

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056426.D
 Acq On : 21 Jun 2019 15:16
 Operator : JC/SP
 Sample : VN0621WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS02

Manual Integrations
 APPROVED

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 6/24/2019 4:16:22 PM

Quant Time: Jun 24 09:26:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	366195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	568279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	209516	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	7.59	113	179727	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.09	98	689758	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	220740	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	63390	20.443	ug/l	98
3) Chloromethane	2.06	50	81915	19.402	ug/l	99
4) Vinyl Chloride	2.18	62	82019	20.113	ug/l	98
5) Bromomethane	2.54	94	53229m	22.266	ug/l	
6) Chloroethane	2.68	64	48831	20.678	ug/l	94
7) Trichlorofluoromethane	3.00	101	106669	20.222	ug/l	100
8) Diethyl Ether	3.41	74	46372	20.772	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67805	20.157	ug/l	100
10) Methyl Iodide	3.95	142	91870	20.207	ug/l	99
11) Tert butyl alcohol	4.80	59	69021	100.972	ug/l	97
12) 1,1-Dichloroethene	3.73	96	66889	20.677	ug/l	99
13) Acrolein	3.61	56	50846	88.256	ug/l	98
14) Allyl chloride	4.32	41	107630	19.987	ug/l	99
15) Acrylonitrile	4.99	53	201312	106.453	ug/l	99
16) Acetone	3.82	43	179599	88.324	ug/l	99
17) Carbon Disulfide	4.05	76	133463	18.139	ug/l	100
18) Methyl Acetate	4.33	43	90547	22.254	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	224776	20.999	ug/l	100
20) Methylene Chloride	4.55	84	80812	20.558	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	70627	20.250	ug/l	98
22) Diisopropyl ether	5.96	45	236796	20.938	ug/l	94
23) Vinyl Acetate	5.90	43	967928	108.514	ug/l	100
24) 1,1-Dichloroethane	5.85	63	136083	20.962	ug/l	99
25) 2-Butanone	6.84	43	271351	100.828	ug/l	96
26) 2,2-Dichloropropane	6.82	77	84841	18.791	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	86553	21.212	ug/l	97
28) Bromochloromethane	7.19	49	64976	20.235	ug/l	100
29) Tetrahydrofuran	7.21	42	182382	110.896	ug/l	99
30) Chloroform	7.37	83	132882	20.744	ug/l	98
31) Cyclohexane	7.65	56	124742	19.904	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	104161	20.514	ug/l	100
36) 1,1-Dichloropropene	7.79	75	95516	19.096	ug/l	99
37) Ethyl Acetate	6.93	43	106251	21.615	ug/l	98
38) Carbon Tetrachloride	7.77	117	87427	19.988	ug/l	98

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Quant Time: Jun 24 09:26:05 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	119323	19.333	ug/l	100
40) Benzene	8.04	78	310672	20.192	ug/l	98
41) Methacrylonitrile	7.17	41	40963m	18.872	ug/l	
42) 1,2-Dichloroethane	8.13	62	105353	20.749	ug/l	99
43) Isopropyl Acetate	8.17	43	157994	20.844	ug/l	99
44) Trichloroethene	8.84	130	82569	19.922	ug/l	96
45) 1,2-Dichloropropane	9.12	63	85109	20.684	ug/l	98
46) Dibromomethane	9.21	93	53798	20.898	ug/l	100
47) Bromodichloromethane	9.40	83	95176	20.846	ug/l	96
48) Methyl methacrylate	9.20	41	77148	20.311	ug/l	99
49) 1,4-Dioxane	9.21	88	32776	415.816	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	522274	106.757	ug/l	100
52) Toluene	10.16	92	193720	20.594	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	94687	19.668	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	113070	20.565	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	80886	21.393	ug/l	98
56) Ethyl methacrylate	10.43	69	117238	21.217	ug/l	99
57) 1,3-Dichloropropane	10.71	76	133465	21.012	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	193878	97.666	ug/l	99
59) 2-Hexanone	10.75	43	363203	101.014	ug/l	99
60) Dibromochloromethane	10.90	129	69403	19.389	ug/l	100
61) 1,2-Dibromoethane	11.00	107	79889	20.687	ug/l	99
64) Tetrachloroethene	10.63	164	82708	21.031	ug/l	99
65) Chlorobenzene	11.43	112	202520	20.295	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	72386	21.463	ug/l	99
67) Ethyl Benzene	11.51	91	353426	20.172	ug/l	100
68) m/p-Xylenes	11.62	106	261870	40.783	ug/l	99
69) o-Xylene	11.95	106	129740	20.423	ug/l	99
70) Styrene	11.96	104	204394	20.129	ug/l	98
71) Bromoform	12.13	173	46295	19.089	ug/l #	100
73) Isopropylbenzene	12.25	105	342011	23.423	ug/l	99
74) N-amyl acetate	12.07	43	125255	21.480	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	108284	23.805	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	95733m	25.198	ug/l	
77) Bromobenzene	12.53	156	85255	20.810	ug/l	97
78) n-propylbenzene	12.59	91	354527	21.129	ug/l	99
79) 2-Chlorotoluene	12.67	91	222343	22.789	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	276034	22.705	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21226	19.857	ug/l	91
82) 4-Chlorotoluene	12.77	91	203104	20.501	ug/l	100
83) tert-Butylbenzene	12.99	119	245324	22.921	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	257013	20.837	ug/l	100
85) sec-Butylbenzene	13.17	105	312009	21.156	ug/l	100
86) p-Isopropyltoluene	13.29	119	258614	20.433	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	126754	20.416	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	118015	19.627	ug/l	99
89) n-Butylbenzene	13.61	91	175802	18.348	ug/l	99
90) Hexachloroethane	13.87	117	40073	20.308	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	130428	21.174	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14499	21.386	ug/l	97

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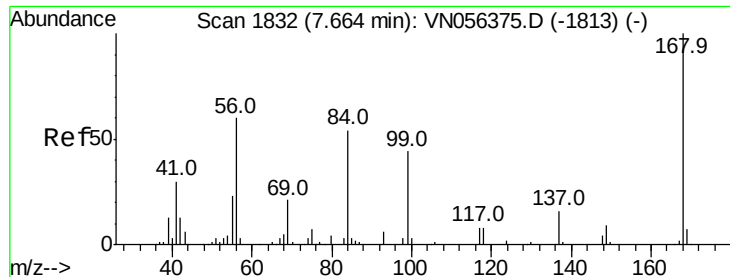
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41573	17.119	ug/l	98
94) Hexachlorobutadiene	15.01	225	45156	20.524	ug/l	99
95) Naphthalene	15.13	128	122731	18.348	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50606	18.342	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS02

Tot Ion:168 Resp: 366195

Ion Ratio Lower Upper

168 100

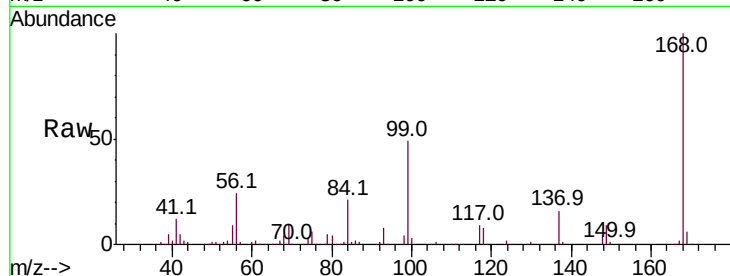
99 48.5 40.6 61.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

100000

50000

0

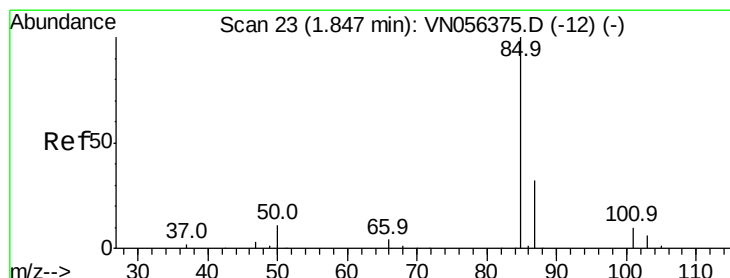
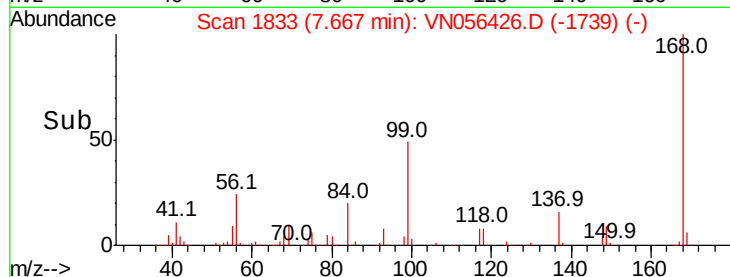
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.443 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056426.D

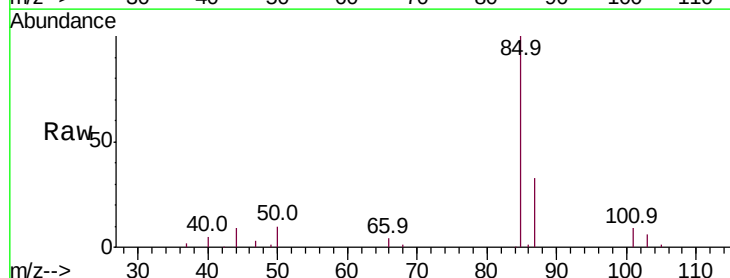
Acq: 21 Jun 2019 15:16

Tgt Ion: 85 Resp: 63390

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

40000

30000

20000

10000

0

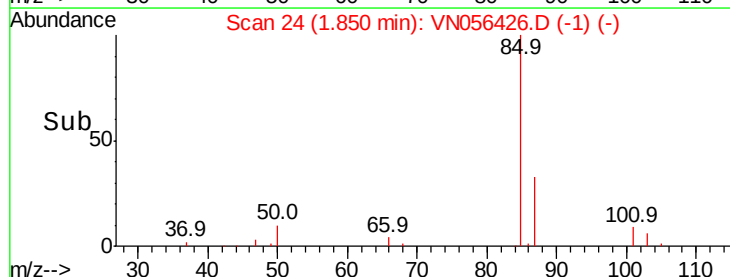
1.85

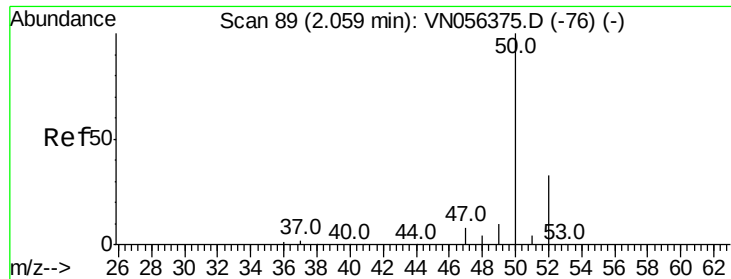
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 19.402 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS02

Tot Ion: 50 Resp: 81915

Ion Ratio Lower Upper

50 100

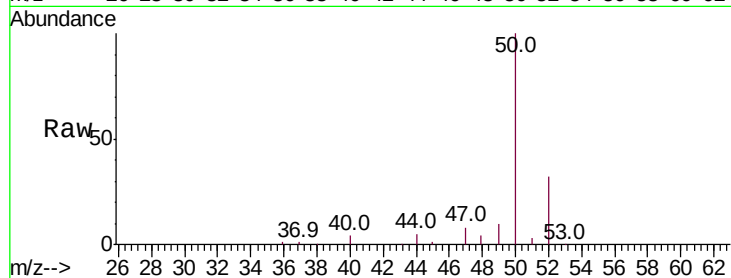
52 32.3 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

50000

40000

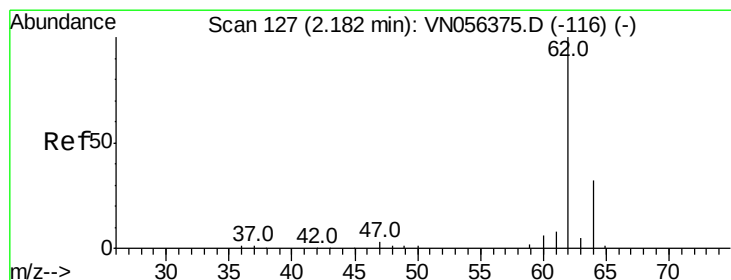
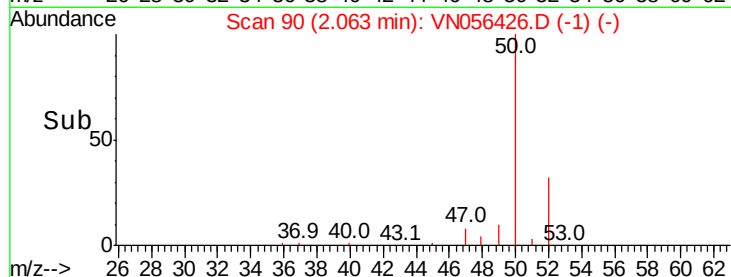
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 20.113 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056426.D

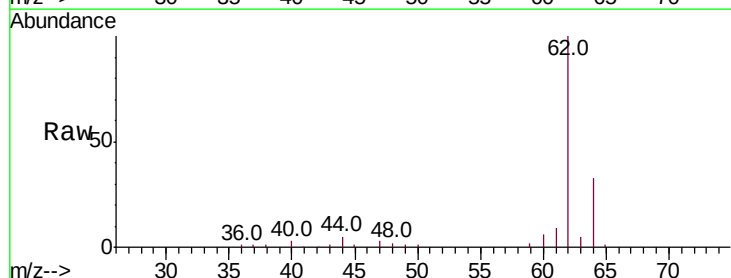
Acq: 21 Jun 2019 15:16

Tgt Ion: 62 Resp: 82019

Ion Ratio Lower Upper

62 100

64 33.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

50000

40000

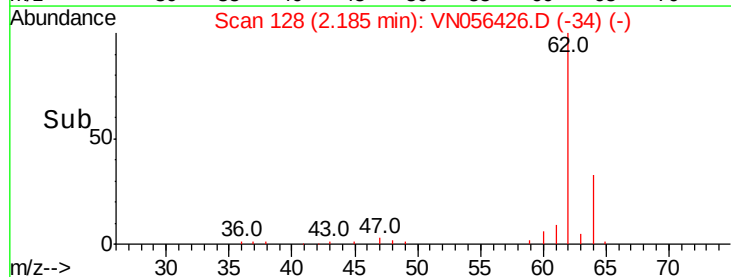
30000

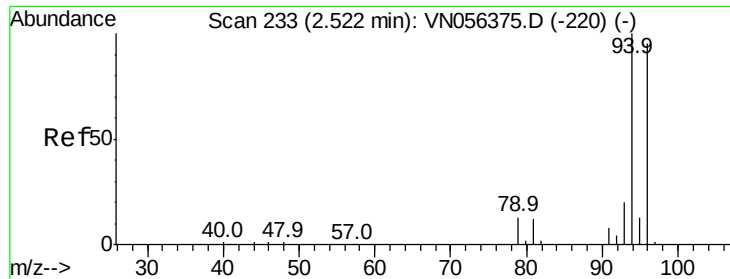
20000

10000

0

Time-->





#5

Bromomethane

Concen: 22.266 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS02

Tot Ion: 94 Resp: 53229

Ion Ratio Lower Upper

94 100

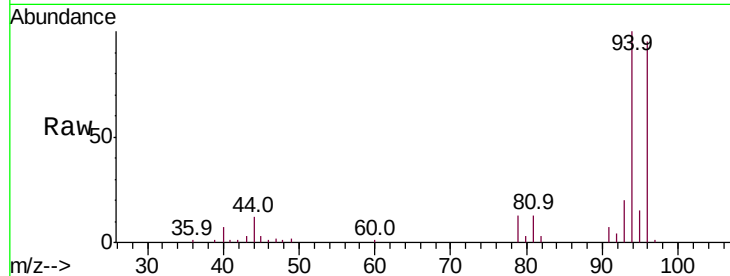
96 95.1 76.0 114.0

Manual Integrations

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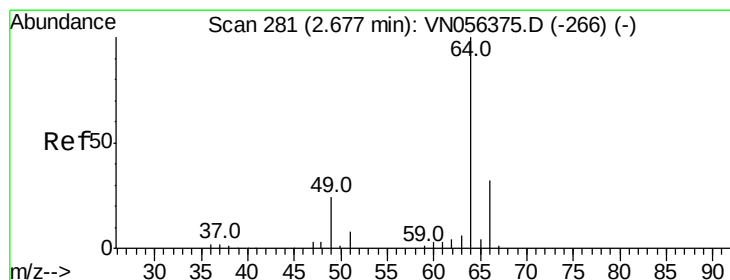
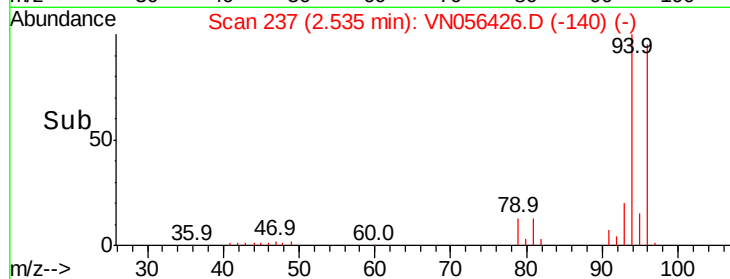
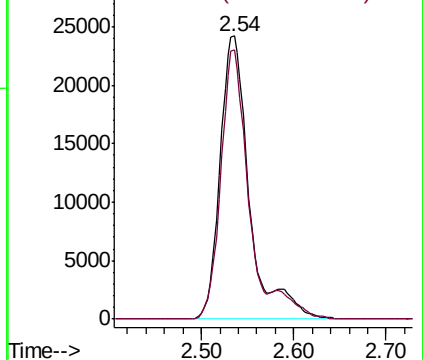
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.678 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN056426.D

