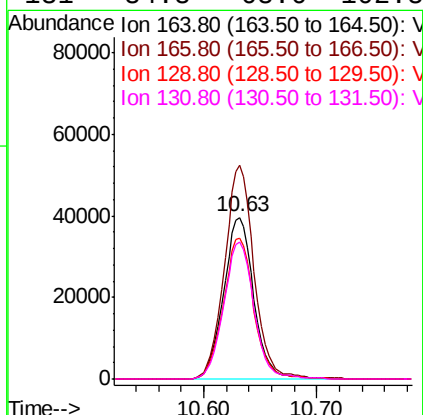
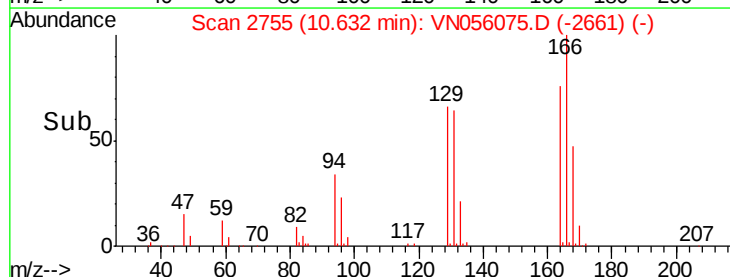
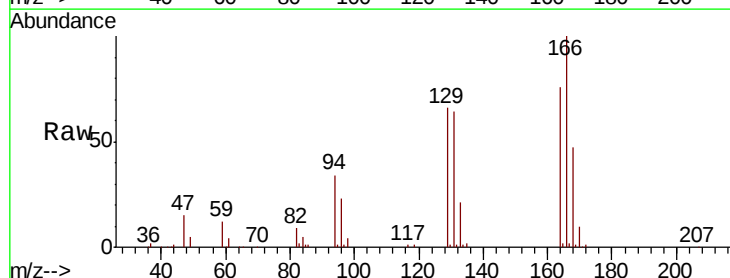
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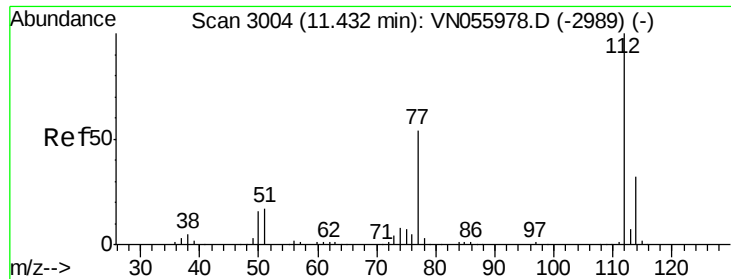
MMDadoda
6/8/2019 3:00:35 PM



#64
Tetrachloroethene
Concen: 21.376 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	103.0	154.6
129	87.4	70.6	105.8
131	84.8	68.6	102.8





#65

Chlorobenzene

Concen: 20.949 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS02

Tot Ion:112 Resp: 164737

Ion Ratio Lower Upper

112 100

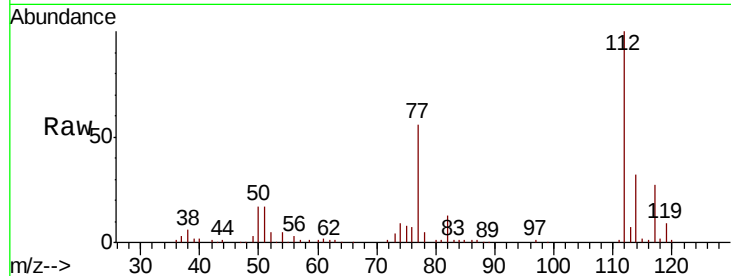
114 31.6 26.2 39.4

Manual Integrations

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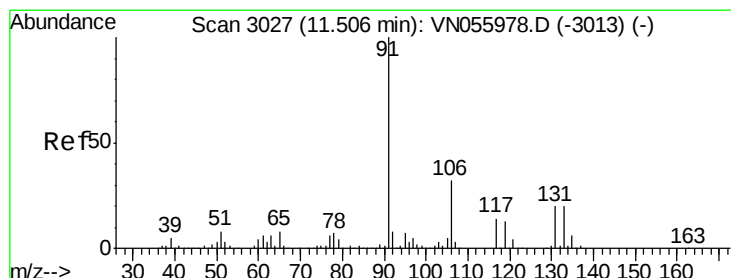
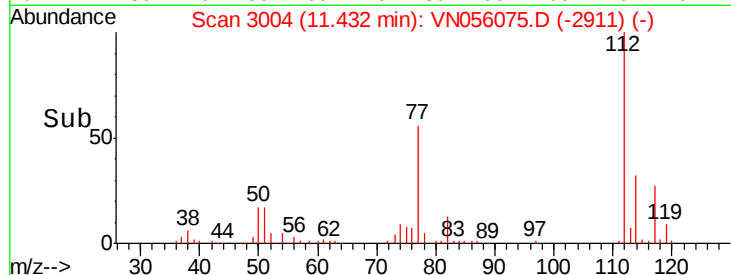
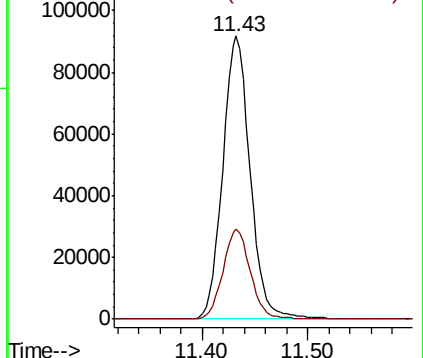
MMDadoda

6/8/2019 3:00:35 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.247 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

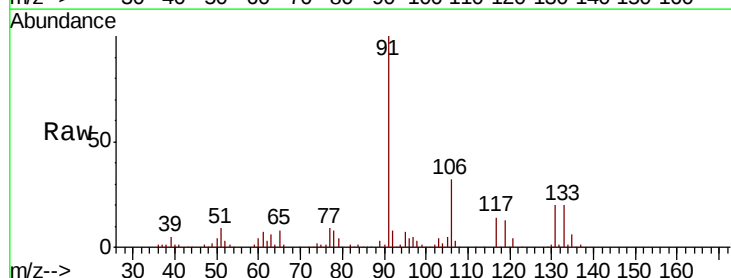
Tgt Ion:131 Resp: 54974

Ion Ratio Lower Upper

131 100

133 94.8 48.0 144.0

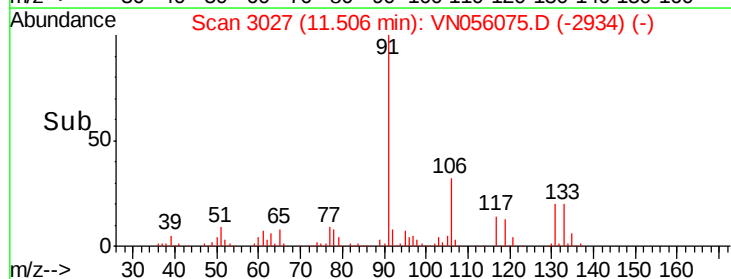
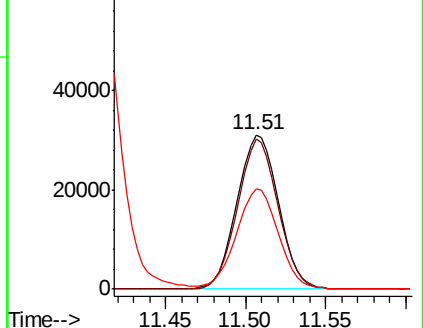
119 66.3 33.1 99.5

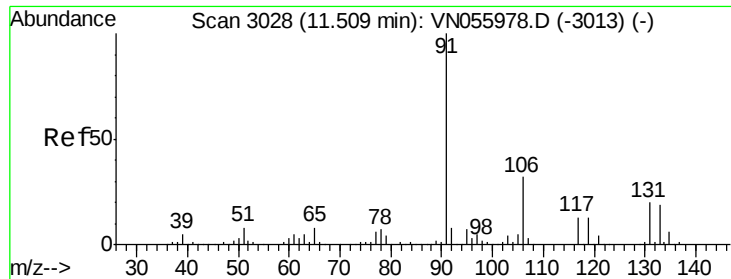


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





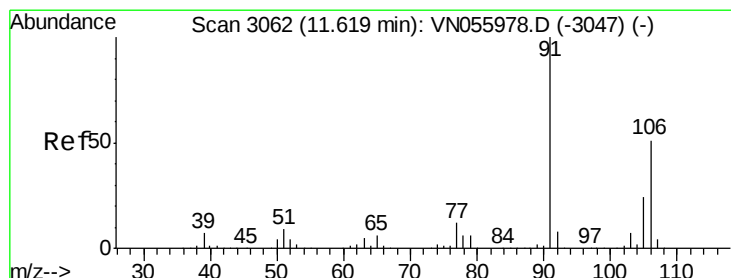
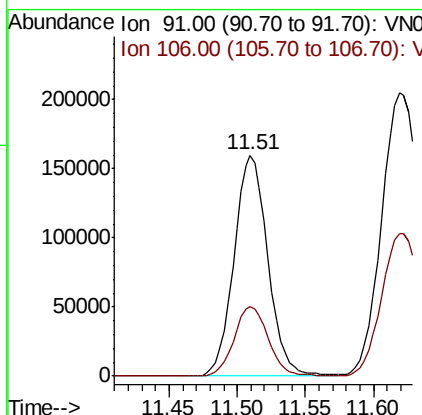
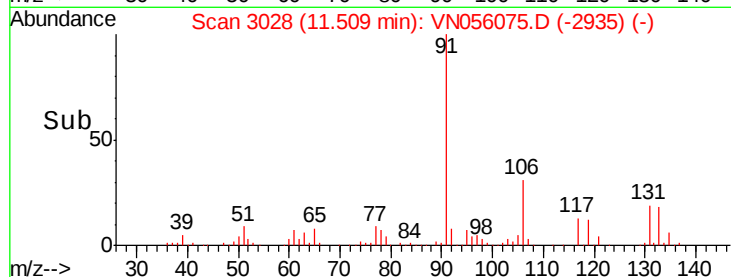
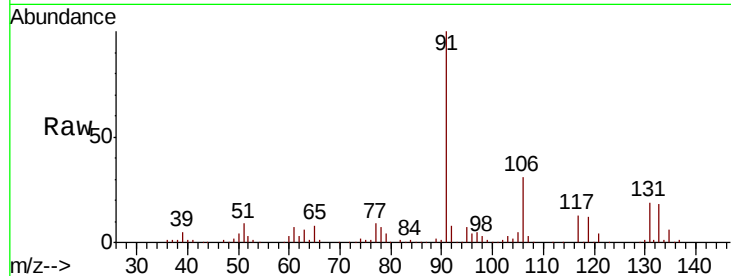
#67
Ethyl Benzene
Concen: 20.057 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

Tot Ion: 91 Resp: 274250
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

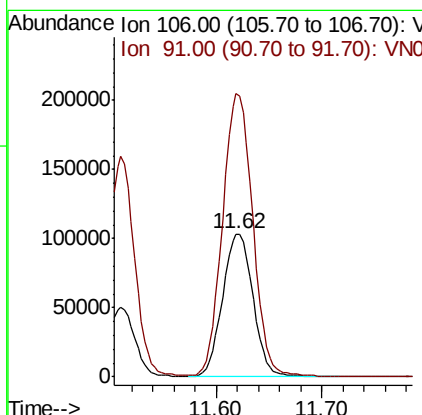
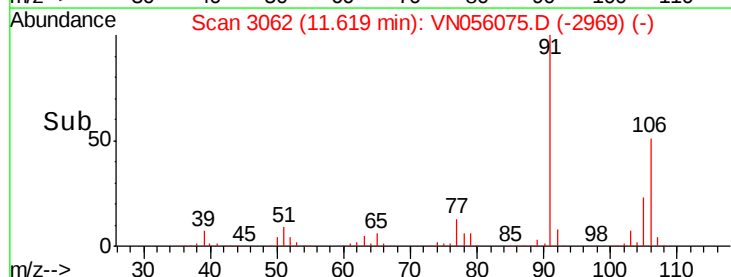
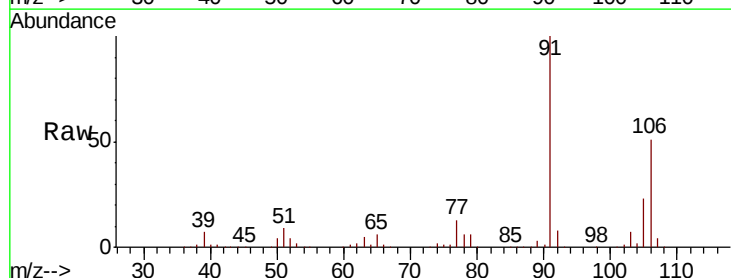
Manual Integrations
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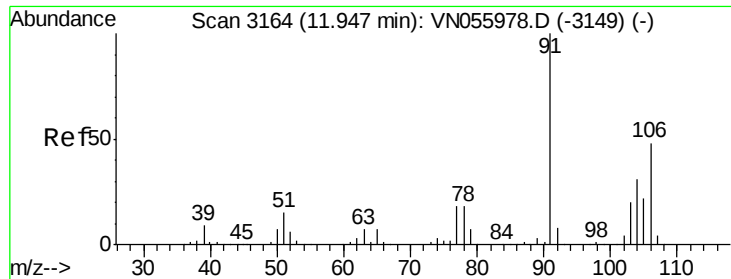
MMDadoda
6/8/2019 3:00:35 PM



#68
m/p-Xylenes
Concen: 39.803 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 106 Resp: 207913
Ion Ratio Lower Upper
106 100
91 196.0 159.3 238.9





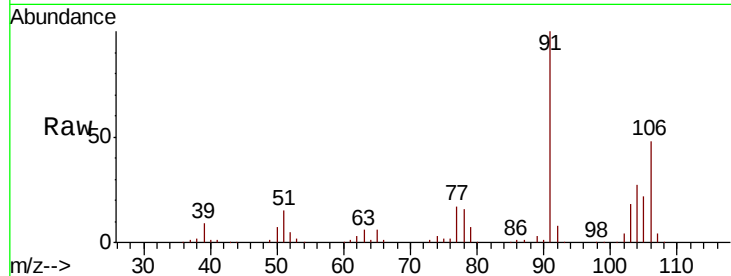
#69
o-Xylene
Concen: 20.109 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

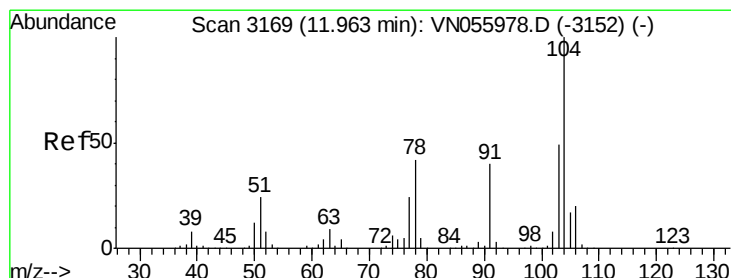
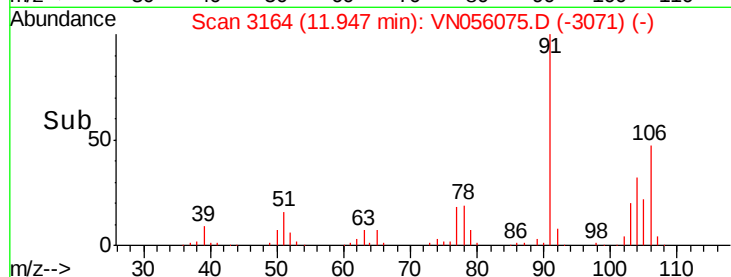
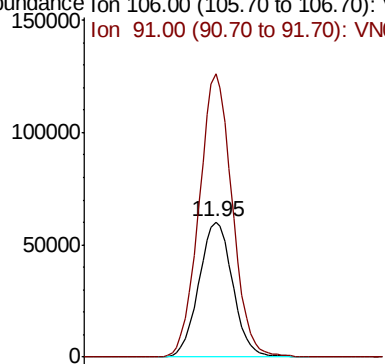
Tot Ion:106 Resp: 103324
Ion Ratio Lower Upper
106 100
91 206.1 104.7 314.1

Manual Integrations
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6/8/2019 3:00:35 PM

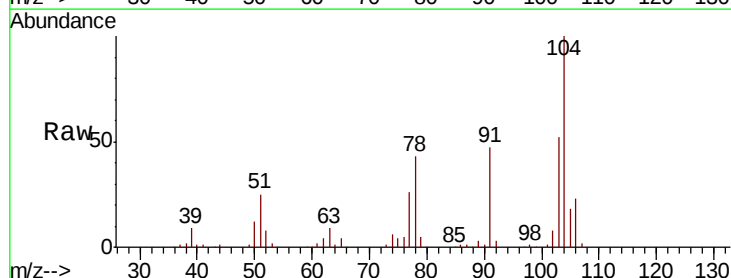


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

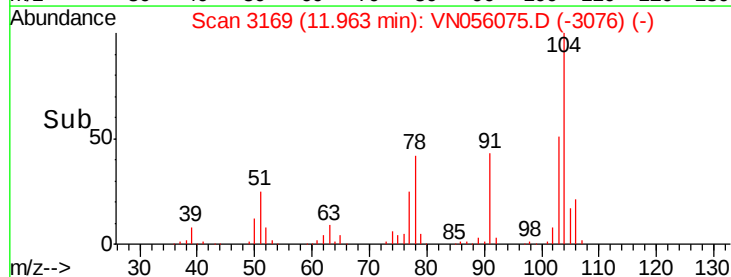
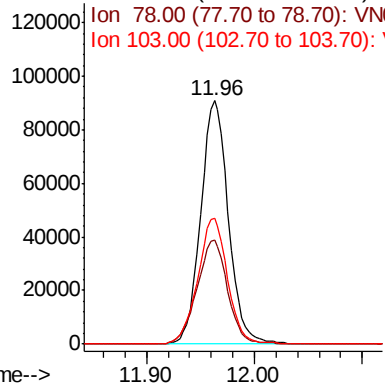


#70
Styrene
Concen: 19.961 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion:104 Resp: 162957
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.4 44.2 66.2



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





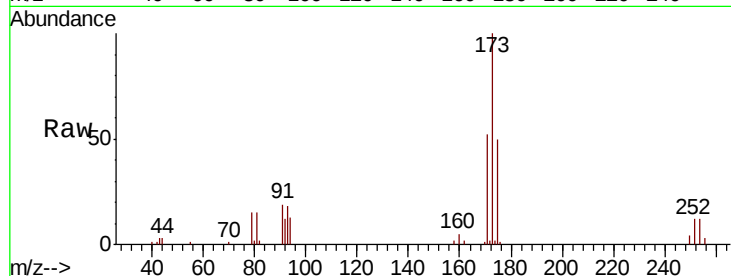
#71
Bromoform
Concen: 17.367 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
6/8/2019 3:00:35 PM

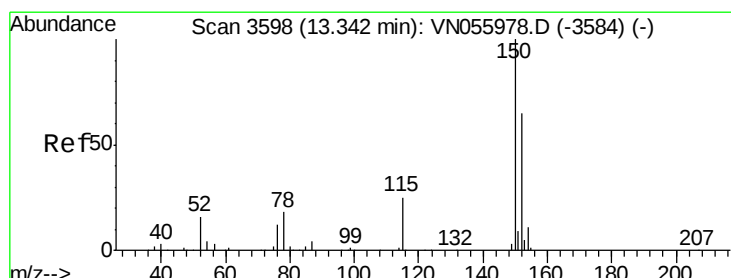
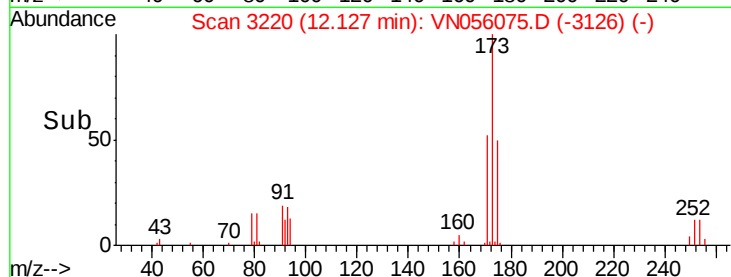
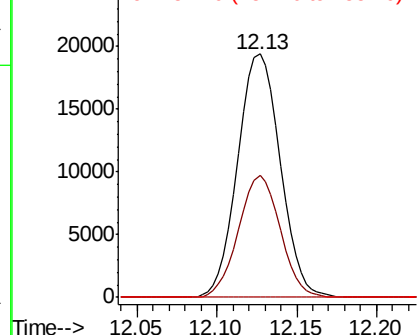