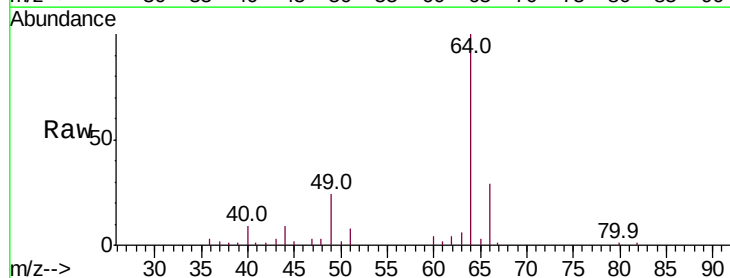
Acq: 21 Jun 2019 15:16

Tgt Ion: 64 Resp: 48831

Ion Ratio Lower Upper

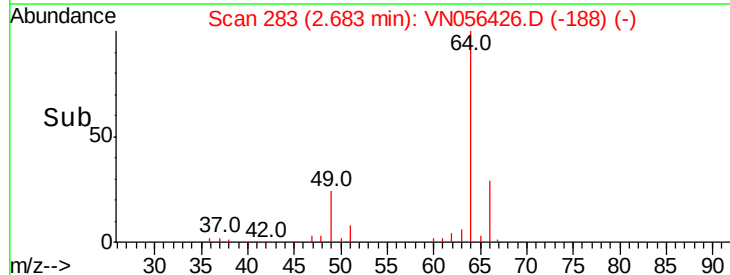
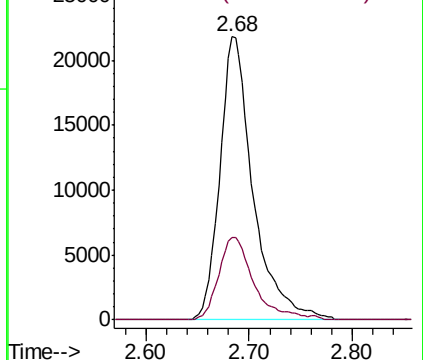
64 100

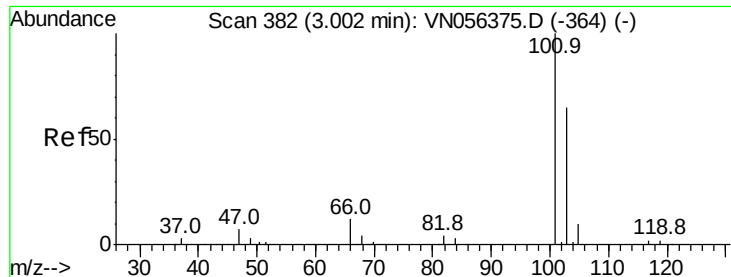
66 28.9 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

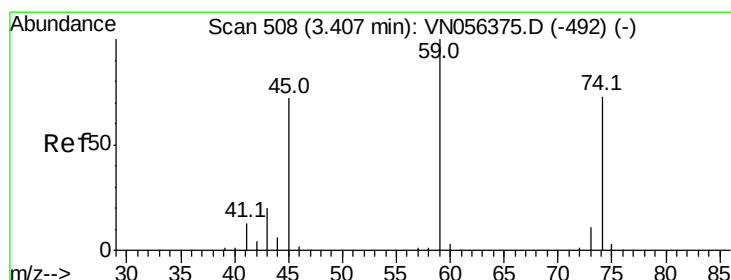
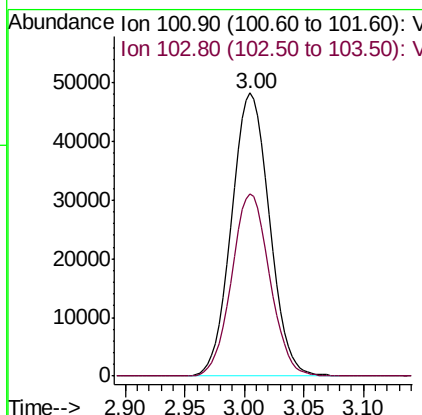
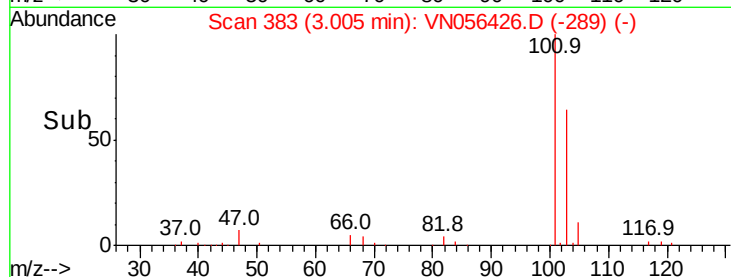
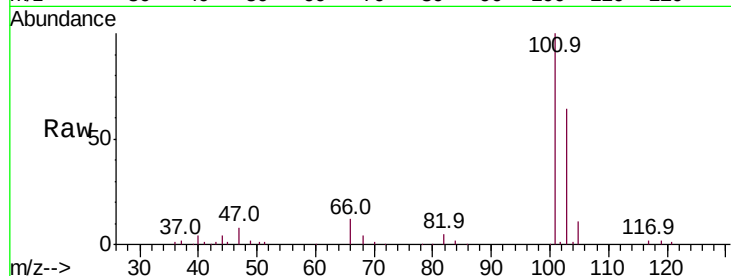
Trichlorofluoromethane
Concen: 20.222 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
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VN0621WBS02

Tot Ion:101 Resp: 106669
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5

Manual Integrations
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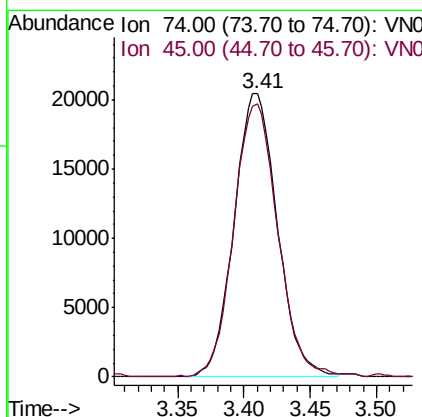
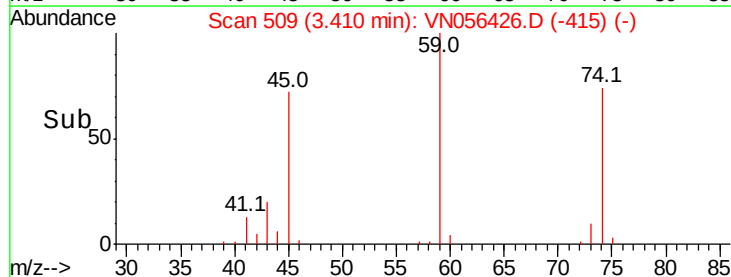
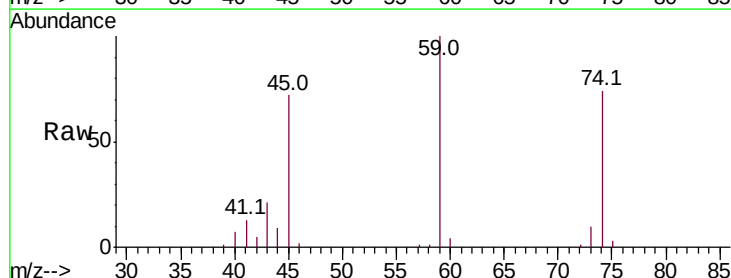
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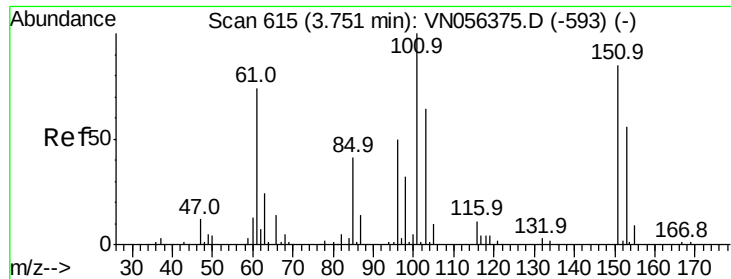


#8

Diethyl Ether
Concen: 20.772 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion: 74 Resp: 46372
Ion Ratio Lower Upper
74 100
45 98.6 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.157 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

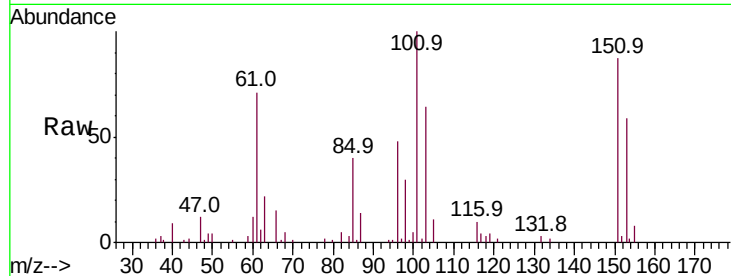
ClientSampleId :

VN0621WBS02

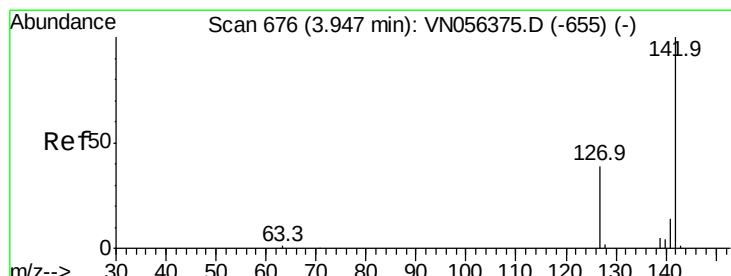
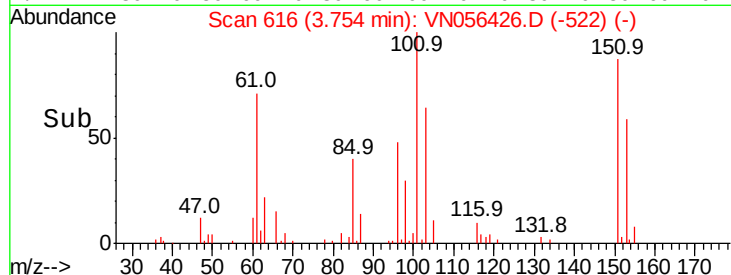
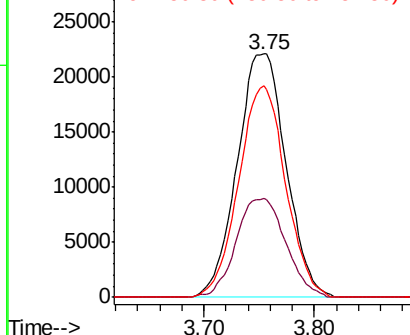
Tot Ion:	101	Resp:	67805
Ion Ratio	Lower	Upper	
101	100		
85	41.2	32.7	49.1
151	83.5	66.8	100.2

Manual Integrations
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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: 20.207 ug/l

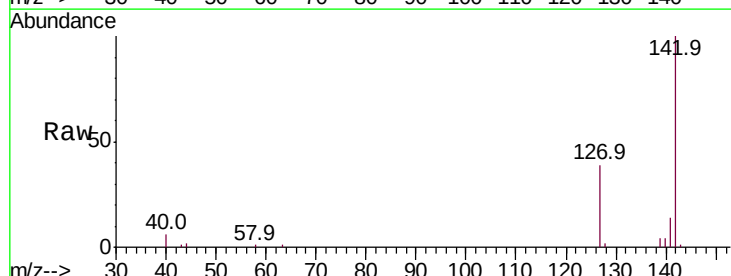
RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

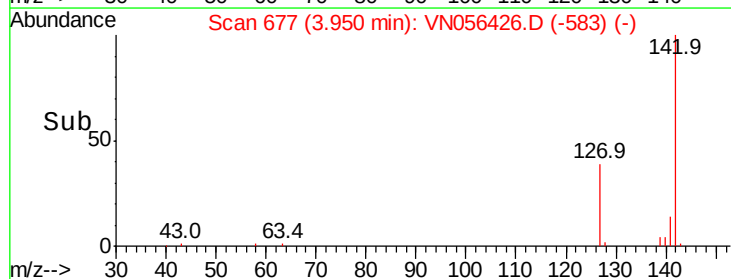
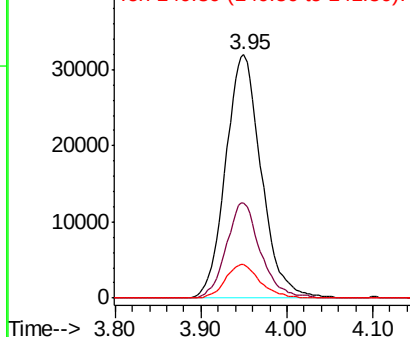
Lab File: VN056426.D

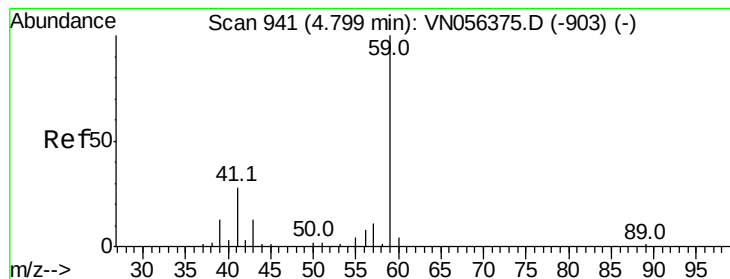
Acq: 21 Jun 2019 15:16

Tgt Ion:	142	Resp:	91870
Ion Ratio	Lower	Upper	
142	100		
127	37.5	30.6	46.0
141	13.5	11.4	17.2



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

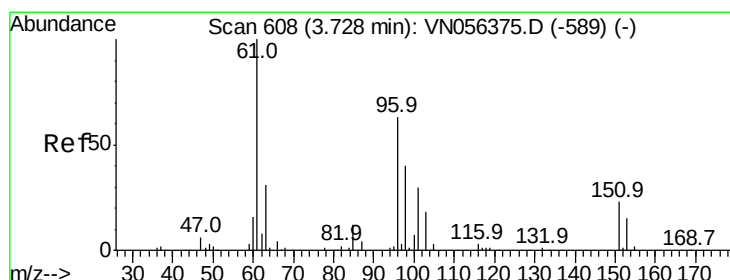
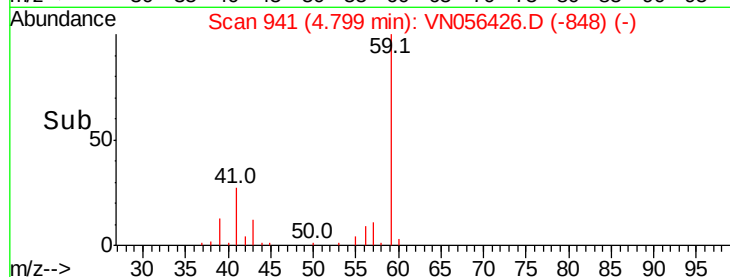
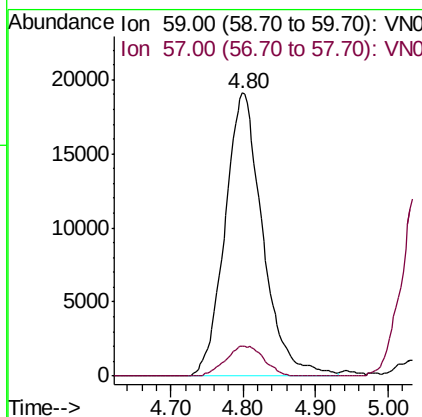
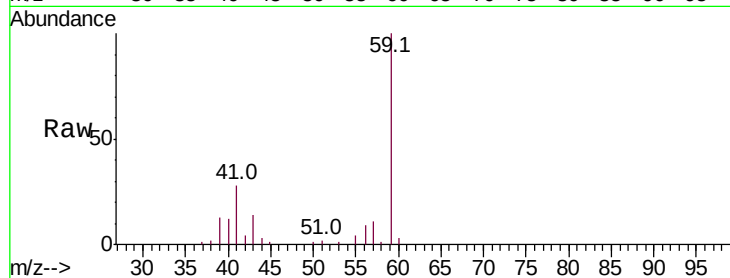
Tert butyl alcohol
Concen: 100.972 ug/l
RT: 4.80 min Scan# 941
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion	59	Resp	69021
Ion Ratio	100	Lower	Upper
57	10.7	7.6	11.4

Manual Integrations
APPROVED

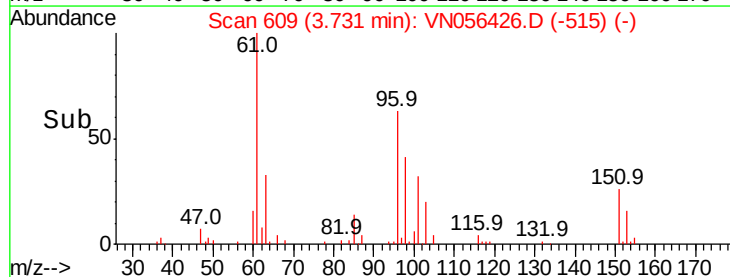
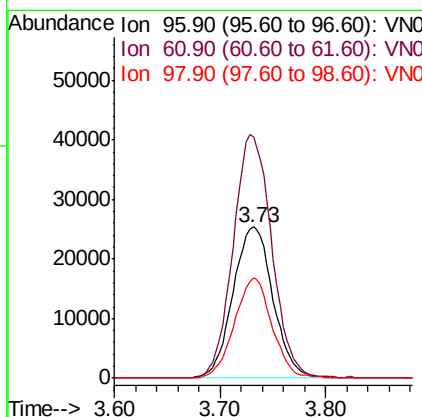
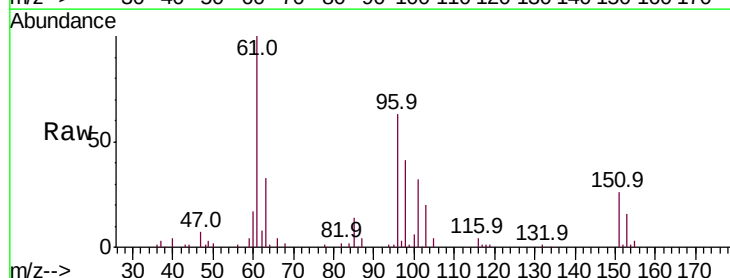
MMDadoda
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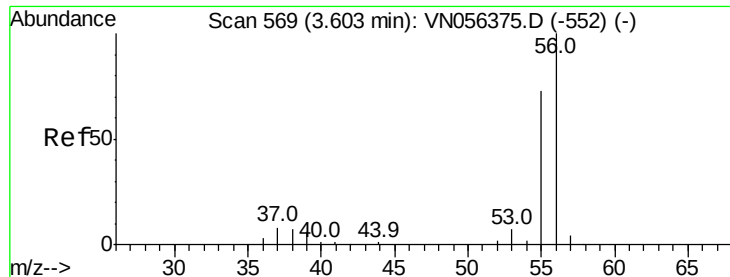


#12

1,1-Dichloroethene
Concen: 20.677 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	96	Resp	66889
Ion Ratio	100	Lower	Upper
61	159.6	126.6	190.0
98	65.9	51.1	76.7





#13

Acrolein

Concen: 88.256 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS02

Tot Ion: 56 Resp: 50846

Ion Ratio Lower Upper

56 100

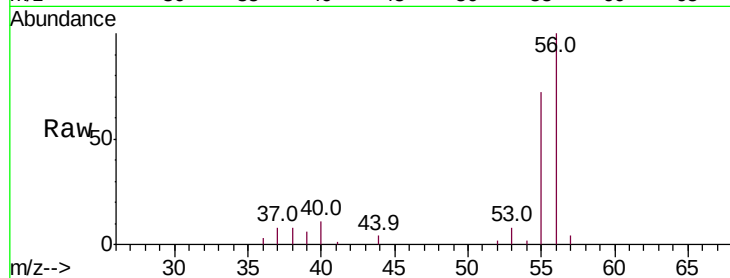
55 73.0 57.1 85.7

Manual Integrations

APPROVED

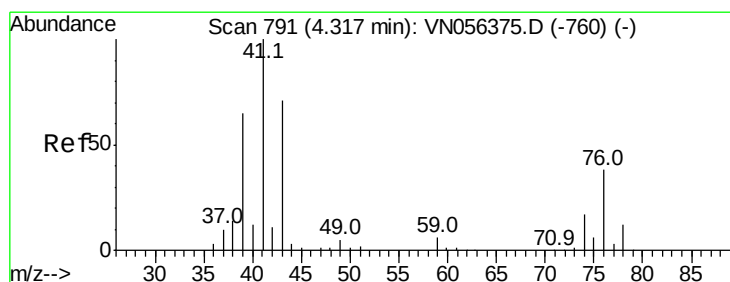
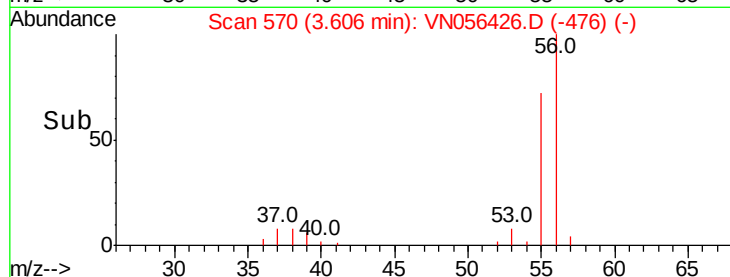
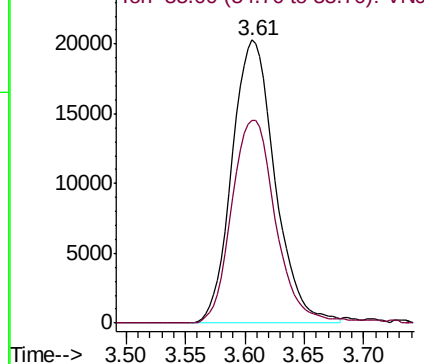
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.987 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

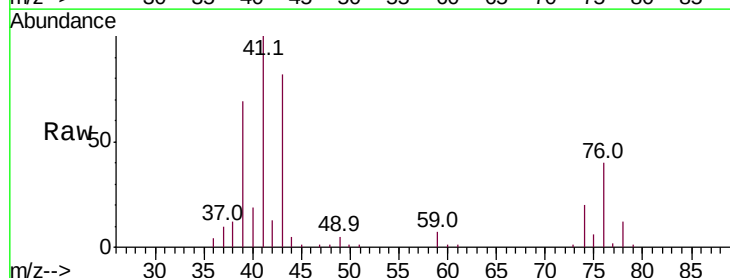
Tgt Ion: 41 Resp: 107630

Ion Ratio Lower Upper

41 100

39 62.4 48.6 73.0

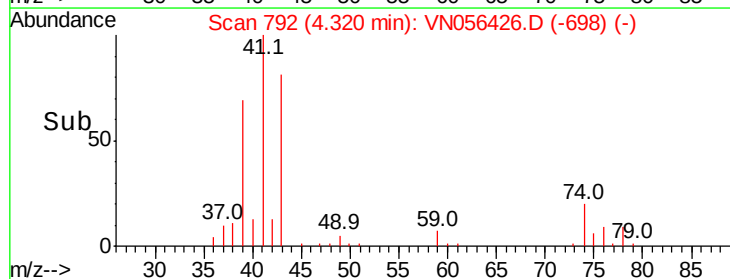
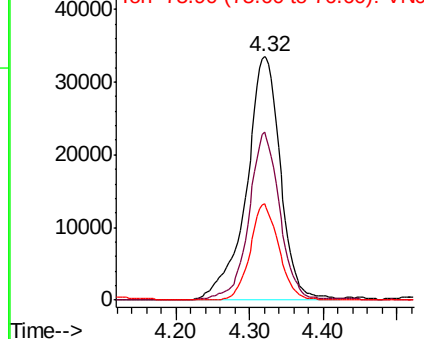
76 33.2 26.6 40.0

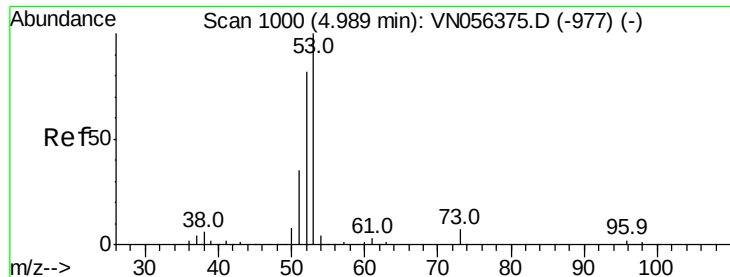


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 106.453 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

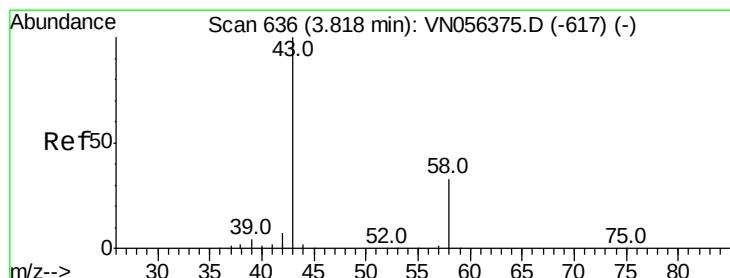
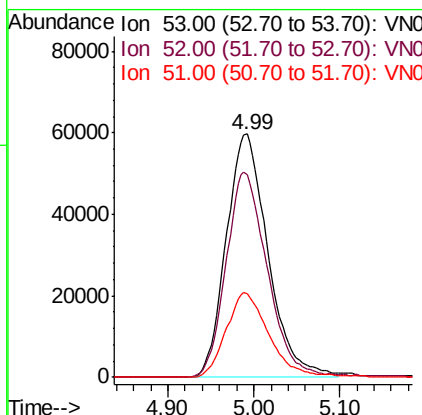
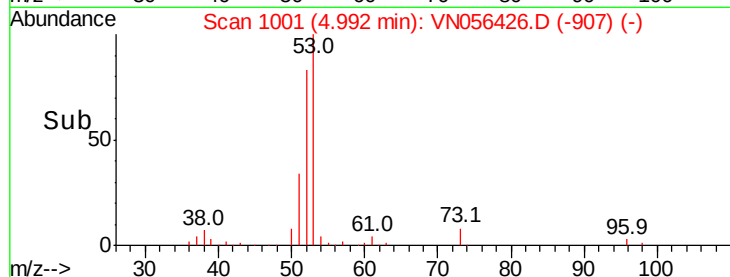
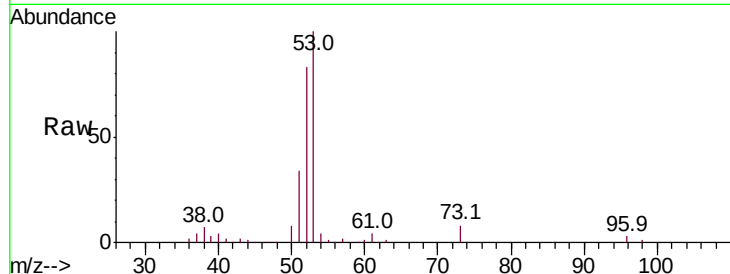
ClientSampleId :

VN0621WBS02

Tot Ion:	53	Resp:	201312
Ion Ratio	Lower	Upper	
53	100		
52	83.6	65.9	98.9
51	35.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 88.324 ug/l

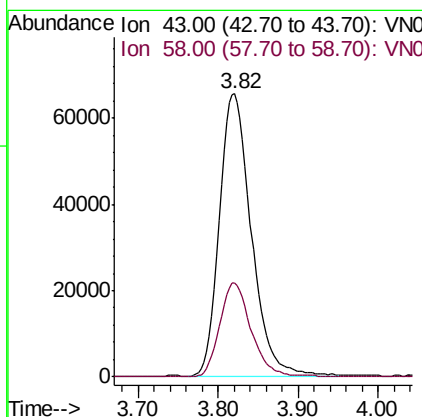
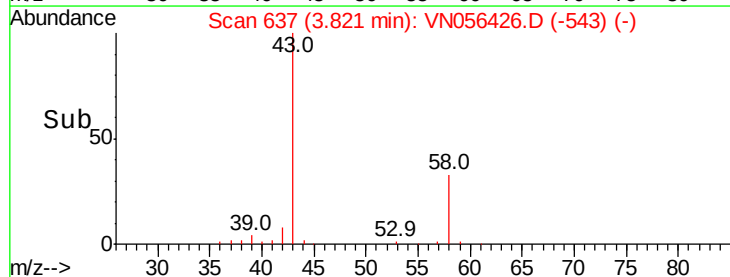
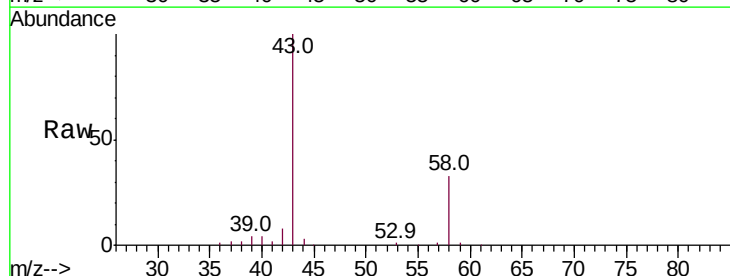
RT: 3.82 min Scan# 637

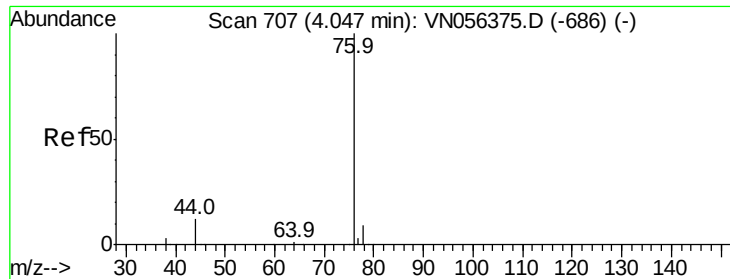
Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Tgt Ion:	43	Resp:	179599
Ion Ratio	Lower	Upper	
43	100		
58	33.4	26.4	39.6





#17

Carbon Disulfide

Concen: 18.139 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS02

Tot Ion: 76 Resp: 133463

Ion Ratio Lower Upper

76 100

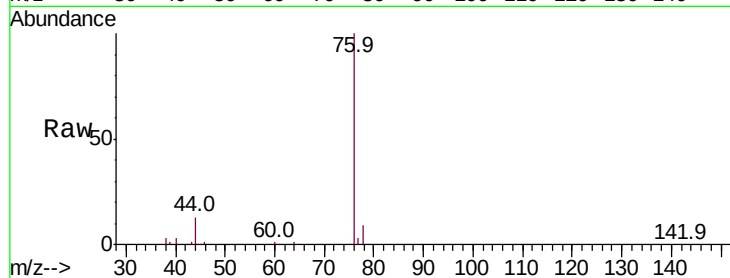
78 8.8 7.1 10.7

Manual Integrations

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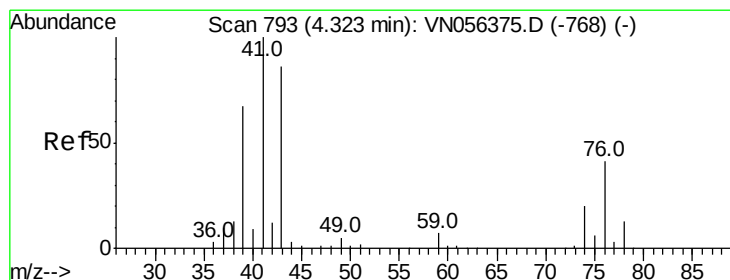
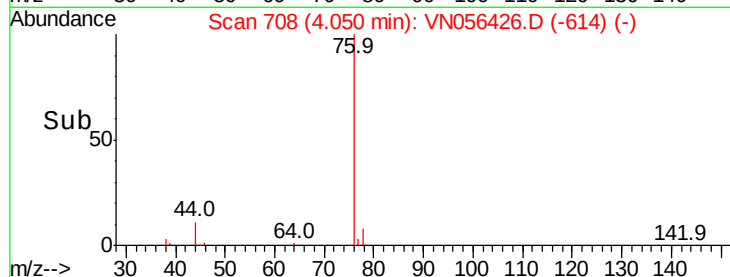
Abundance Ion 75.90 (75.60 to 76.60): VN056375.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN056375.D (-686) (-)

4.05

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 22.254 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056426.D

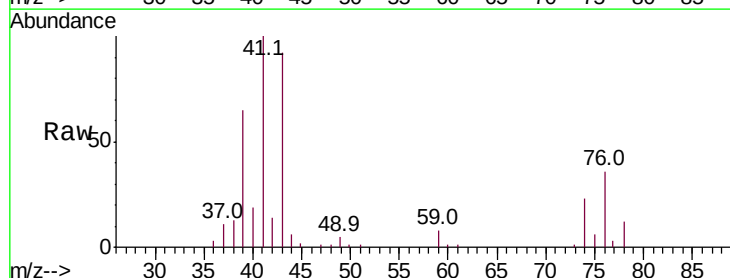
Acq: 21 Jun 2019 15:16

Tgt Ion: 43 Resp: 90547

Ion Ratio Lower Upper

43 100

74 22.7 19.2 28.8



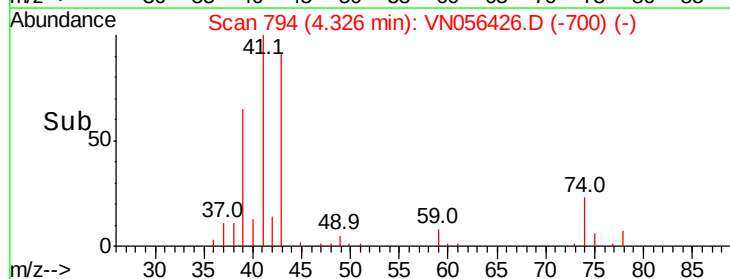
Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-768) (-)

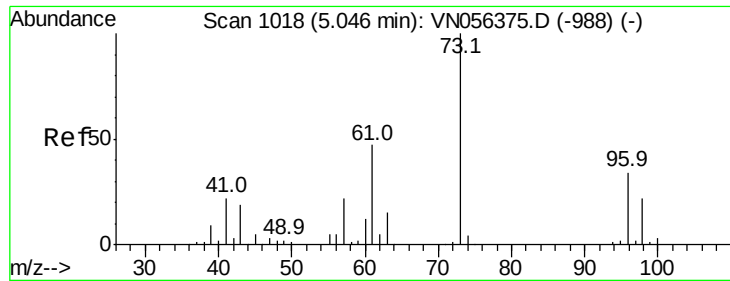
Ion 74.00 (73.70 to 74.70): VN056375.D (-768) (-)

4.33

4.20 4.30 4.40 4.50

Time-->





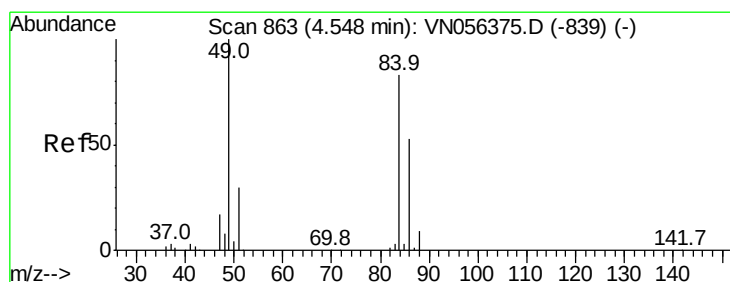
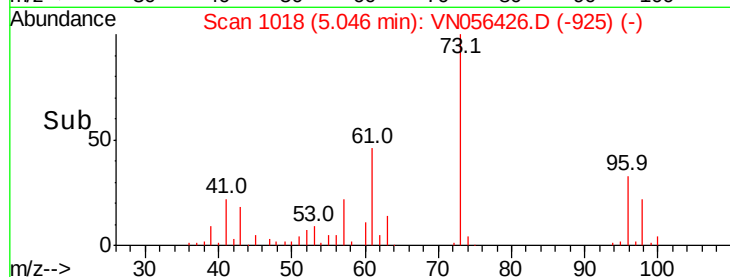
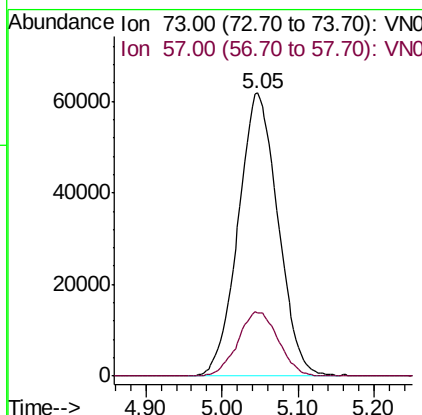
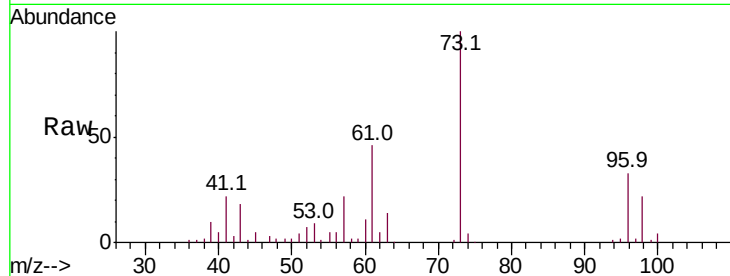
#19
Methvl tert-butvl Ether
Concen: 20.999 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion: 73 Resp: 224776
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