Abundance

Ion 172.70 (172.40 to 173.40): V

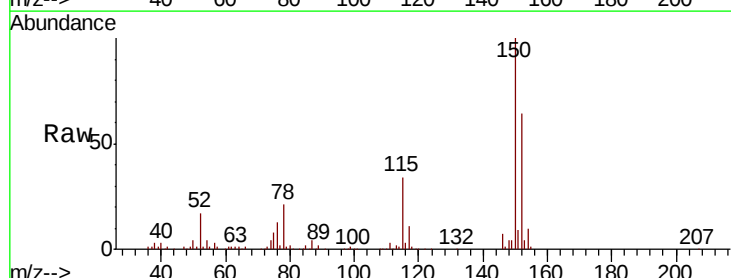
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.0	81.0
150	162.2	0.0	343.2

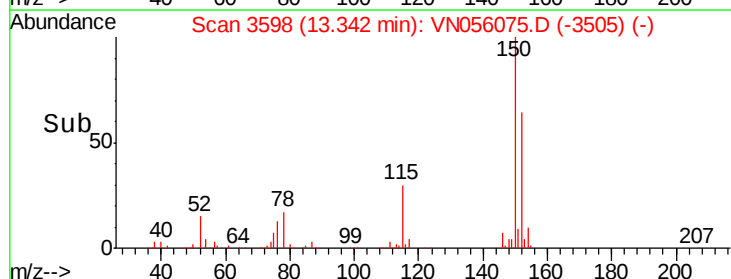
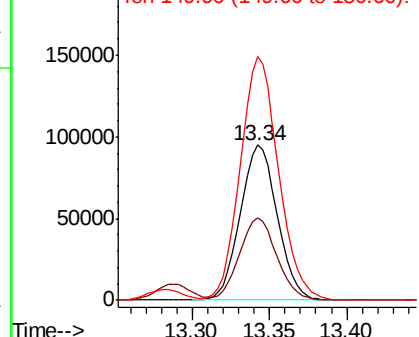


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.690 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS02

Tot Ion: 105 Resp: 269902

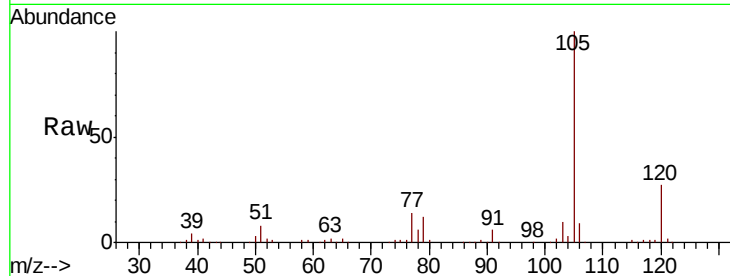
Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7

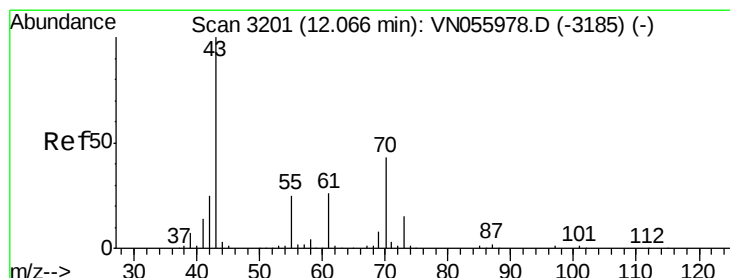
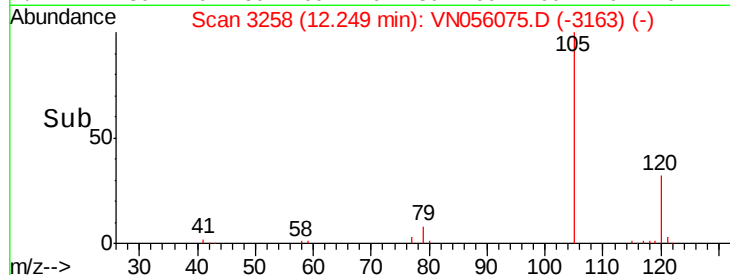
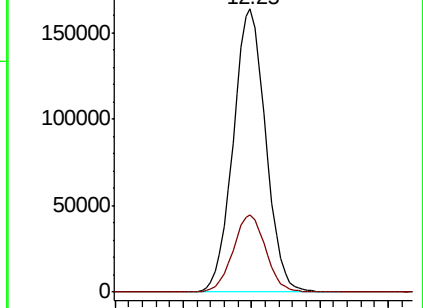
Manual Integrations
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MMDadoda
6/8/2019 3:00:35 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.336 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tgt Ion: 43 Resp: 89689

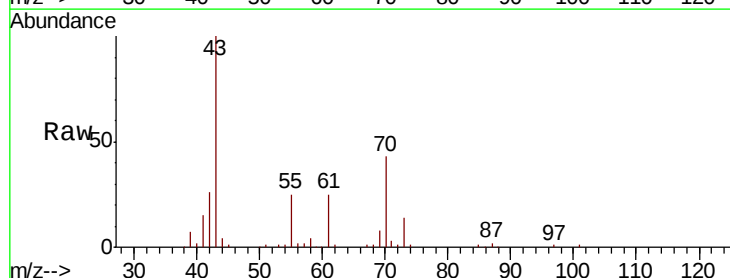
Ion Ratio Lower Upper

43 100

70 43.0 34.0 51.0

55 25.8 18.6 28.0

61 24.6 20.0 30.0

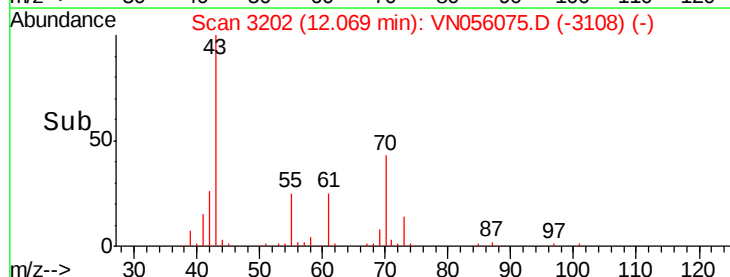
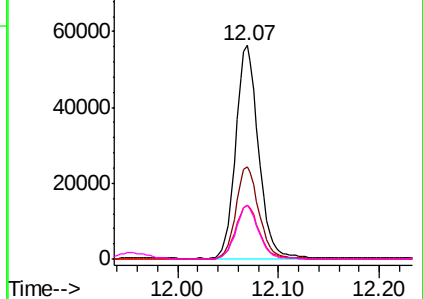


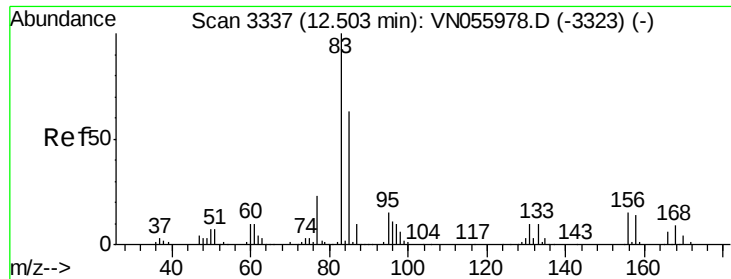
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.407 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

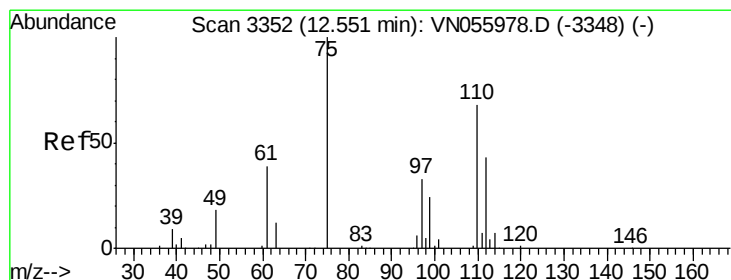
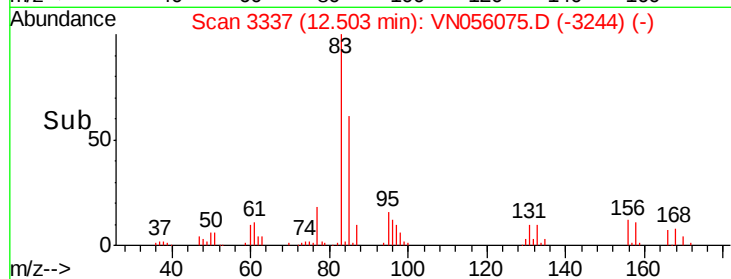
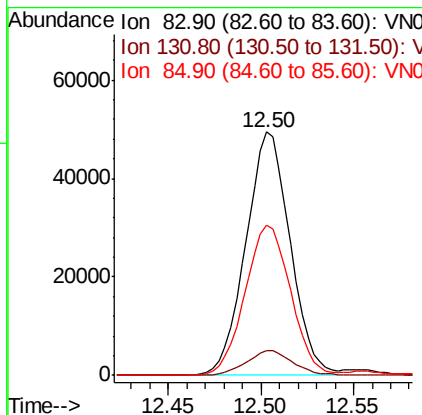
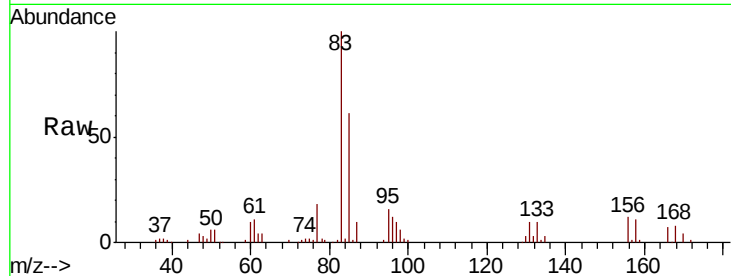
ClientSampleId :

VN0607WBS02

Tot Ion:	83	Resp:	82027
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	63.3	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.969 ug/l m