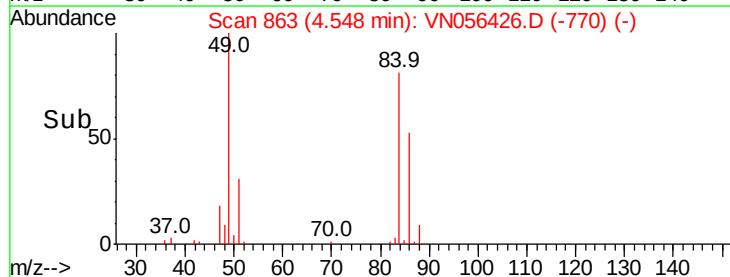
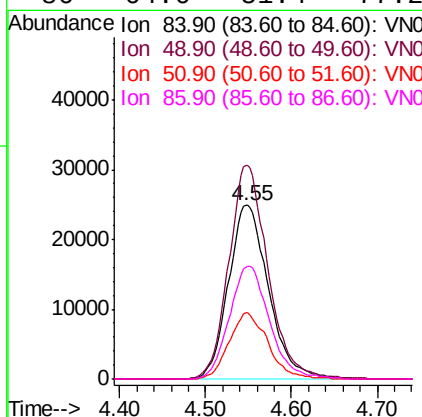
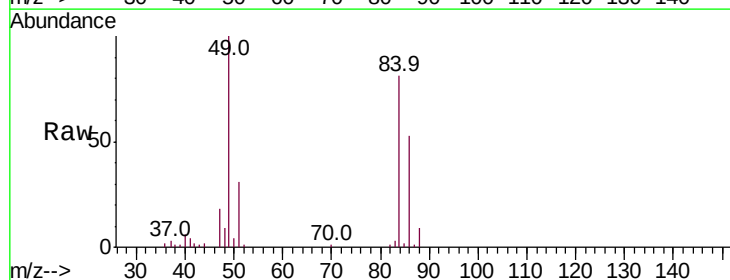
Manual Integrations
APPROVED

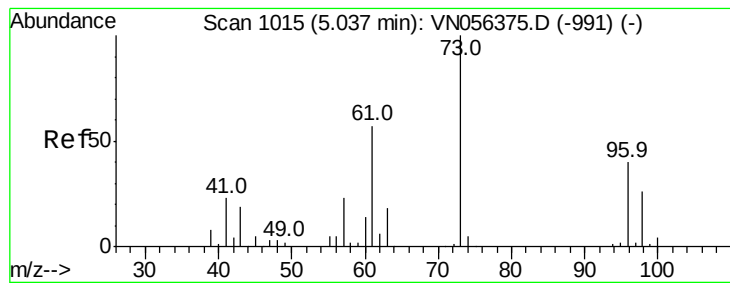
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#20
Methylene Chloride
Concen: 20.558 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion: 84 Resp: 80812
Ion Ratio Lower Upper
84 100
49 122.8 96.4 144.6
51 38.3 28.6 43.0
86 64.6 51.4 77.2





#21

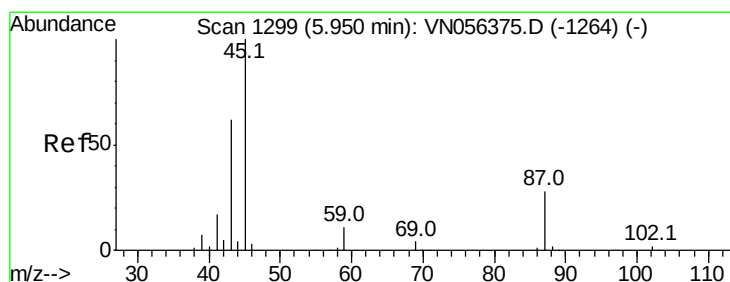
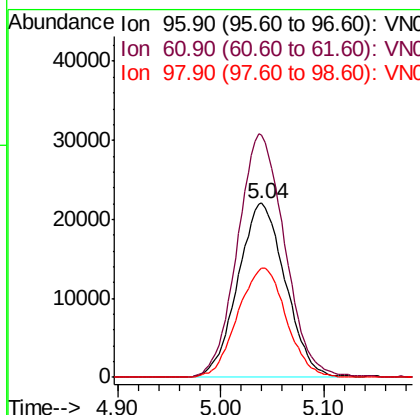
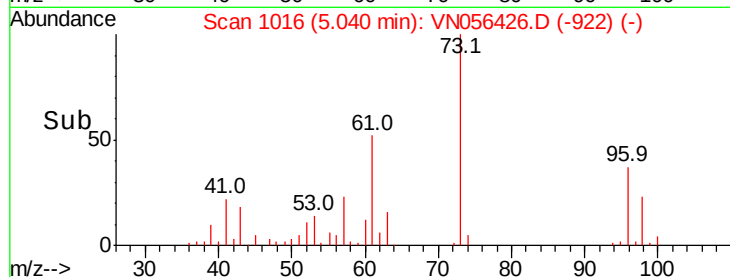
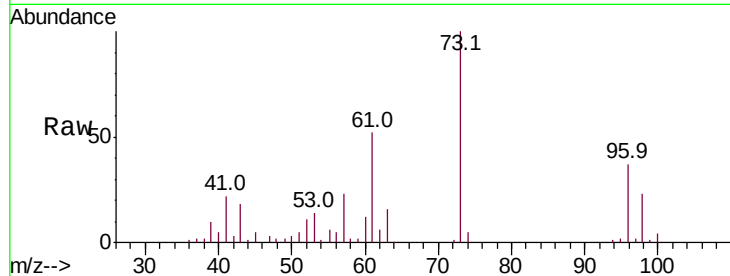
trans-1,2-Dichloroethene
Concen: 20.250 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	113.0	169.6
98	62.5	52.2	78.2

Manual Integrations
APPROVED

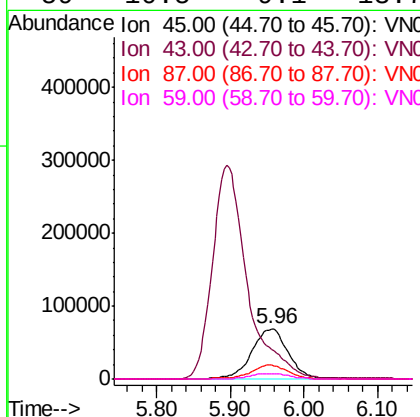
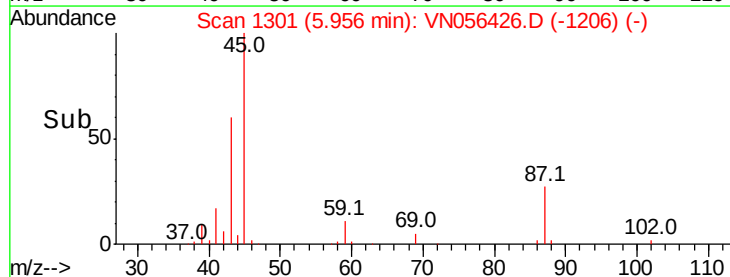
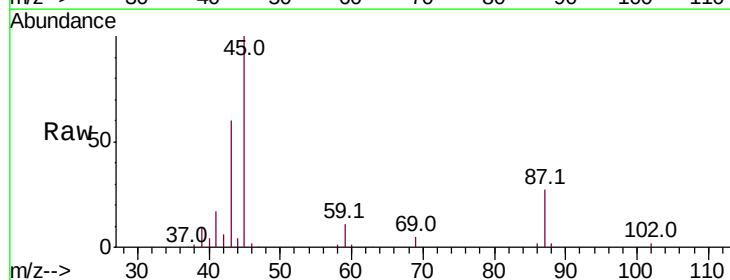
MMDadoda
6/24/2019 4:16:22 PM

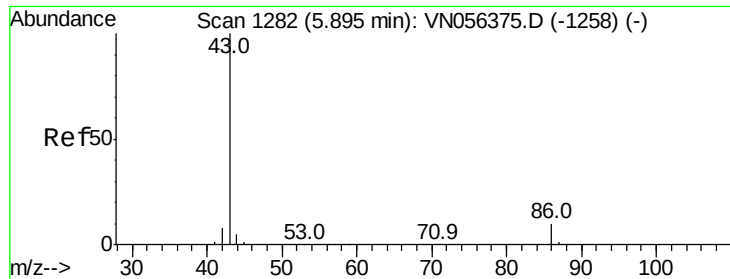


#22

Diisopropyl ether
Concen: 20.938 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	50.4	75.6
87	27.0	23.0	34.4
59	10.5	9.1	13.7





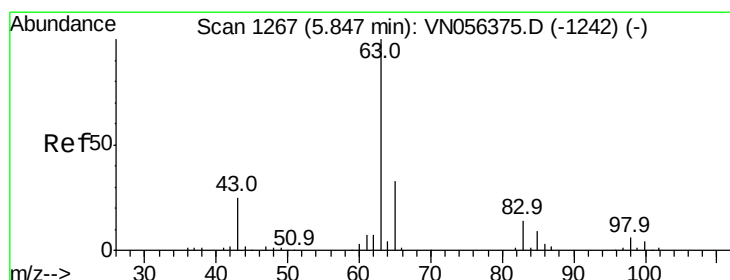
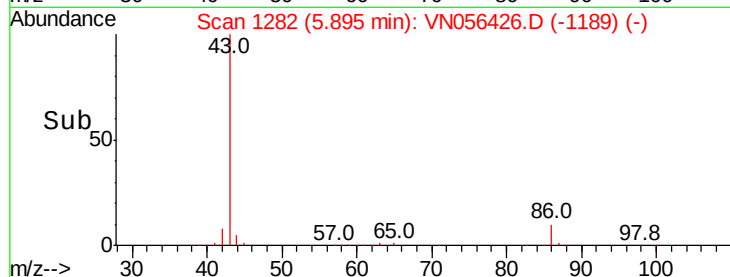
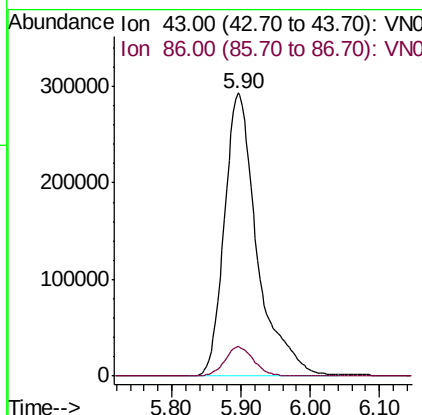
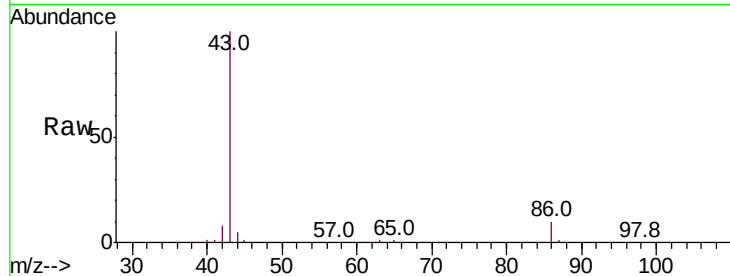
#23
 Vinyl Acetate
 Concen: 108.514 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

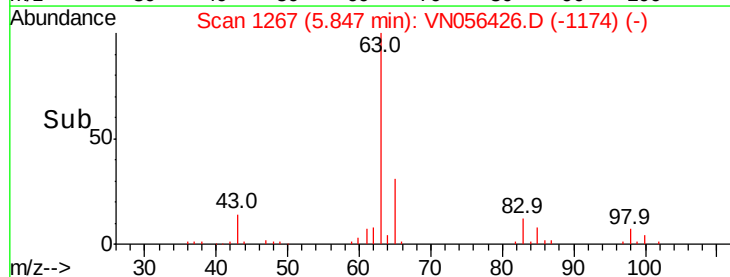
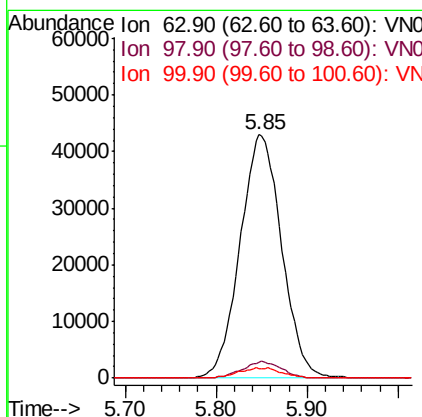
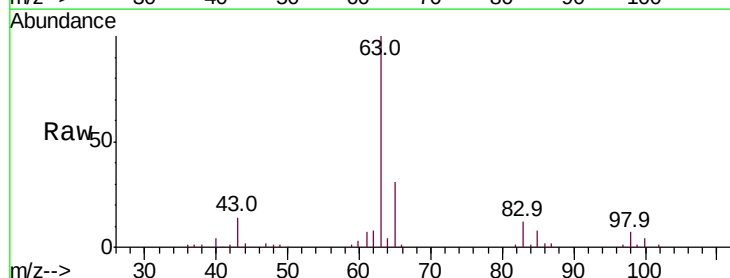
Manual Integrations
 APPROVED

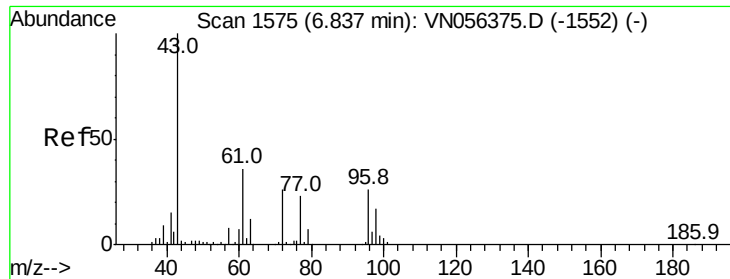
MMDadoda
 6/24/2019 4:16:22 PM



#24
 1,1-Dichloroethane
 Concen: 20.962 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.2	9.6
100	4.0	2.1	6.5





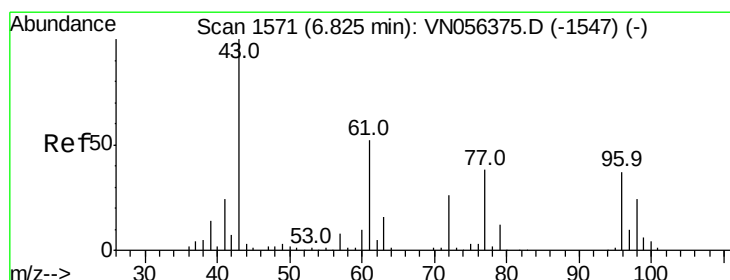
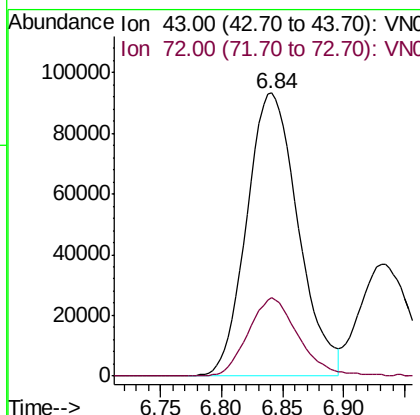
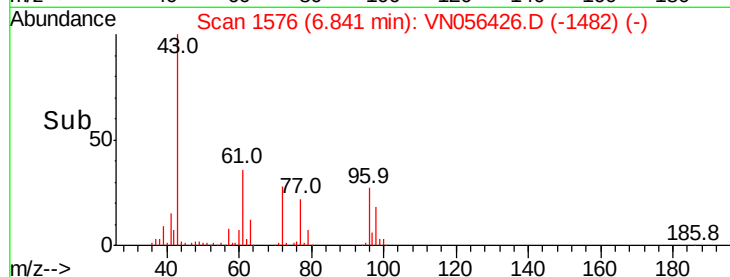
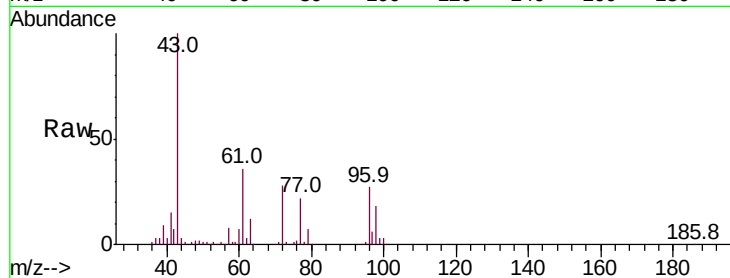
#25
2-Butanone
Concen: 100.828 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampled :
VN0621WBS02