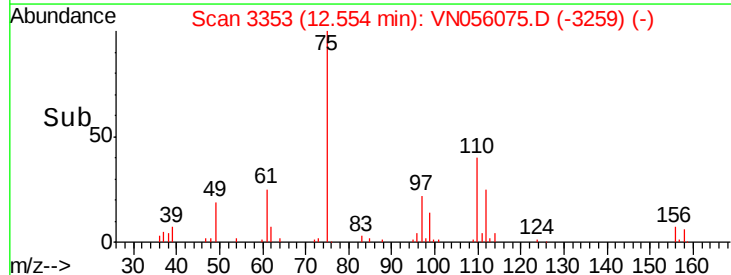
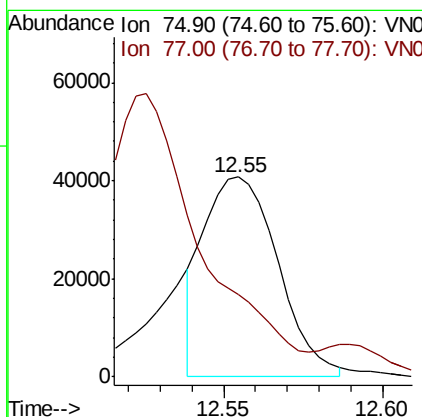
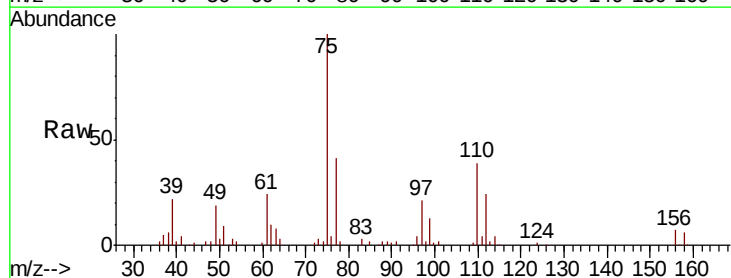
RT: 12.55 min Scan# 3353

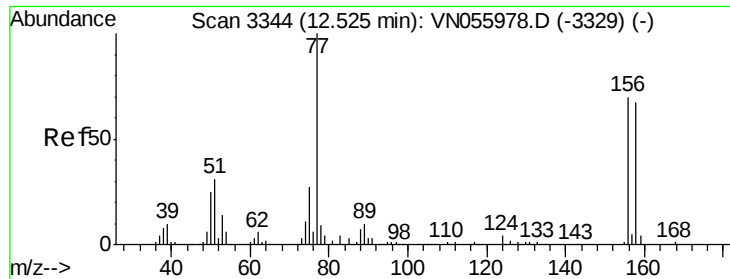
Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tgt Ion:	75	Resp:	66648
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.079 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

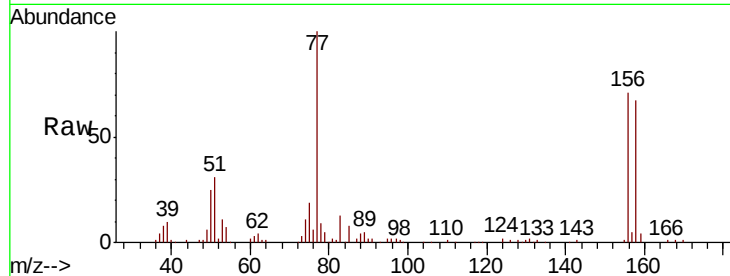
ClientSampleId :

VN0607WBS02

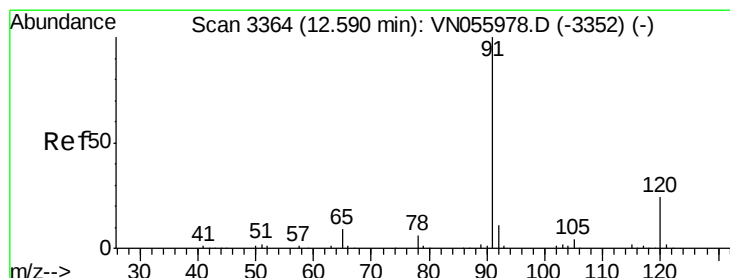
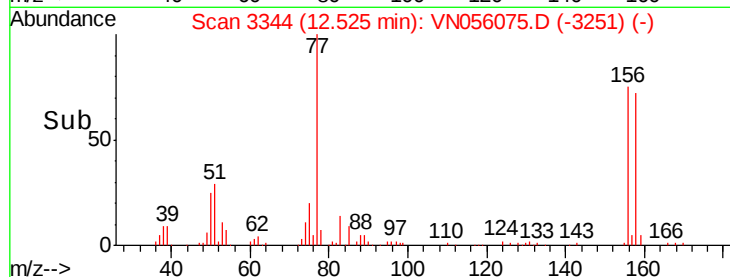
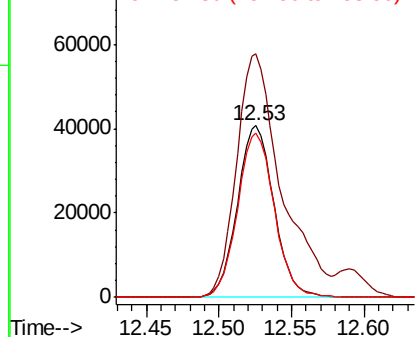
Tot Ion:	156	Resp:	71168
Ion Ratio	Lower	Upper	
156	100		
77	175.3	90.8	272.5
158	96.2	49.3	147.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.610 ug/l

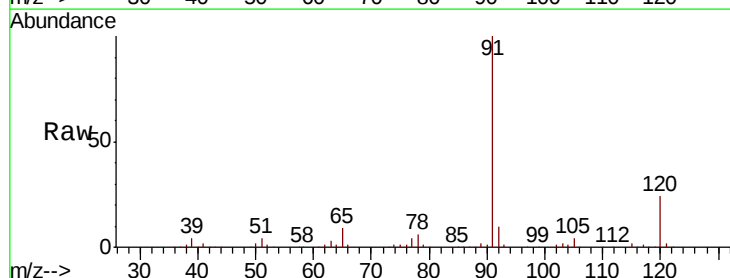
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

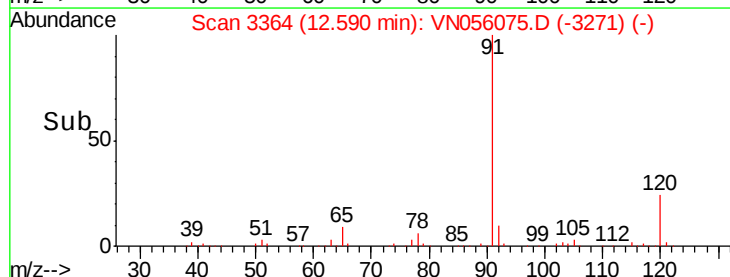
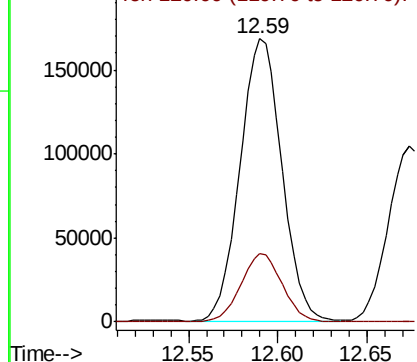
Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tgt Ion:	91	Resp:	274962
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.489 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

Tot Ion: 91 Resp: 175868

Ion Ratio Lower Upper

91 100

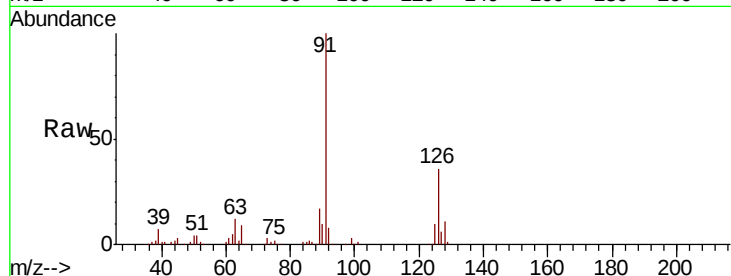
126 35.6 18.1 54.4

Manual Integrations

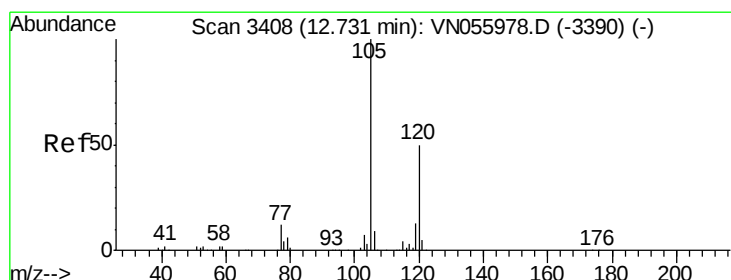
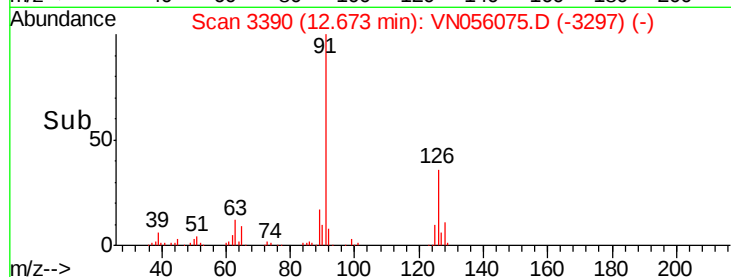
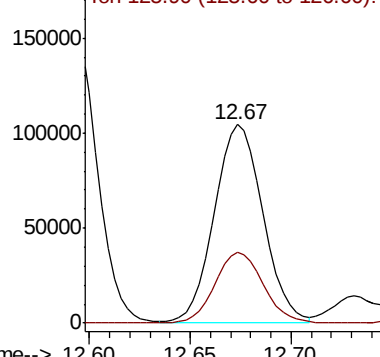
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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.623 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056075.D