Tot Ion: 43 Resp: 271351
Ion Ratio Lower Upper
43 100
72 27.6 20.6 31.0

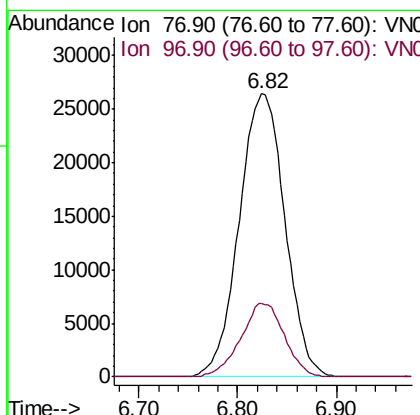
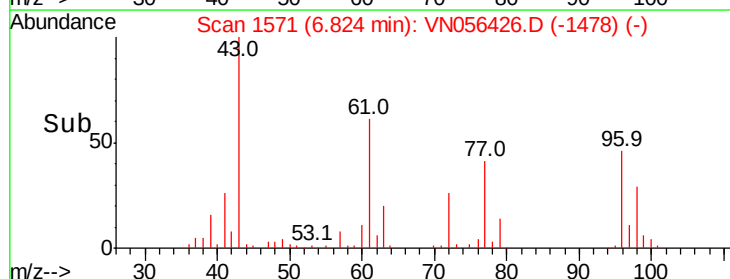
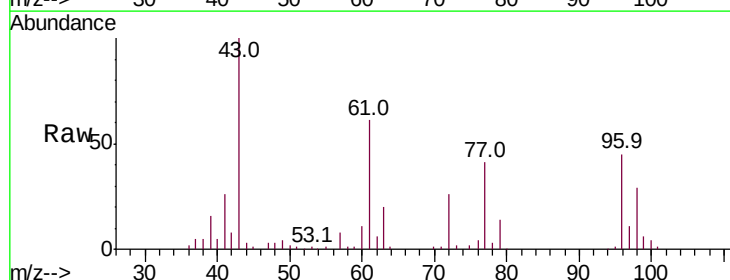
Manual Integrations
APPROVED

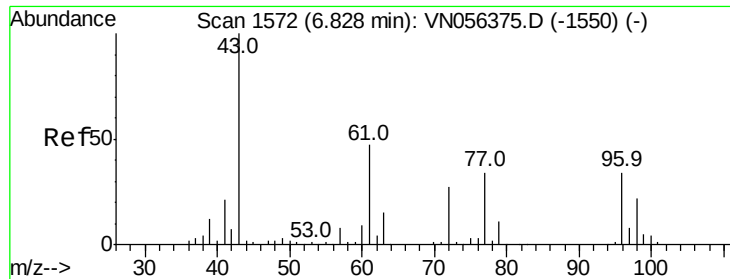
MMDadoda
6/24/2019 4:16:22 PM



#26
2,2-Dichloropropane
Concen: 18.791 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion: 77 Resp: 84841
Ion Ratio Lower Upper
77 100
97 24.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 21.212 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

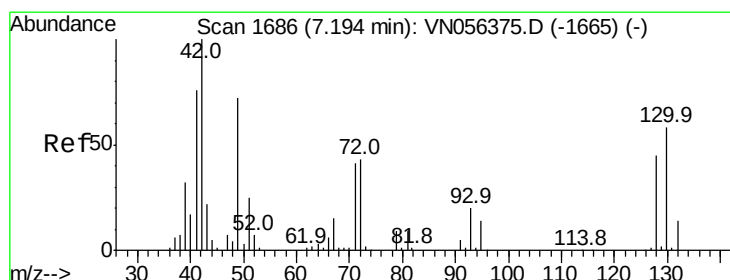
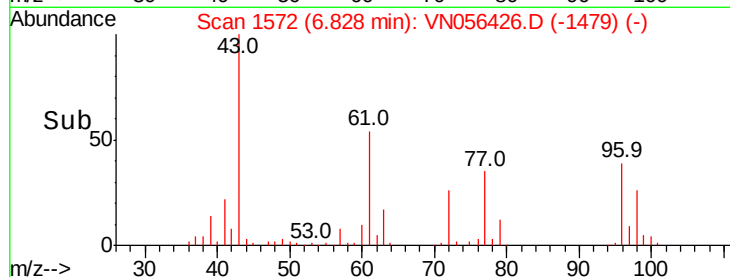
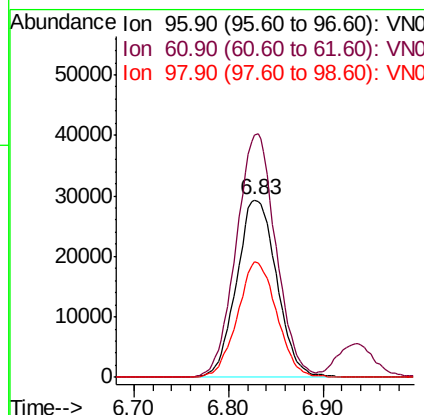
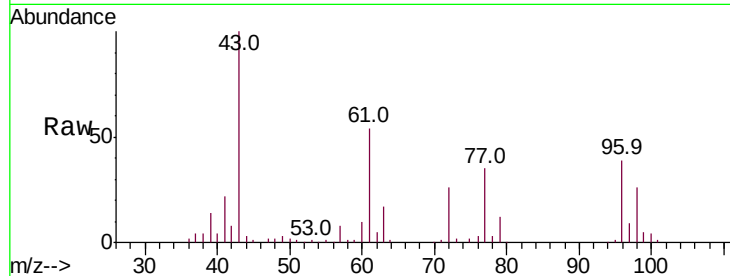
ClientSampleID :

VN0621WBS02

Tot Ion:	96	Resp:	86553
Ion	Ratio	Lower	Upper
96	100		
61	135.4	0.0	279.8
98	63.7	0.0	130.0

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#28

Bromochloromethane

Concen: 20.235 ug/l

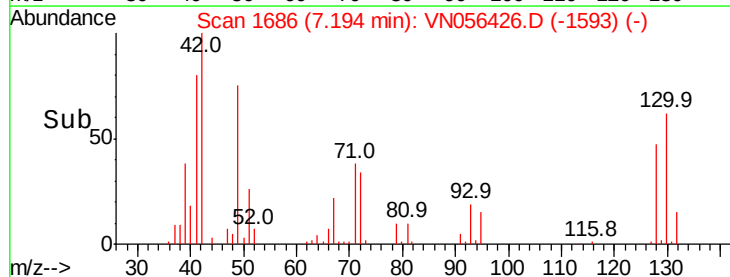
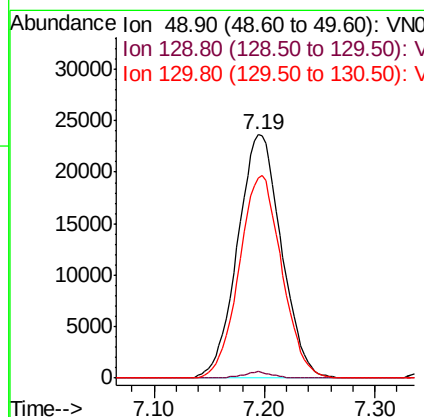
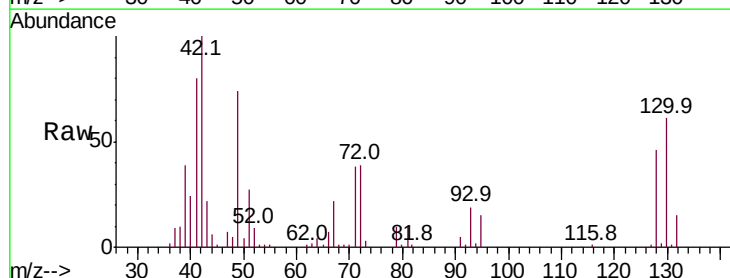
RT: 7.19 min Scan# 1686

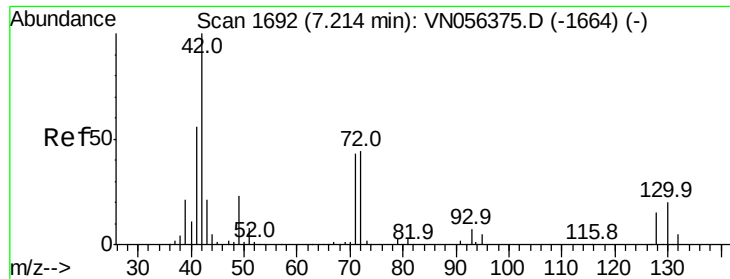
Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Tgt Ion:	49	Resp:	64976
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.2
130	80.9	64.9	97.3





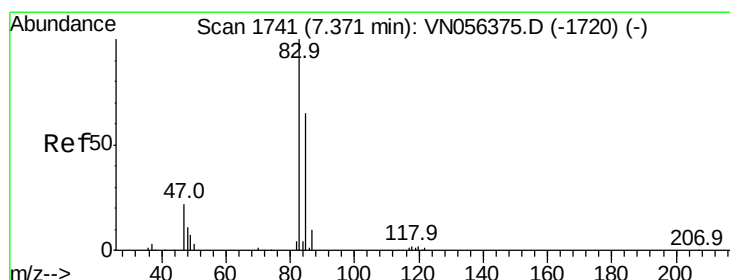
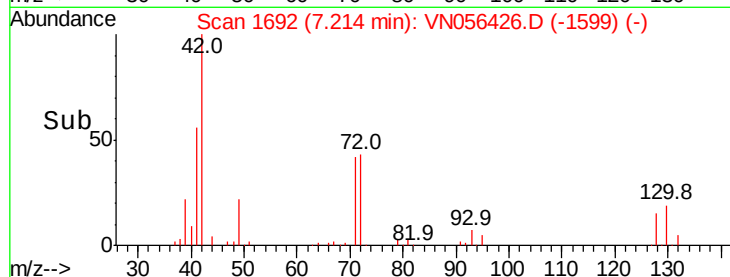
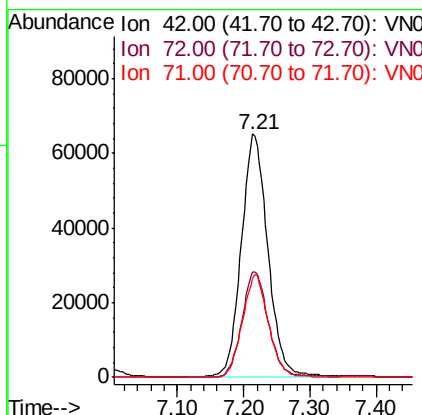
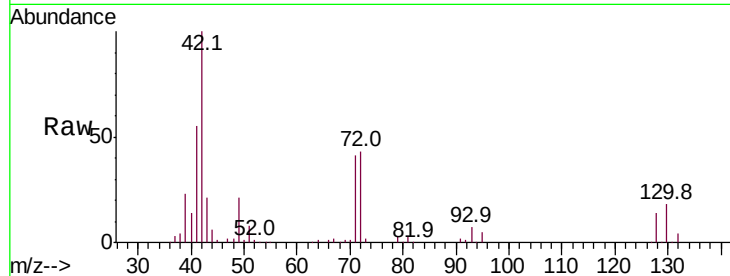
#29
Tetrahydrofuran
Concen: 110.896 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.7	52.1
71	40.6	33.0	49.6

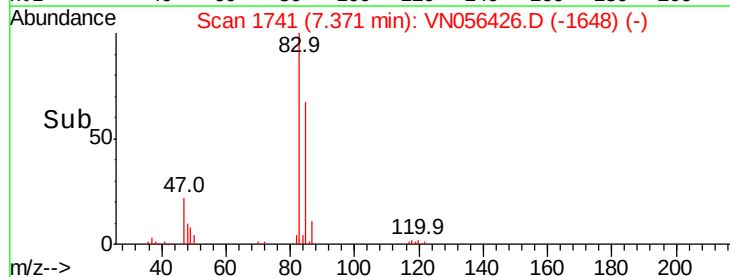
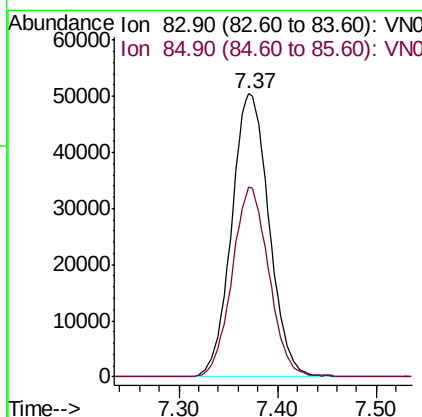
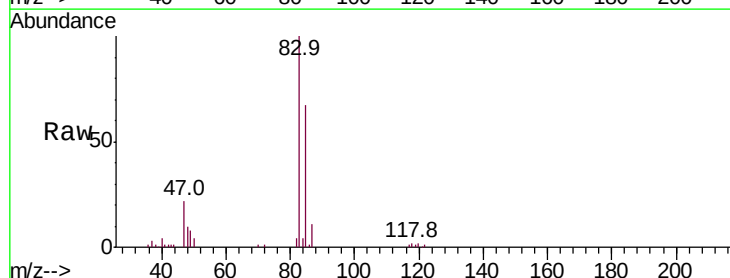
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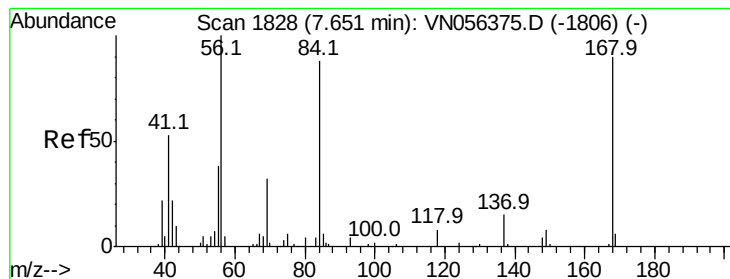
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#30
Chloroform
Concen: 20.744 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.3	78.5





#31

Cyclohexane

Concen: 19.904 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

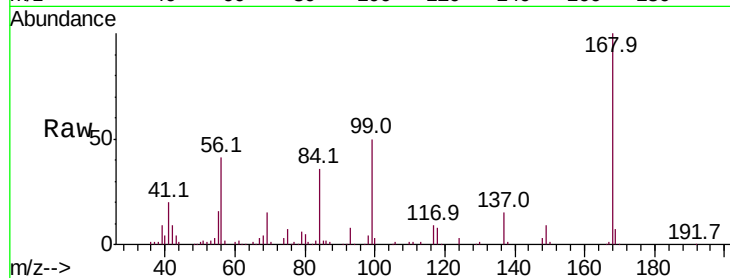
ClientSampled :

VN0621WBS02

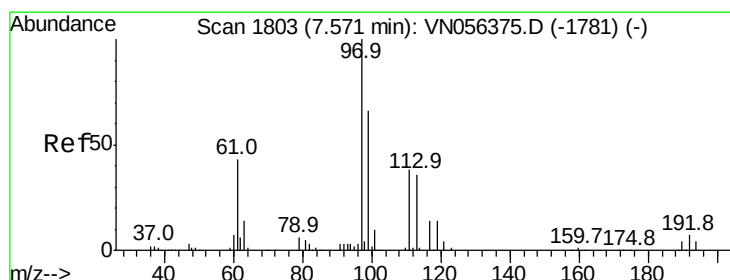
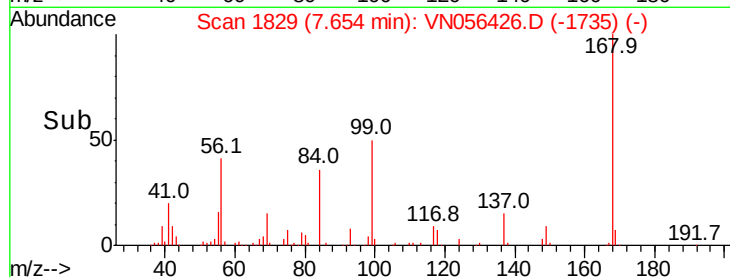
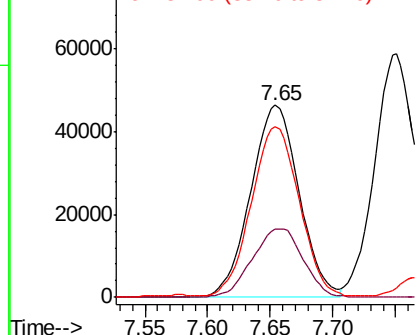
Tot Ion:	56	Resp:	124742
Ion Ratio	Lower	Upper	
56	100		
69	35.4	25.8	38.6
84	87.5	69.4	104.0

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.514 ug/l

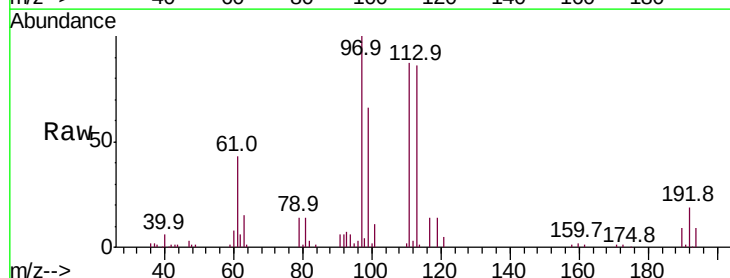
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

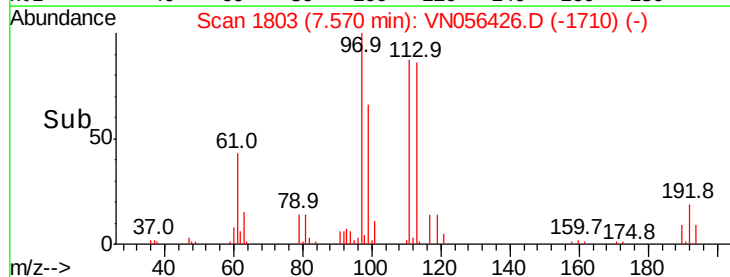
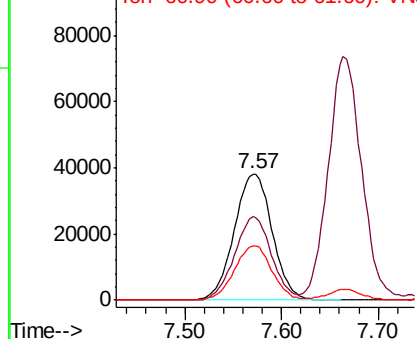
Lab File: VN056426.D

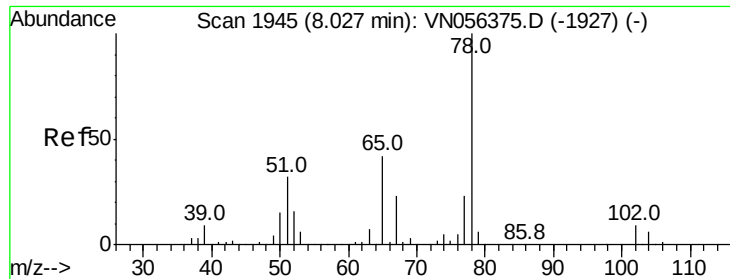
Acq: 21 Jun 2019 15:16

Tgt Ion:	97	Resp:	104161
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.8	77.6
61	42.3	33.9	50.9