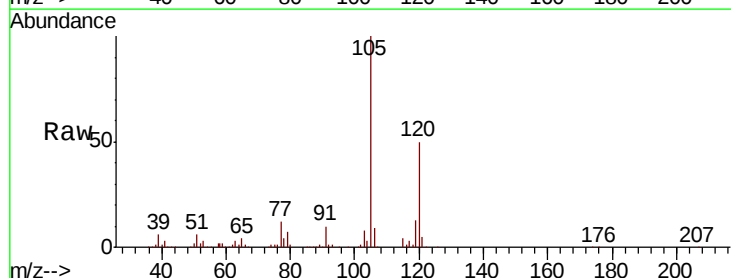
Acq: 7 Jun 2019 4:19

Tgt Ion: 105 Resp: 218661

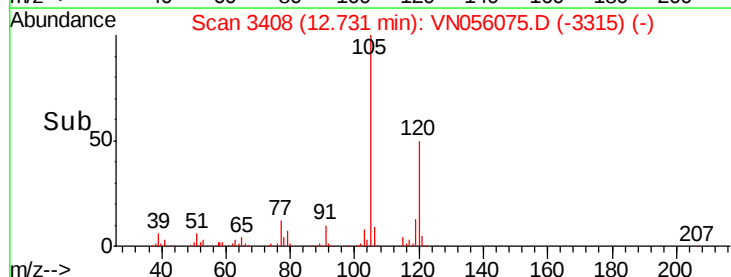
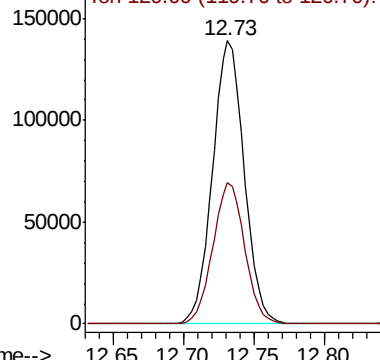
Ion Ratio Lower Upper

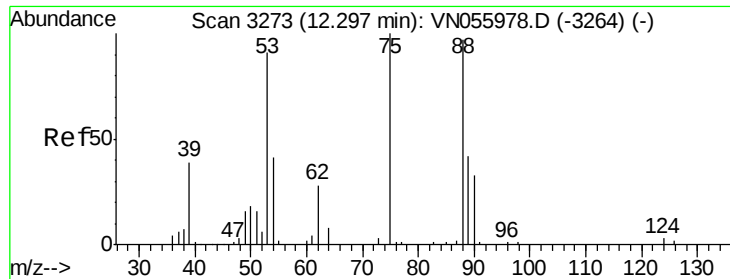
105 100

120 50.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





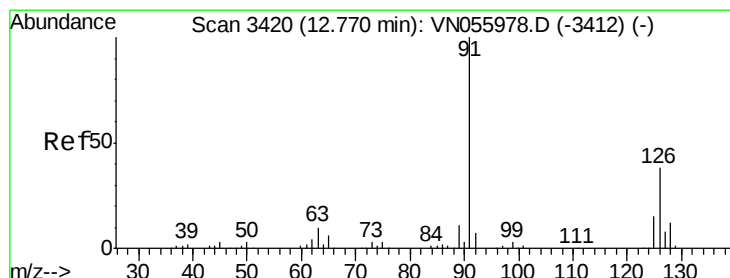
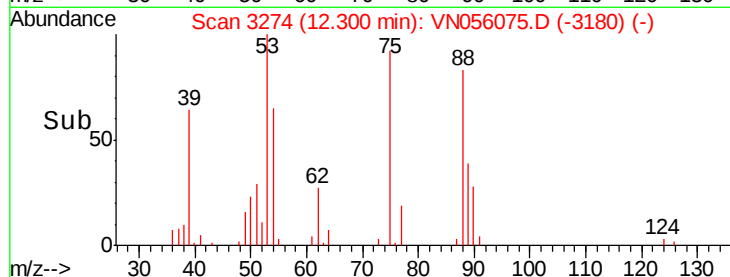
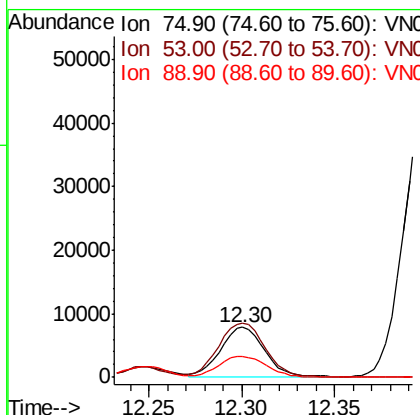
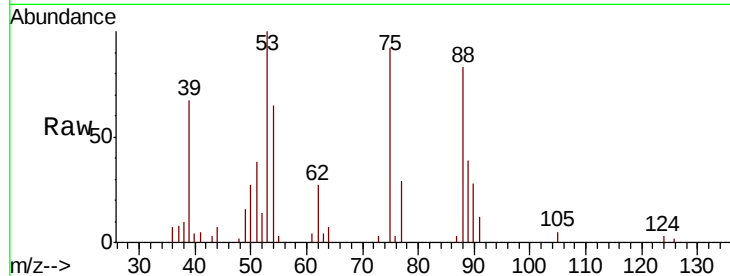
#81
trans-1,4-Dichloro-2-butene
Concen: 15.056 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

Tot Ion: 75 Resp: 13119
Ion Ratio Lower Upper
75 100
53 115.1 68.1 102.1#
89 44.2 36.9 55.3

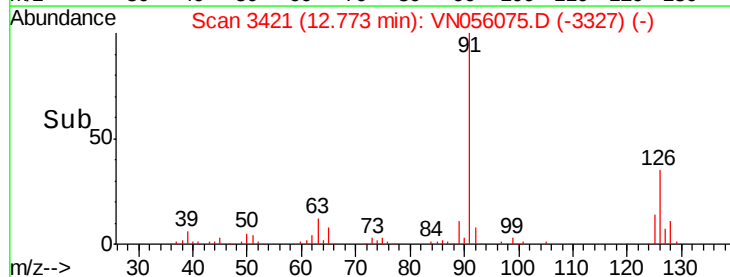
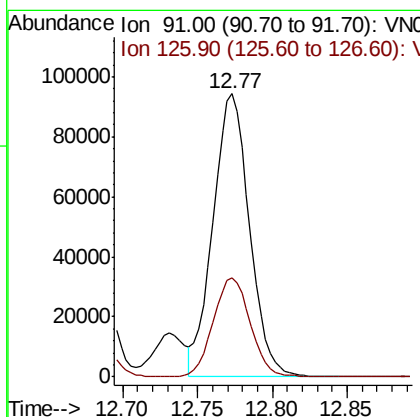
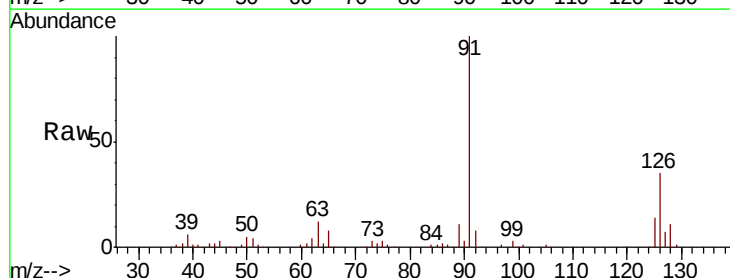
Manual Integrations
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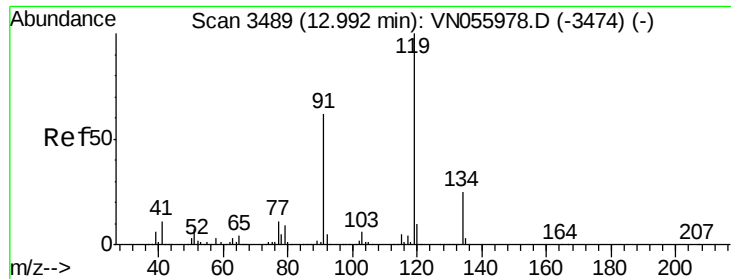
MMDadoda
6/8/2019 3:00:35 PM



#82
4-Chlorotoluene
Concen: 20.573 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 91 Resp: 160575
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.3





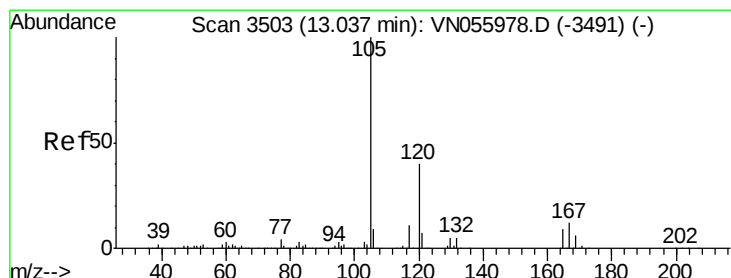
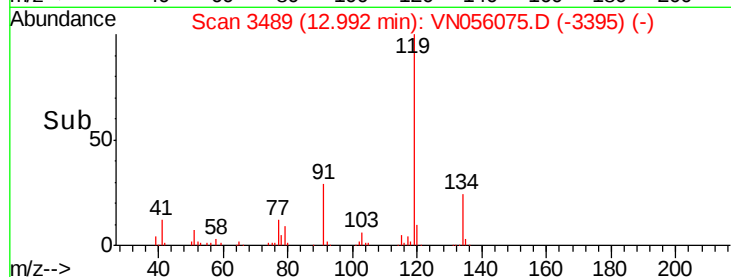
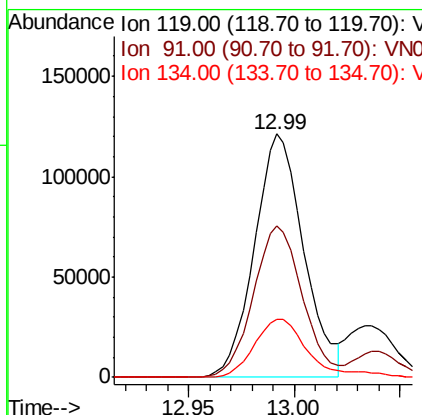
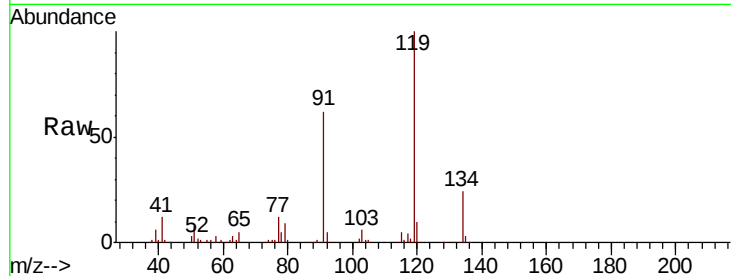
#83
tert-Butylbenzene
Concen: 22.488 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	197348		
91	61.7	30.9	92.8	
134	26.3	13.3	39.8	

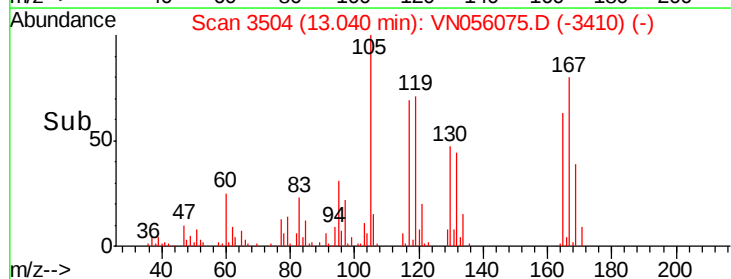
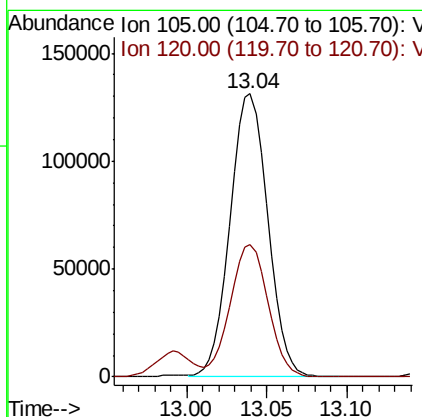
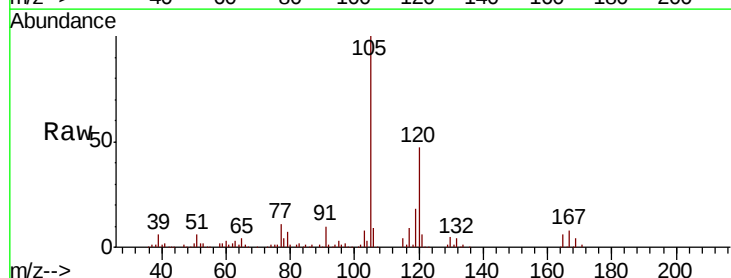
Manual Integrations
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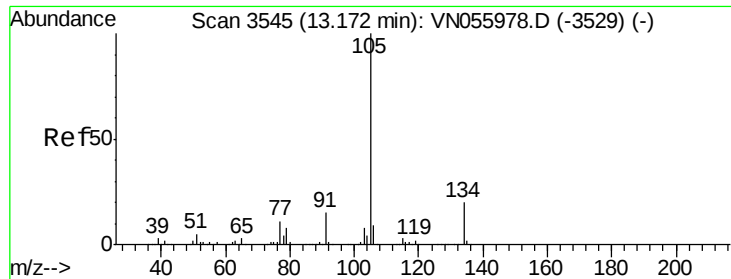
MMDadoda
6/8/2019 3:00:35 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.938 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210519		
120	47.0	23.0	69.0	





#85

sec-Butylbenzene

Concen: 20.788 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS02

Tot Ion:105 Resp: 245607

Ion Ratio Lower Upper

105 100

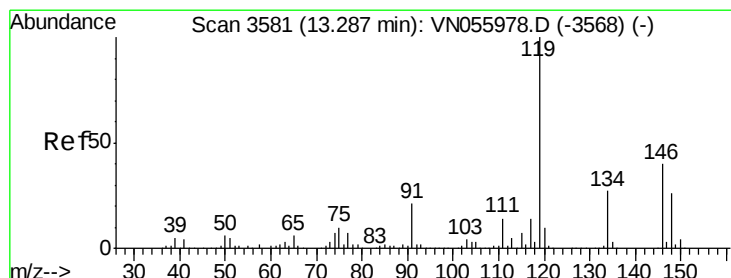
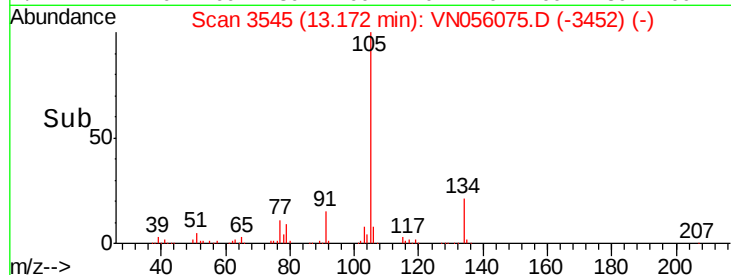
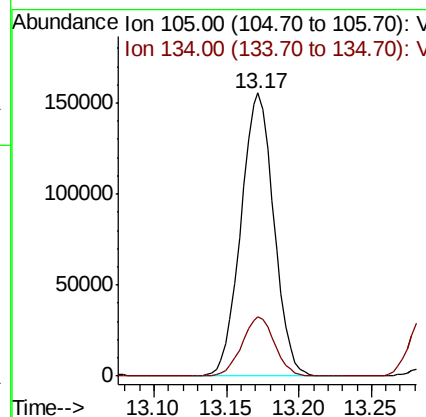
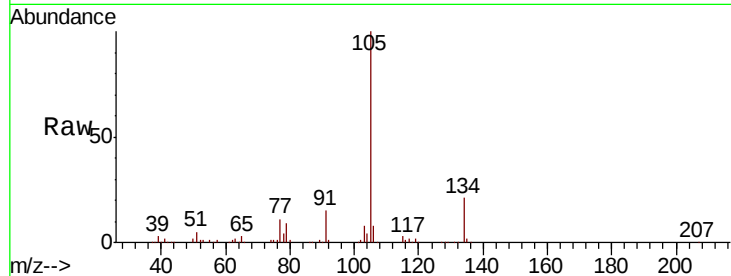
134 20.7 10.4 31.2

Manual Integrations

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6/8/2019 3:00:35 PM



#86

p-Isopropyltoluene

Concen: 20.332 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

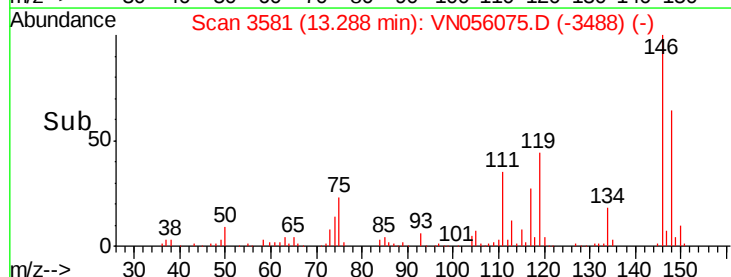
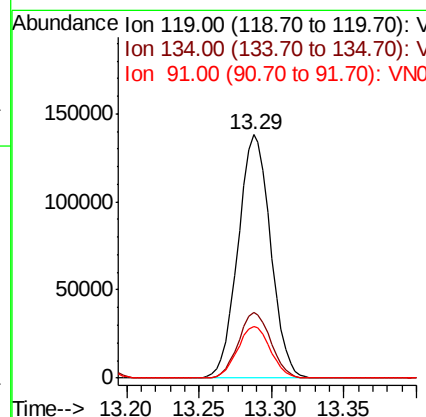
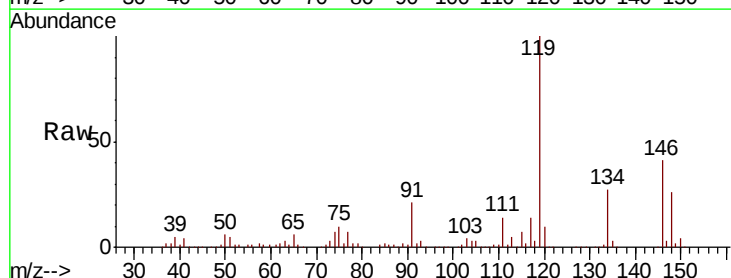
Tgt Ion:119 Resp: 214981

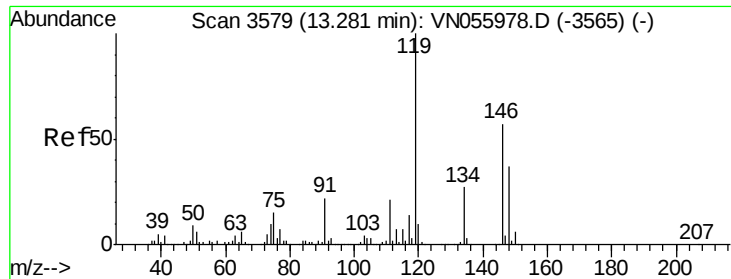
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.4 10.9 32.9





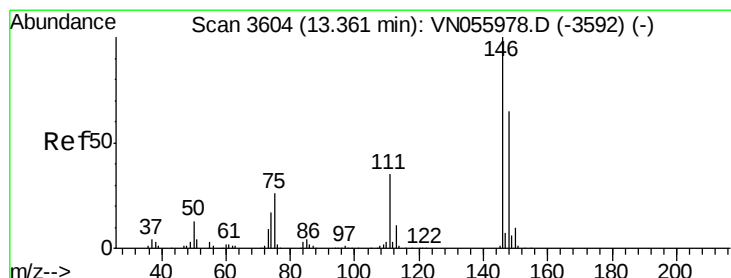
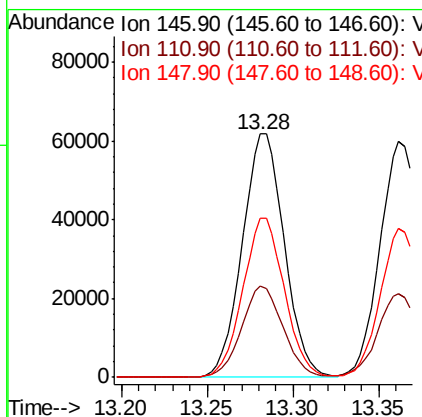
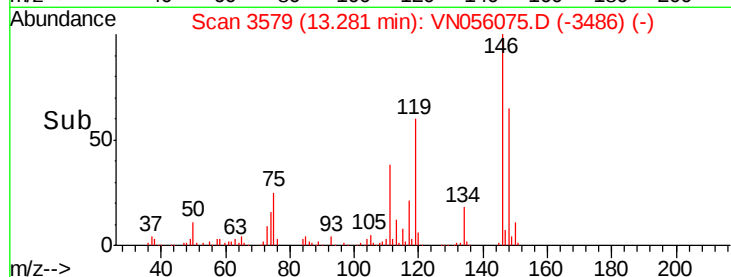
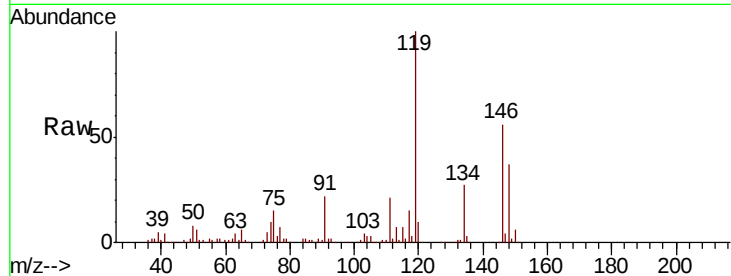
#87
 1,3-Dichlorobenzene
 Concen: 20.075 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.5	55.5
148	64.7	32.0	96.2