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





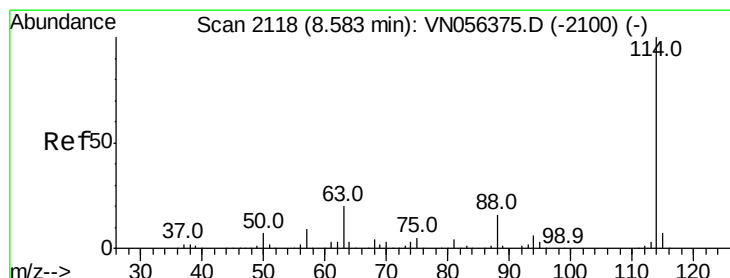
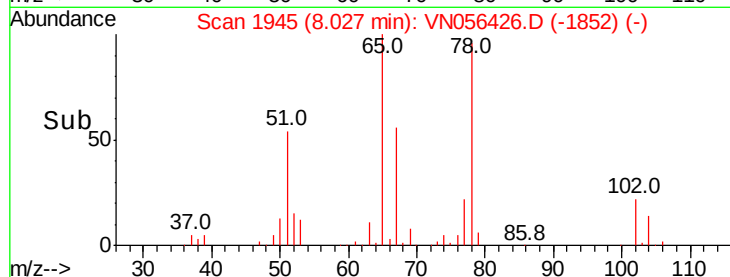
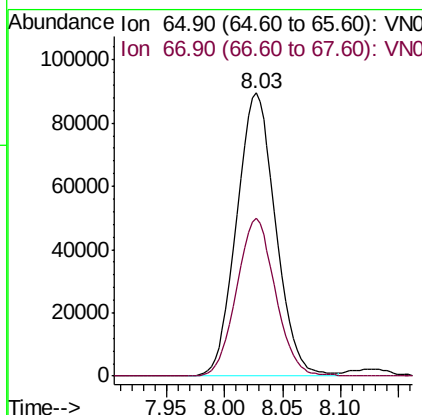
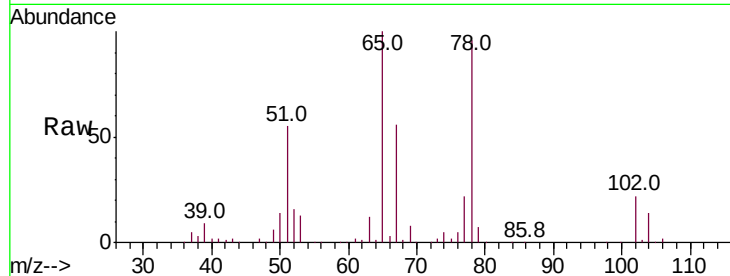
#33
 1,2-Dichloroethane-d4
 Concen: 51.623 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS02

Tot Ion: 65 Resp: 209516
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.0

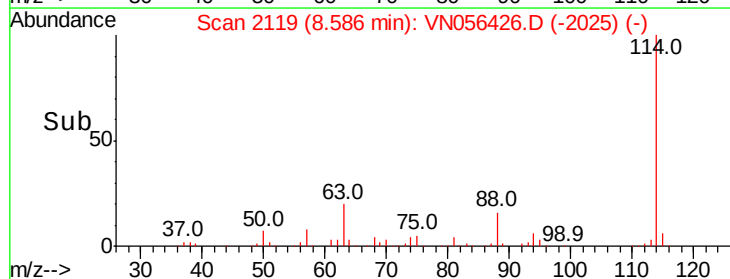
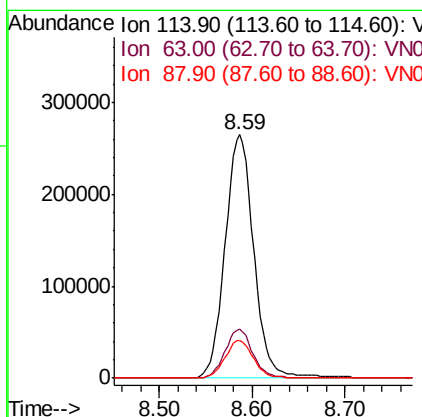
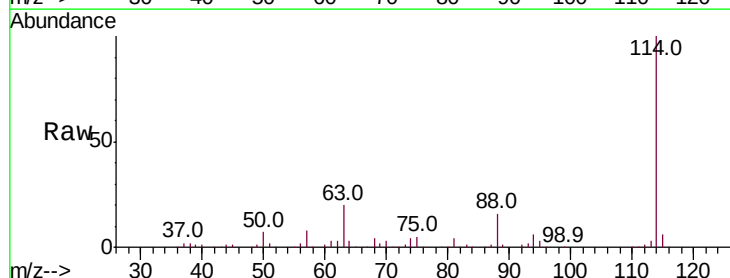
Manual Integrations
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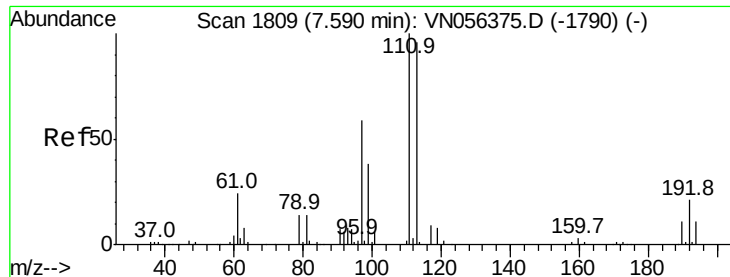
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Tgt Ion: 114 Resp: 568279
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.2
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.697 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

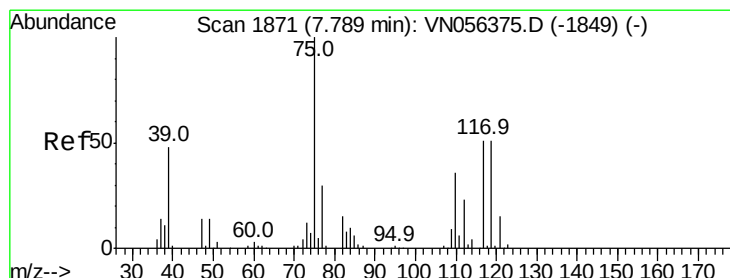
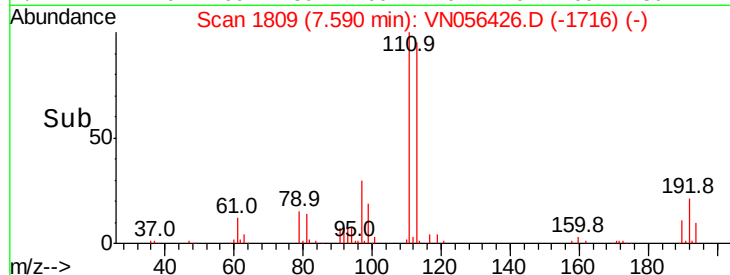
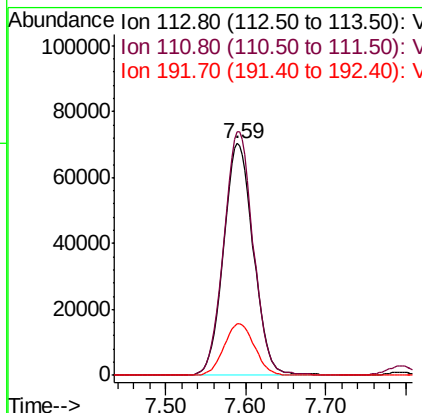
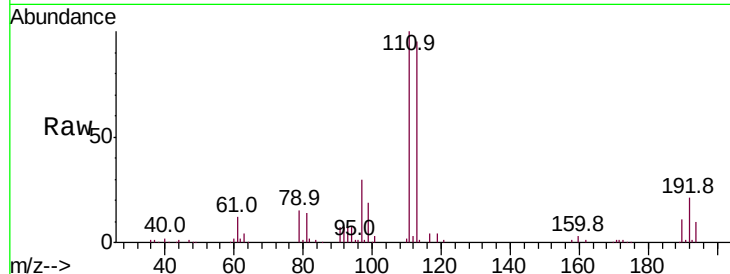
ClientSampleId :

VN0621WBS02

Tot Ion:	113	Resp:	179727
Ion Ratio	Lower	Upper	
113	100		
111	103.9	82.9	124.3
192	22.7	17.7	26.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.096 ug/l

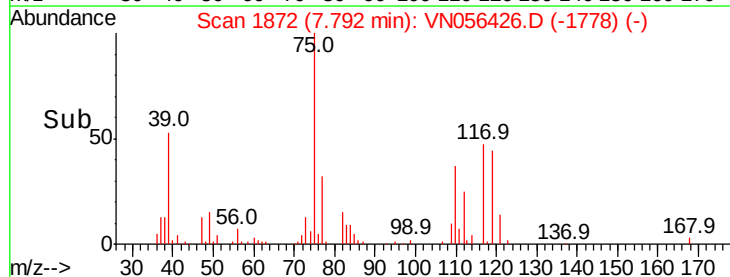
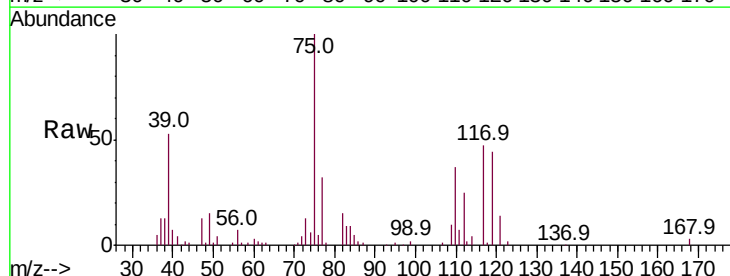
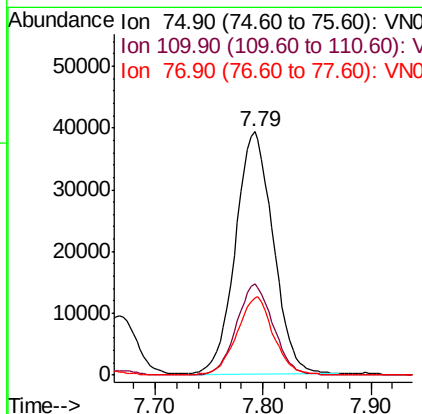
RT: 7.79 min Scan# 1872

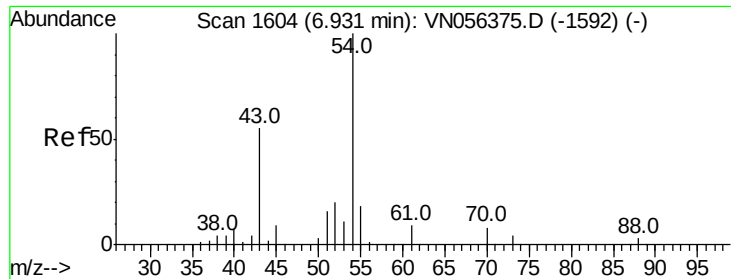
Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Tgt Ion:	75	Resp:	95516
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.1	54.3
77	31.3	24.6	36.8





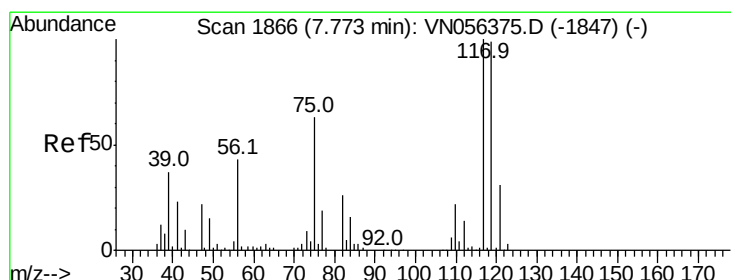
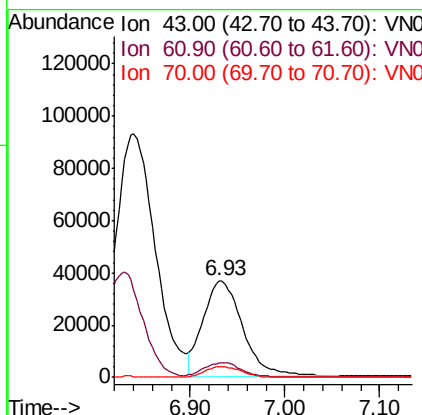
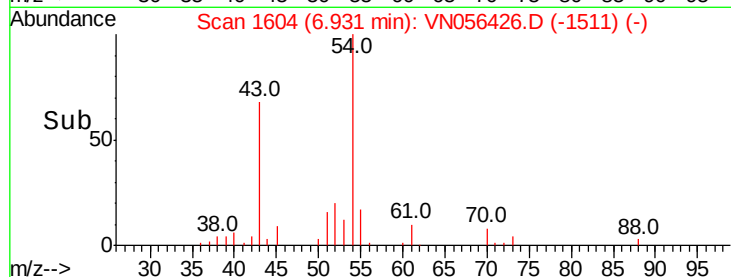
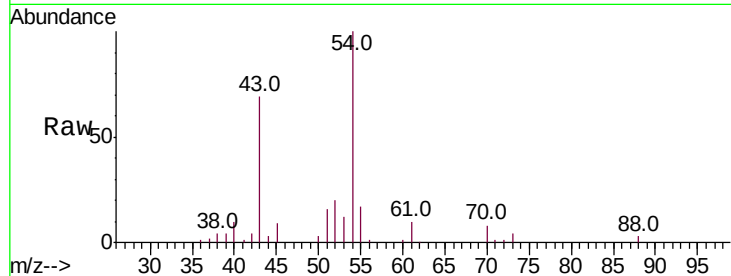
#37
Ethyl Acetate
Concen: 21.615 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampled :
VN0621WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.1	16.7
70	10.5	8.3	12.5

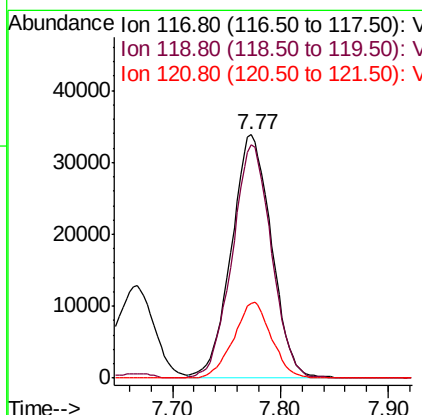
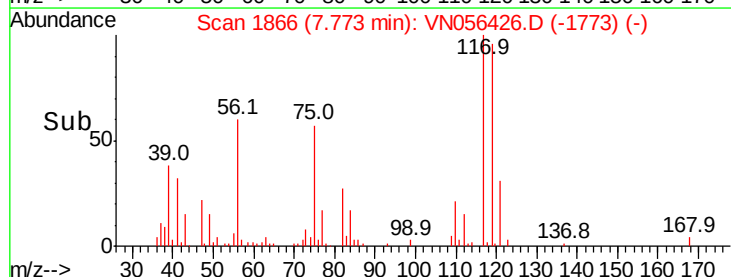
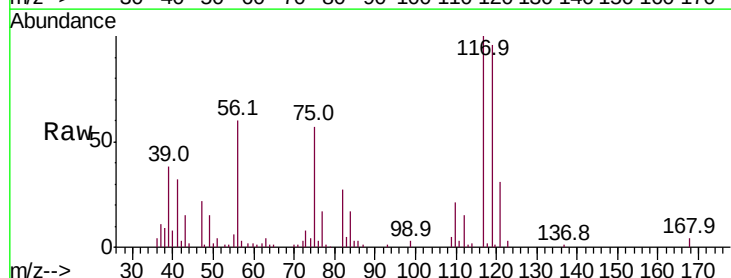
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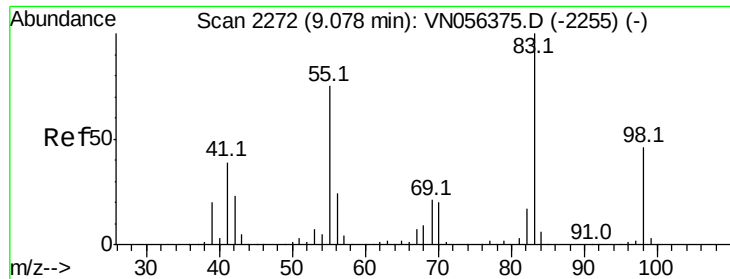
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#38
Carbon Tetrachloride
Concen: 19.988 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	79.1	118.7
121	30.9	24.8	37.2





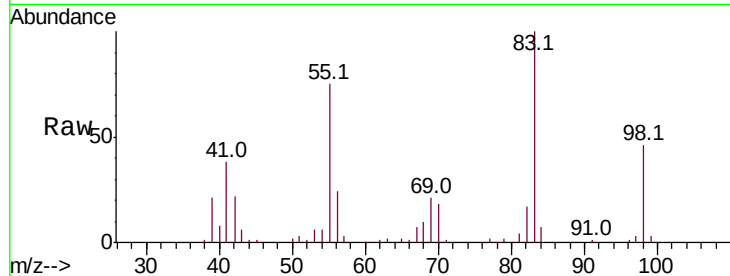
#39
Methylvlcyclohexane
Concen: 19.333 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