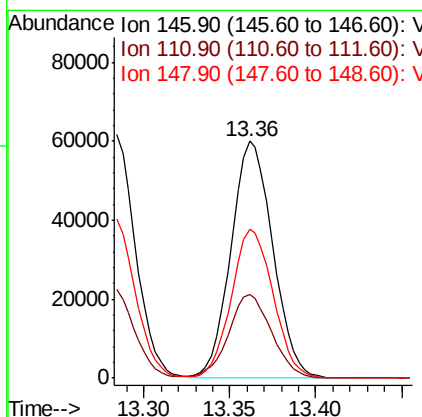
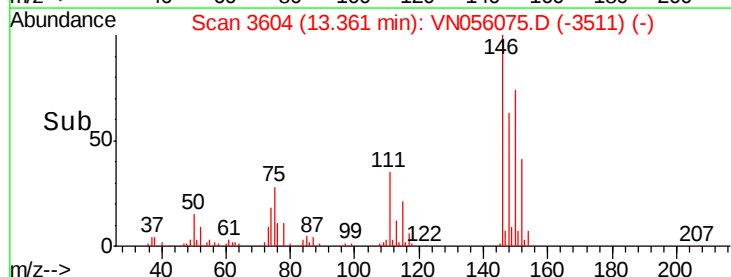
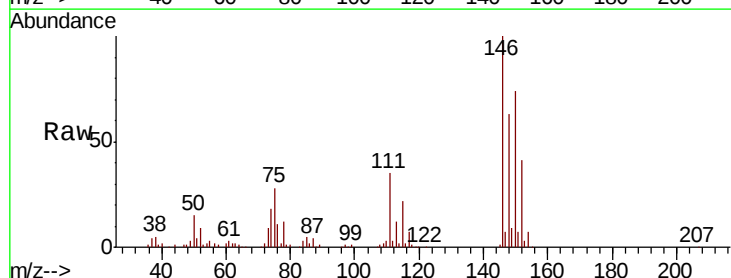
Manual Integrations
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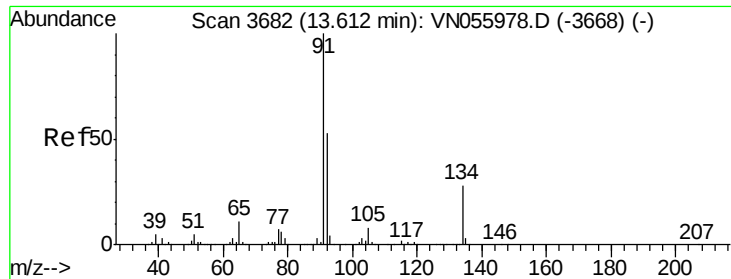
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 6/8/2019 3:00:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.293 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.4
148	62.9	32.1	96.5





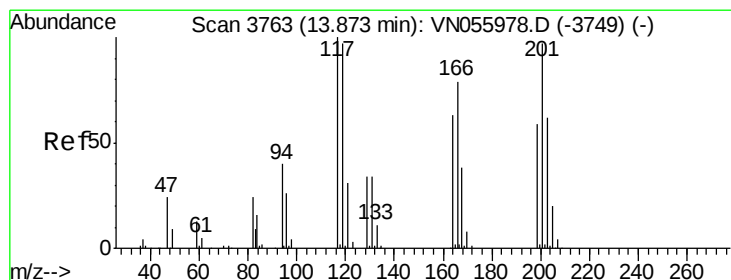
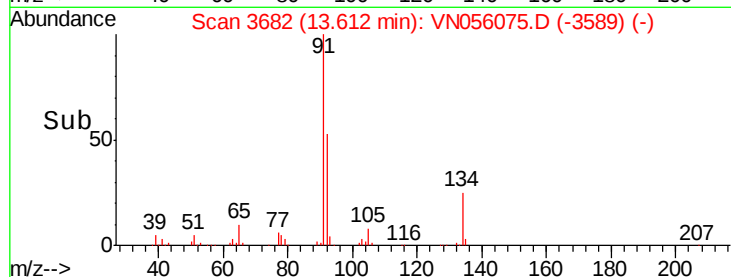
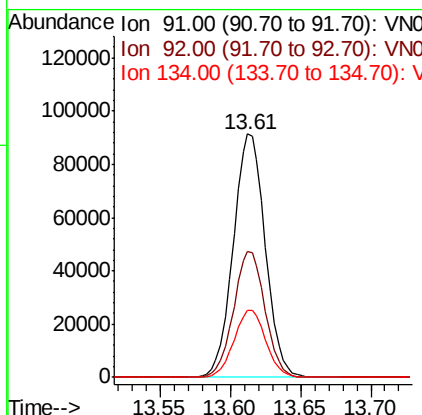
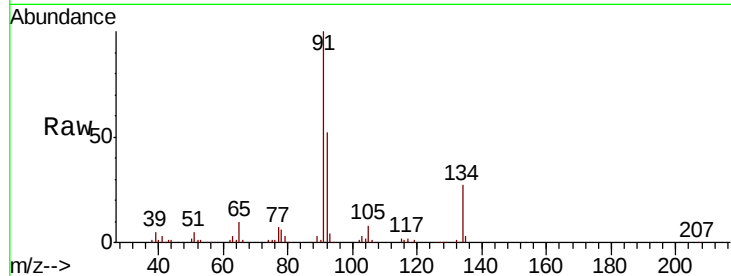
#89
n-Butylbenzene
Concen: 18.471 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.4	79.0
134	27.4	13.9	41.7

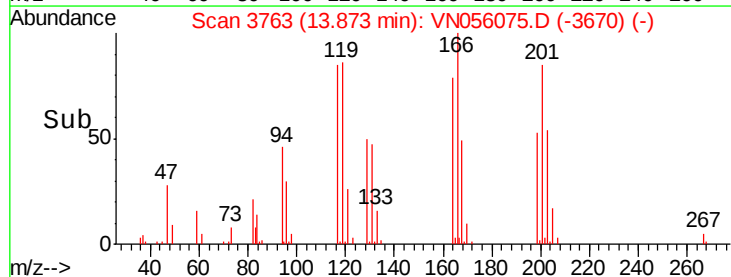
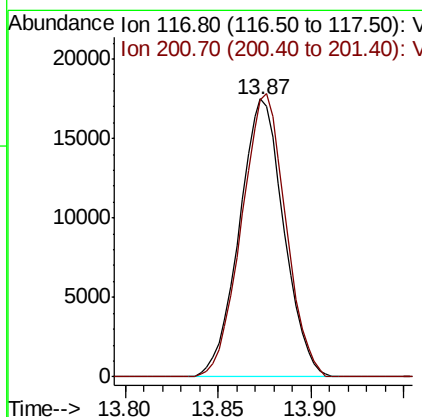
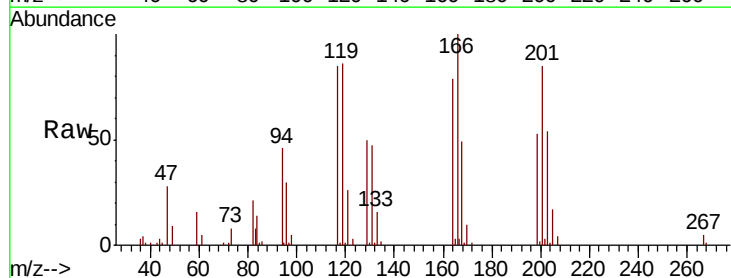
Manual Integrations
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6/8/2019 3:00:35 PM



#90
Hexachloroethane
Concen: 18.227 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.9	50.0	150.0





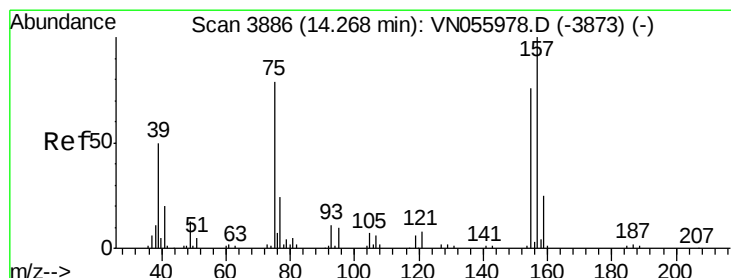
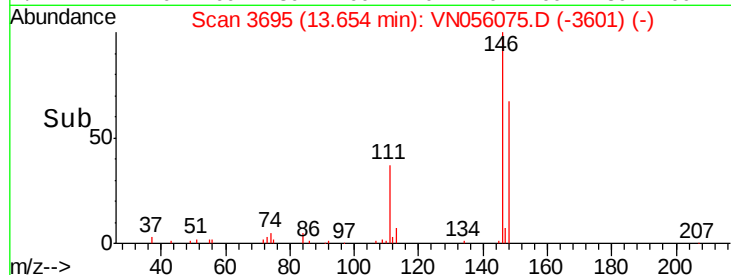
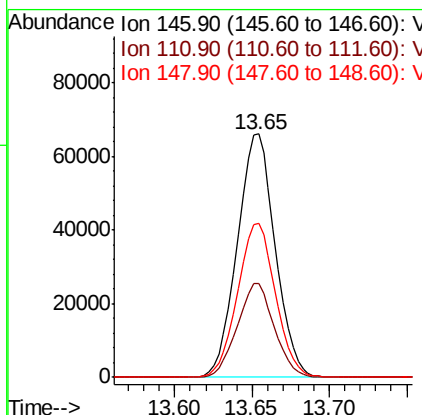
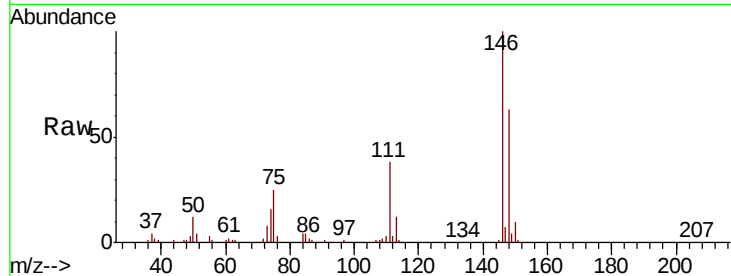
#91
 1,2-Dichlorobenzene
 Concen: 21.326 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	63.2	31.9	95.9

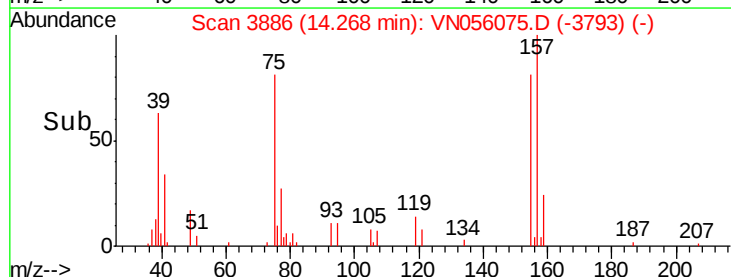
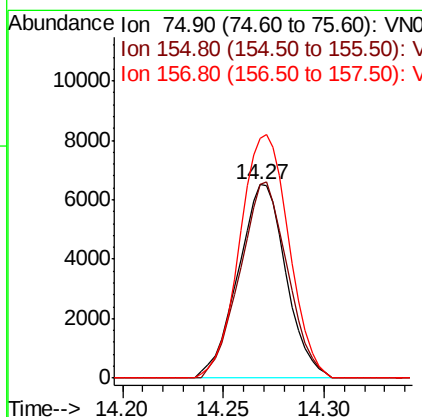
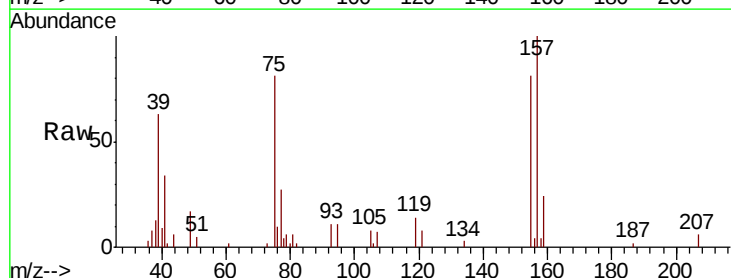
Manual Integrations
 APPROVED

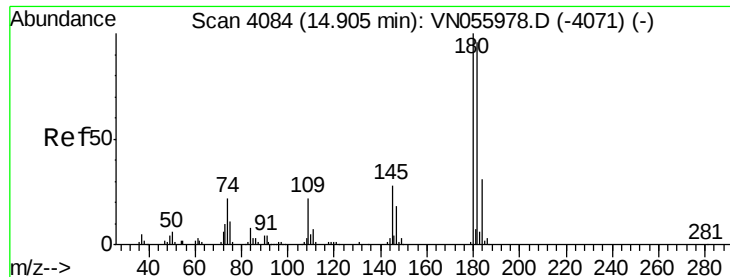
MMDadoda
 6/8/2019 3:00:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.724 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	50.0	150.1
157	128.7	64.8	194.3





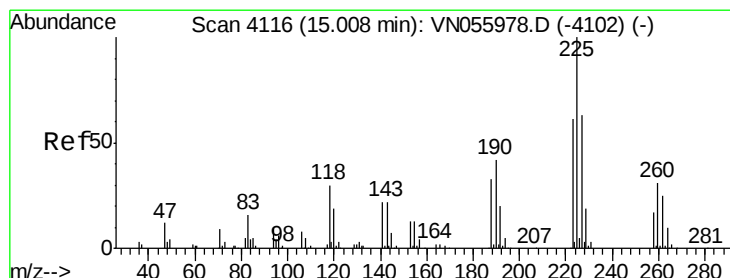
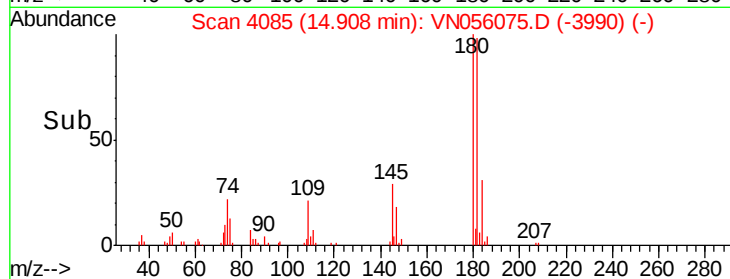
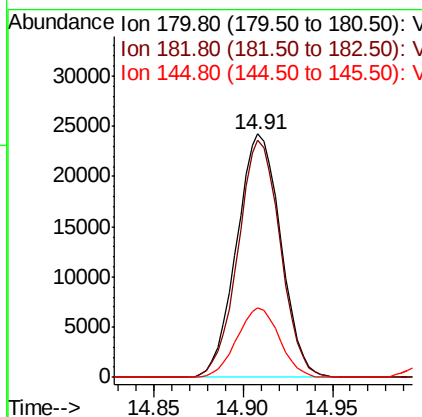
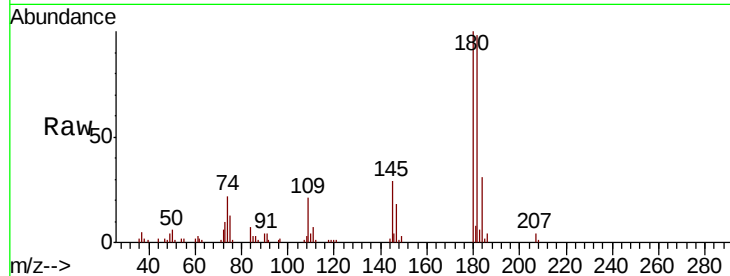
#93
 1,2,4-Trichlorobenzene
 Concen: 17.373 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Tot Ion:	180	Resp:	41651
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.3	144.9
145	27.5	14.0	41.9

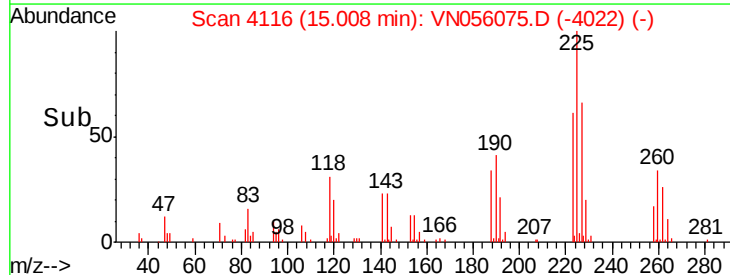
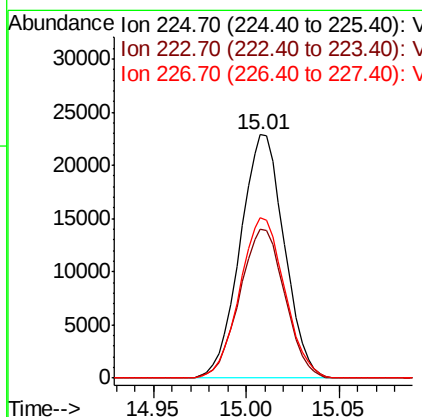
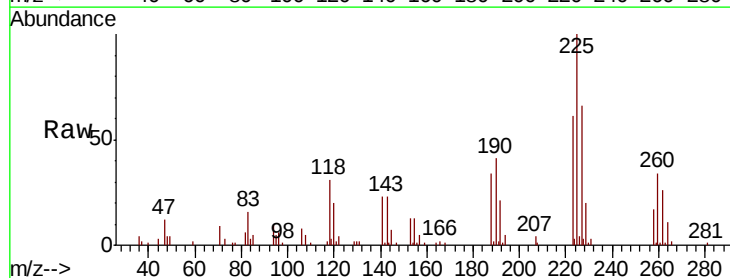
Manual Integrations
 APPROVED

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 6/8/2019 3:00:35 PM



#94
 Hexachlorobutadiene
 Concen: 19.586 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion:	225	Resp:	37734
Ion Ratio	Lower	Upper	
225	100		
223	62.7	30.9	92.7
227	67.0	31.6	94.7





#95

Naphthalene

Concen: 18.069 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

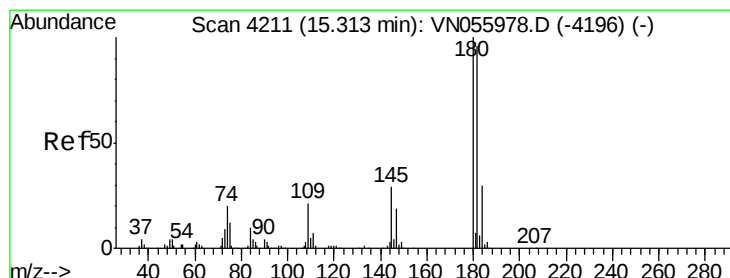
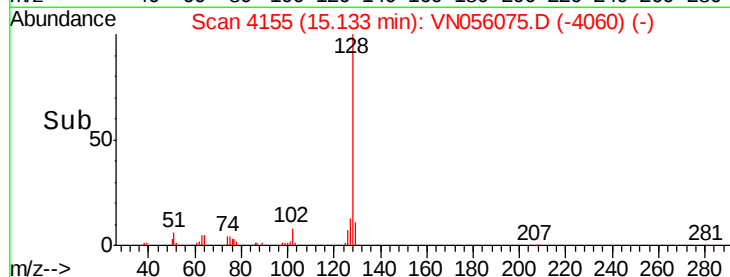
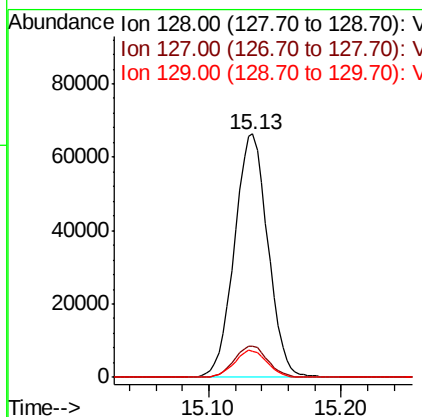
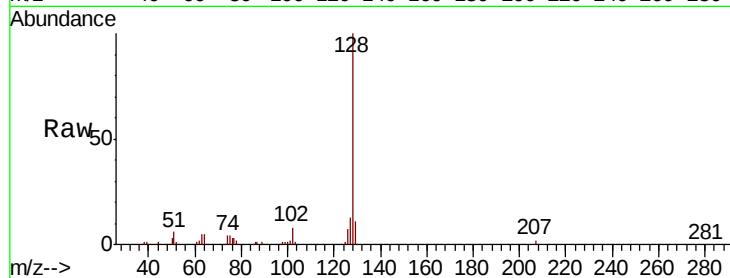
ClientSampleId :

VN0607WBS02

Tot Ion:	128	Resp:	116191
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/8/2019 3:00:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.845 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tgt Ion:	180	Resp:	49877
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	28.6	14.9	44.7