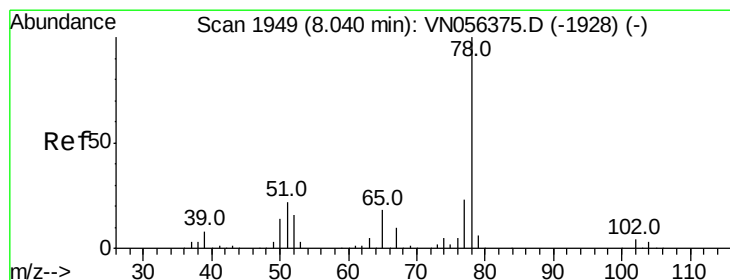
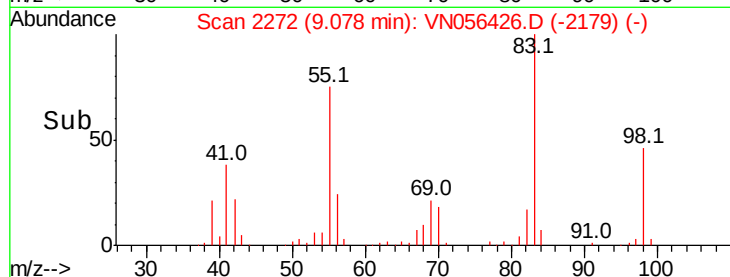
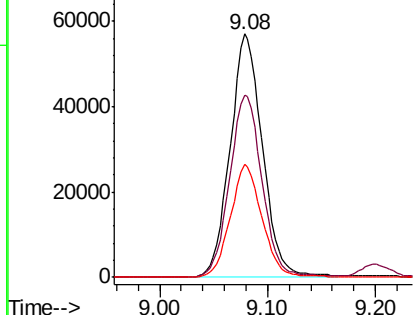
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	60.0	90.0
98	46.4	36.6	54.8

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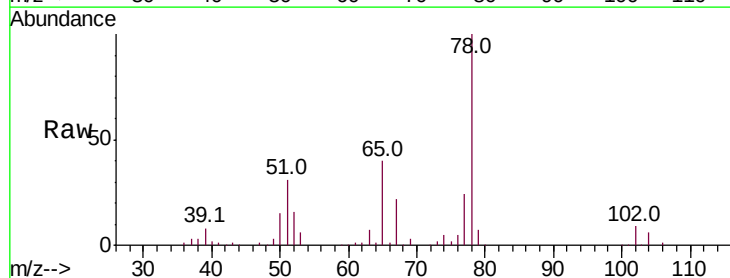


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

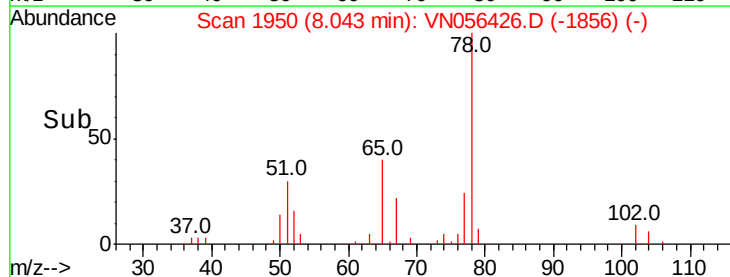
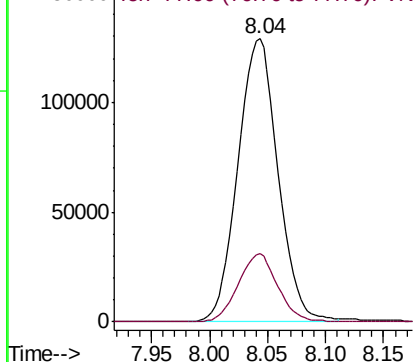


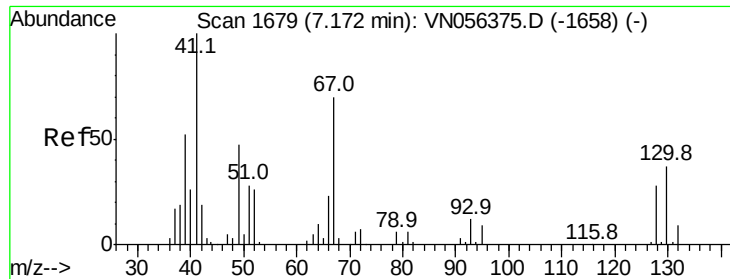
#40
Benzene
Concen: 20.192 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





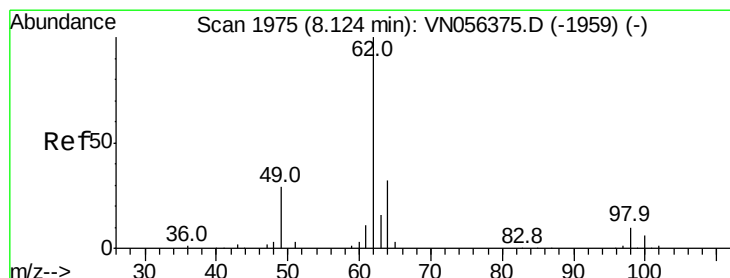
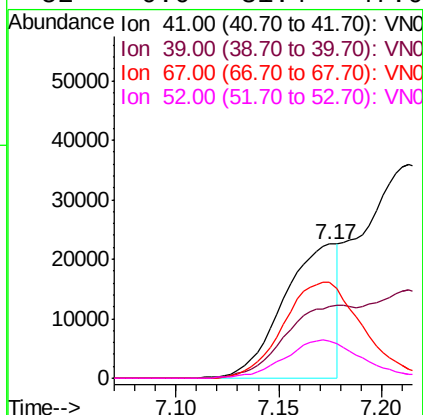
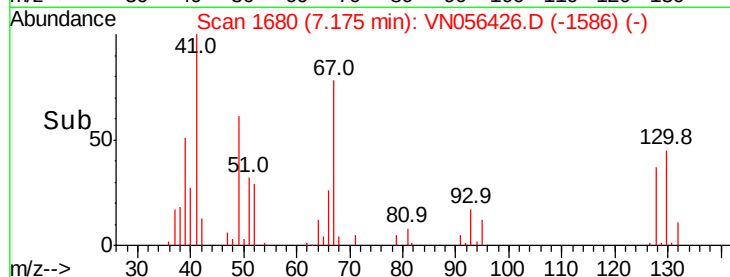
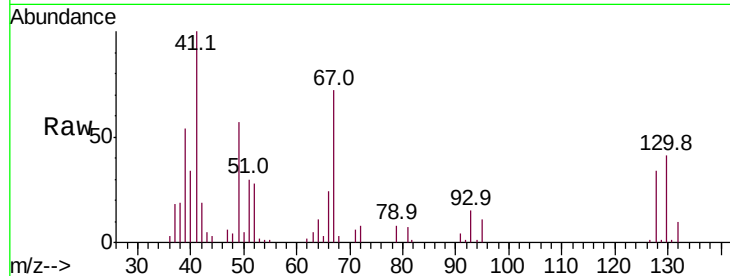
#41
Methacrylonitrile
Concen: 18.872 ug/l m
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.3	82.9#
67	0.0	79.2	118.8#
52	0.0	31.4	47.0#

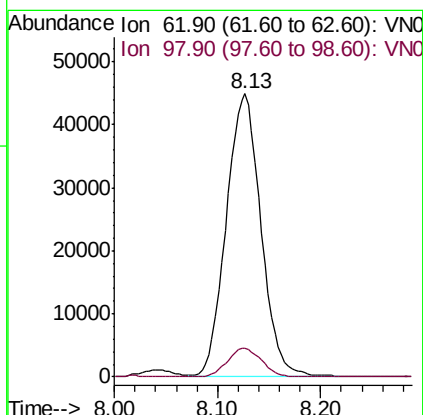
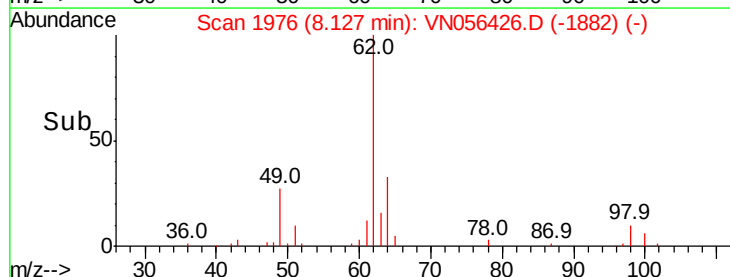
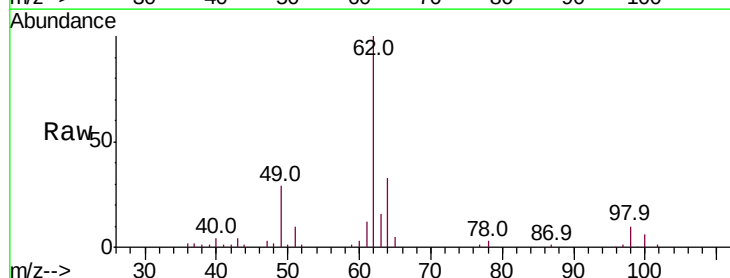
Manual Integrations
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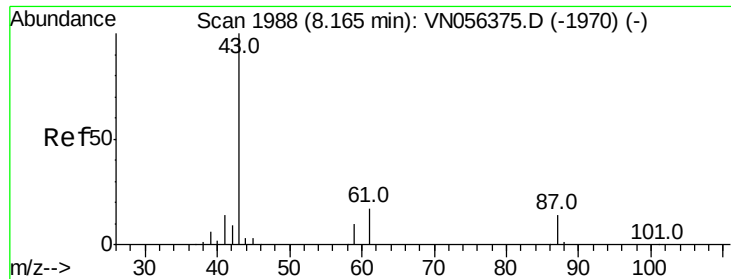
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.749 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.844 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

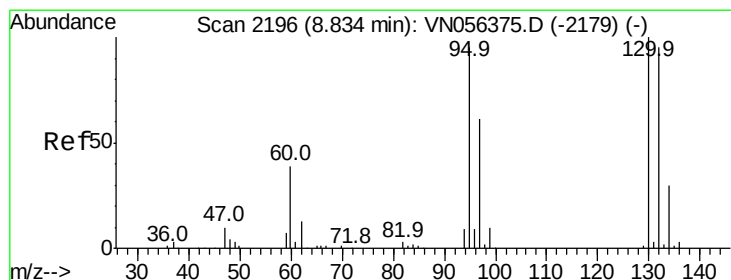
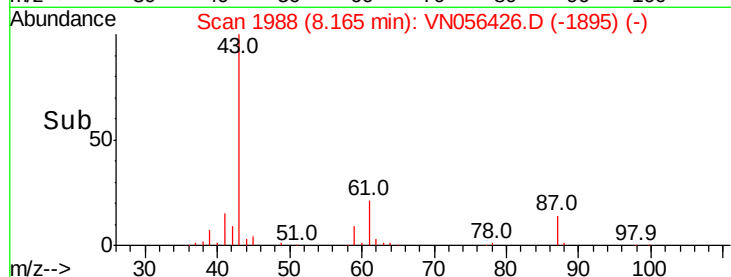
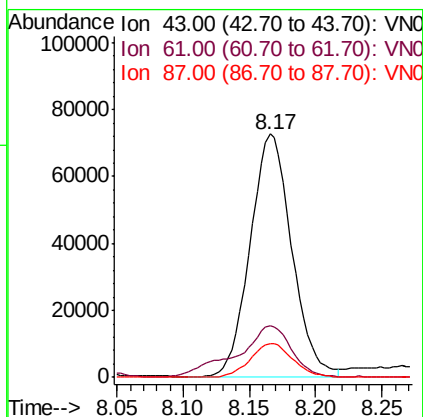
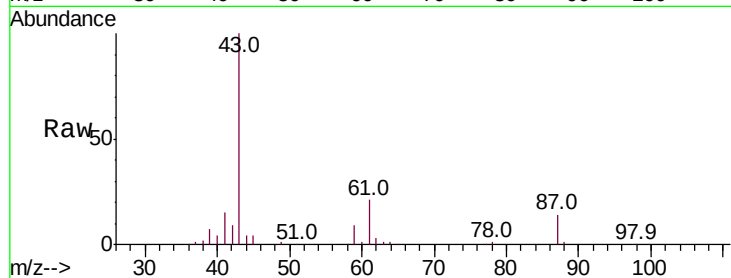
ClientSampleId :

VN0621WBS02

Tot Ion:	43	Resp:	157994
Ion	Ratio	Lower	Upper
43	100		
61	28.2	22.0	33.0
87	14.3	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 19.922 ug/l

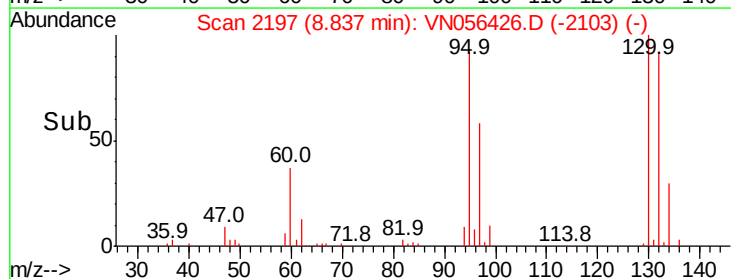
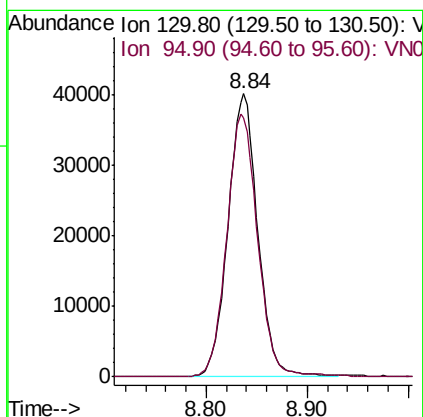
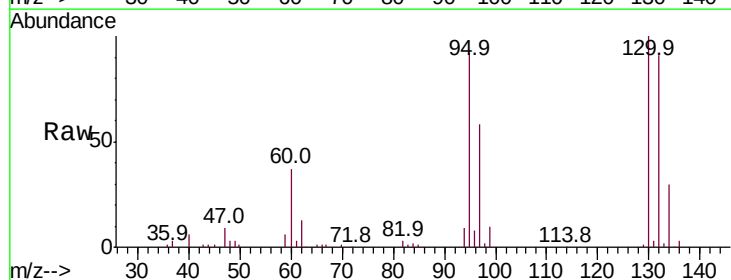
RT: 8.84 min Scan# 2197

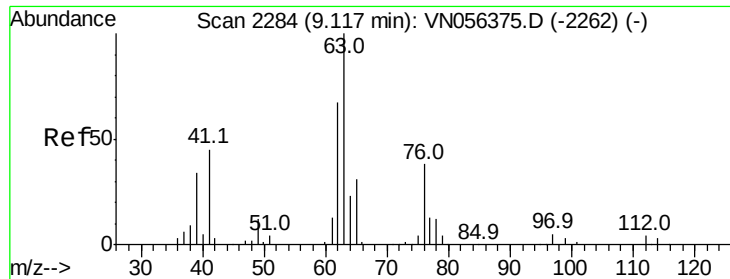
Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Tgt Ion:	130	Resp:	82569
Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	191.0





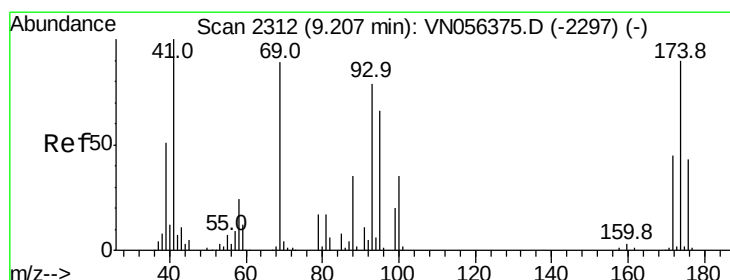
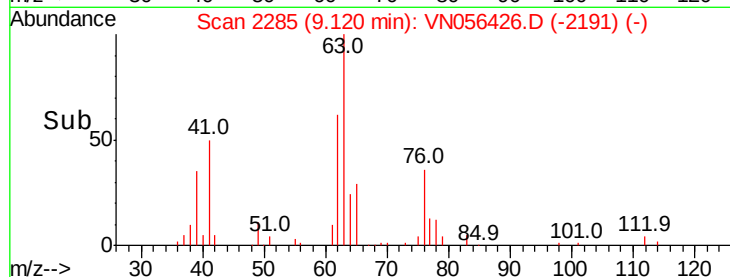
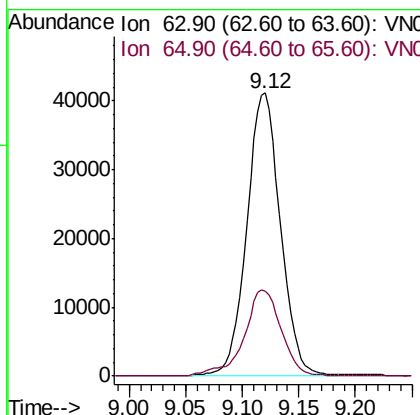
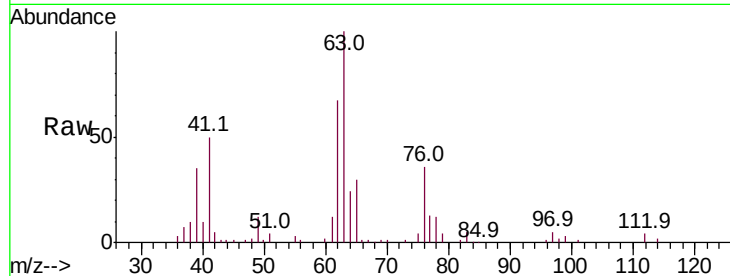
#45
 1,2-Dichloropropane
 Concen: 20.684 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS02

Tot Ion: 63 Resp: 85109
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6

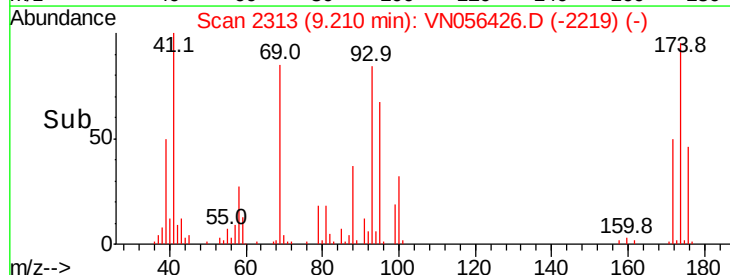
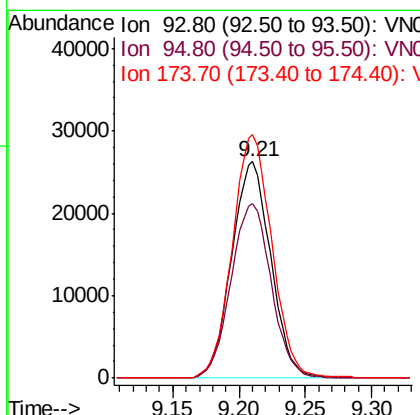
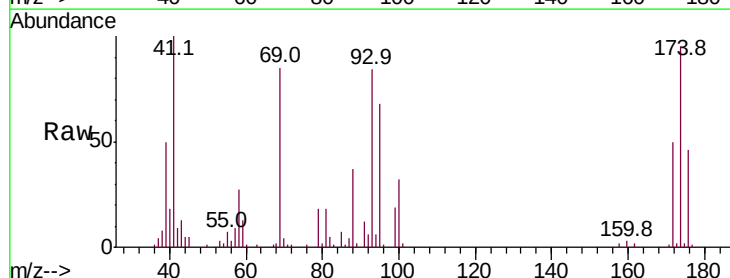
Manual Integrations
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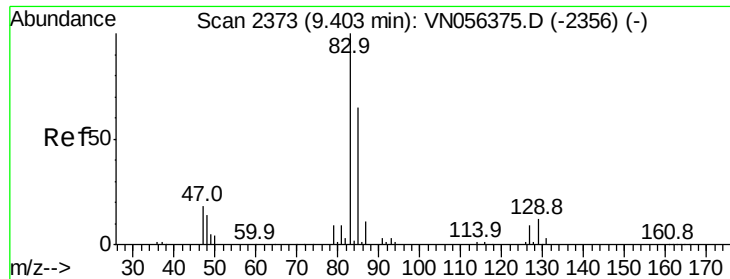
MMDadoda
 6/24/2019 4:16:22 PM



#46
 Dibromomethane
 Concen: 20.898 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Tgt Ion: 93 Resp: 53798
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.2 99.2
 174 113.6 90.8 136.2





#47

Bromodichloromethane

Concen: 20.846 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

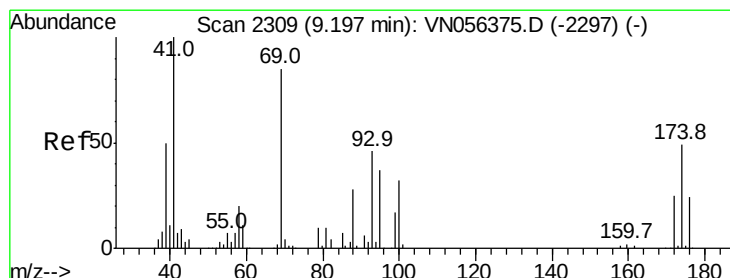
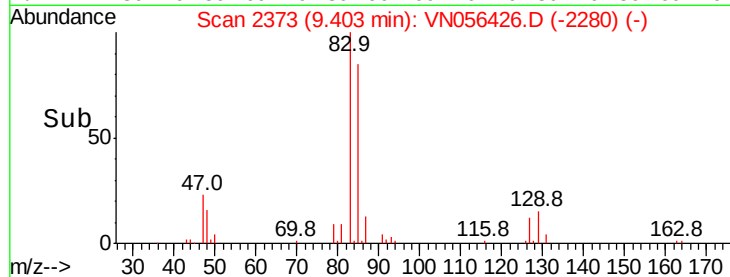
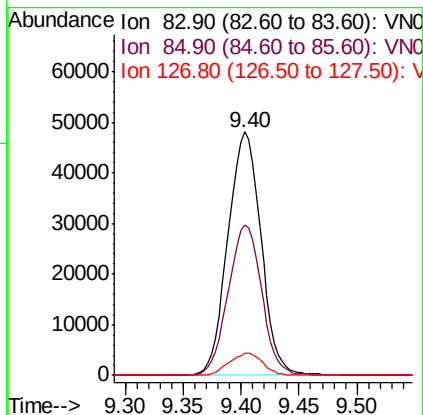
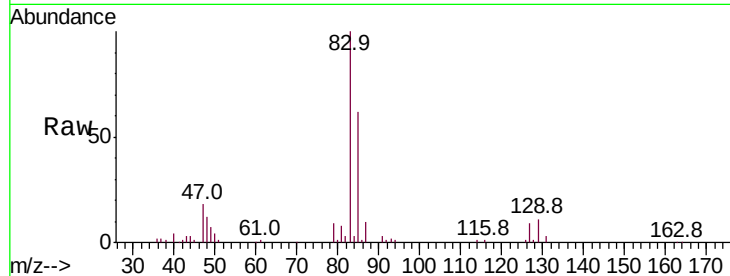
ClientSampleId :

VN0621WBS02

Tot Ion:	83	Resp:	95176
Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.2	78.4
127	8.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.311 ug/l

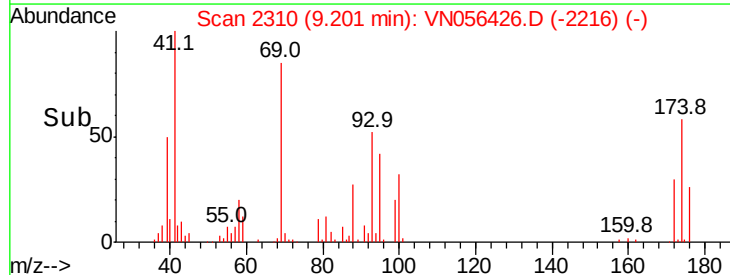
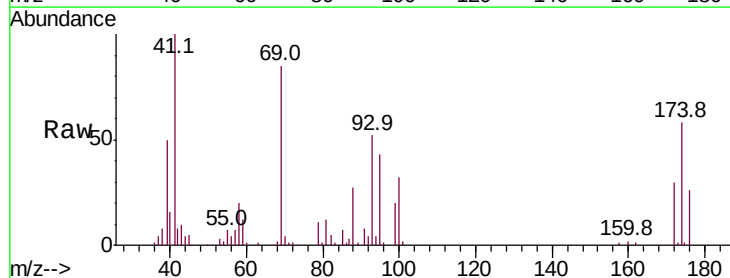
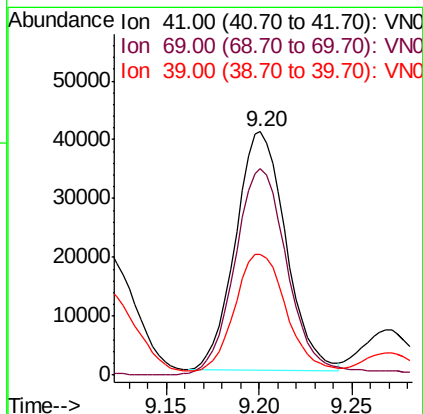
RT: 9.20 min Scan# 2310

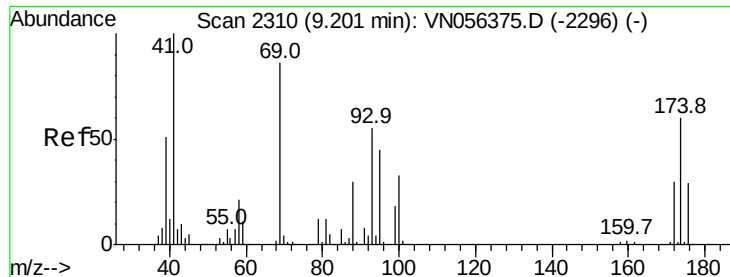
Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Tgt Ion:	41	Resp:	77148
Ion	Ratio	Lower	Upper
41	100		
69	91.8	72.6	109.0
39	52.2	42.6	63.8





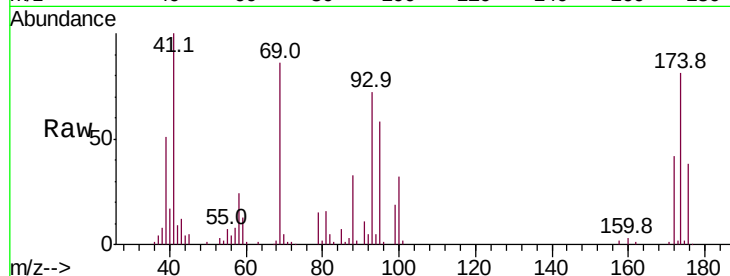
#49
1,4-Dioxane
Concen: 415.816 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	22.0	33.0
58	71.2	51.8	77.8

Manual Integrations
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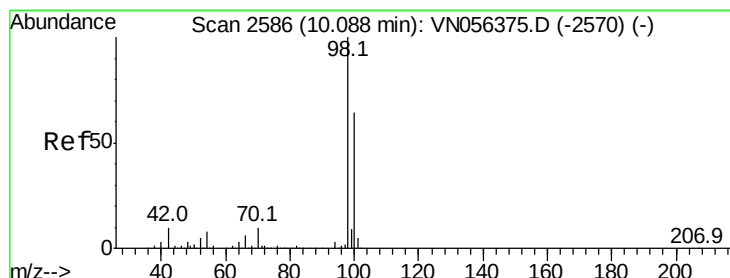
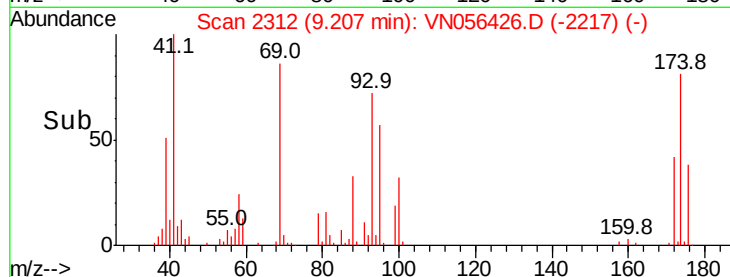
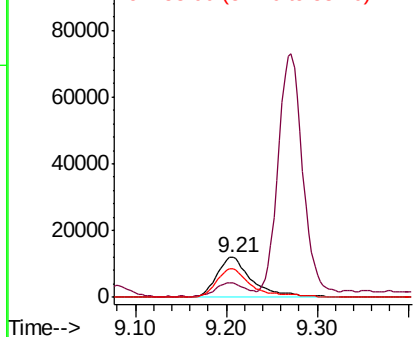


Abundance

Ion 88.00 (87.70 to 88.70): VN0

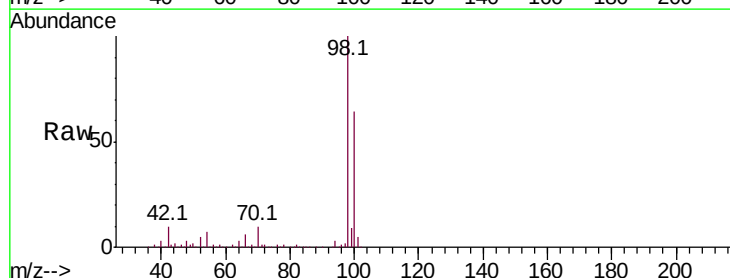
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.003 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

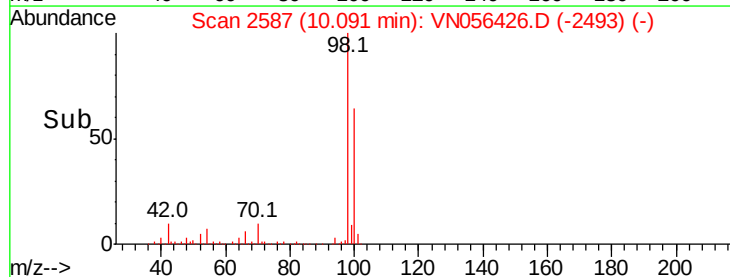
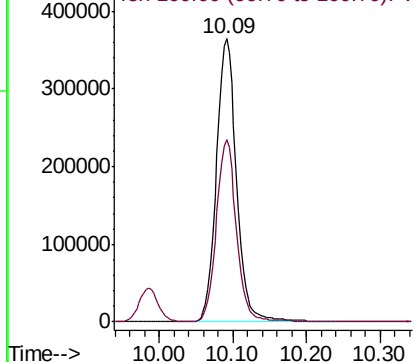
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2

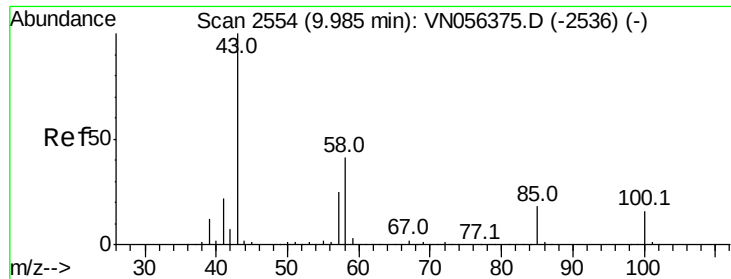


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 106.757 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS02

Tot Ion: 43 Resp: 522274

Ion Ratio Lower Upper

43 100

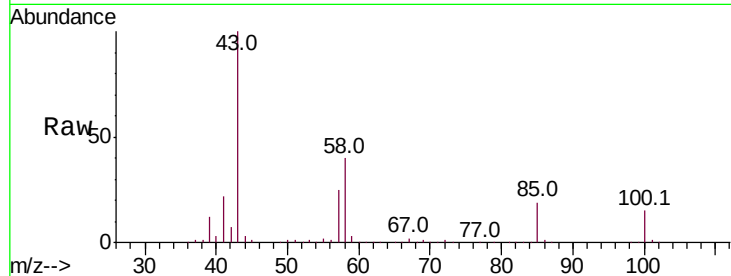
58 39.6 31.8 47.8

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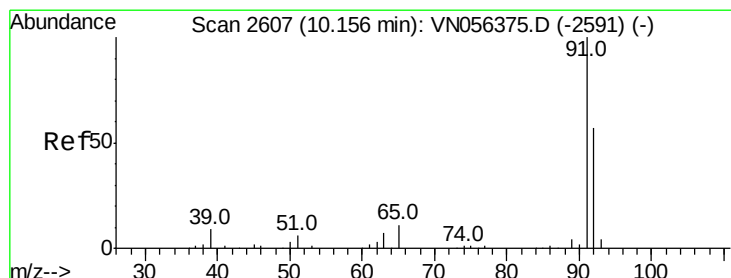
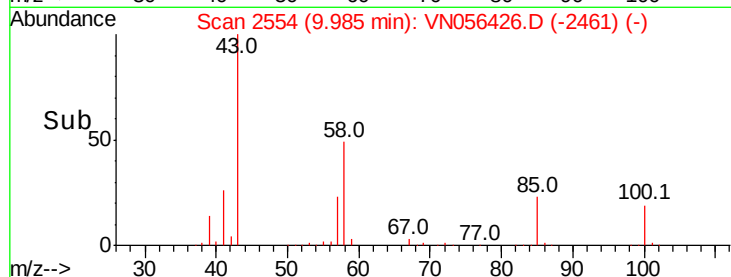
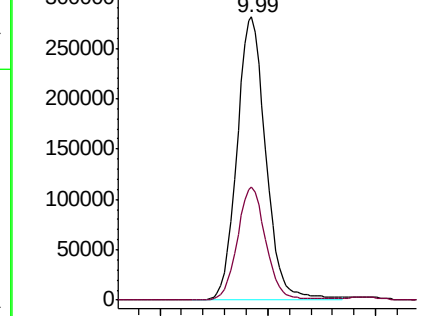
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.594 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056426.D

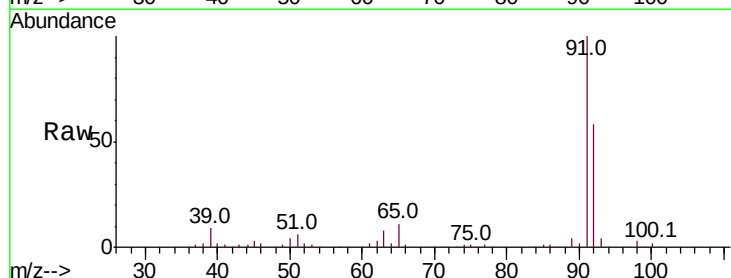
Acq: 21 Jun 2019 15:16

Tgt Ion: 92 Resp: 193720

Ion Ratio Lower Upper

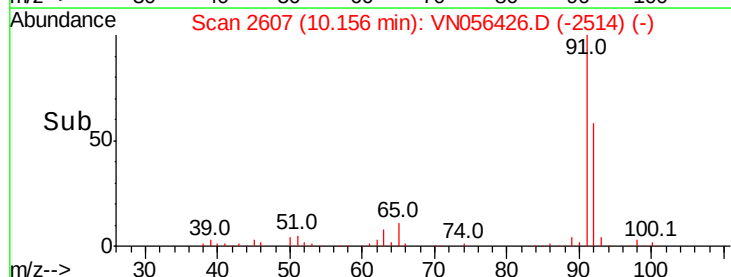
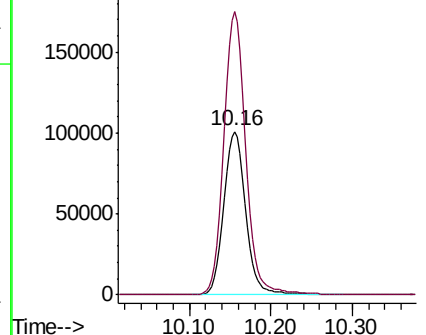
92 100

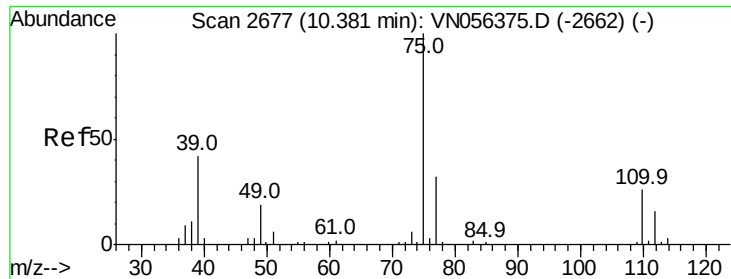
91 173.0 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





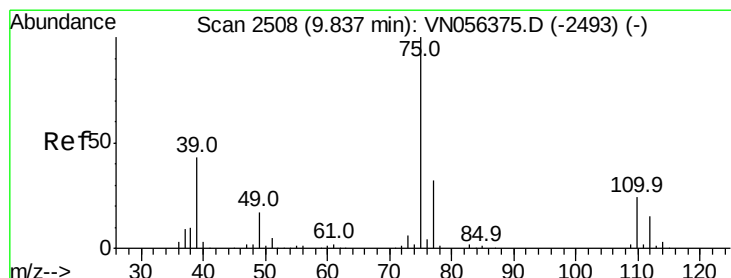
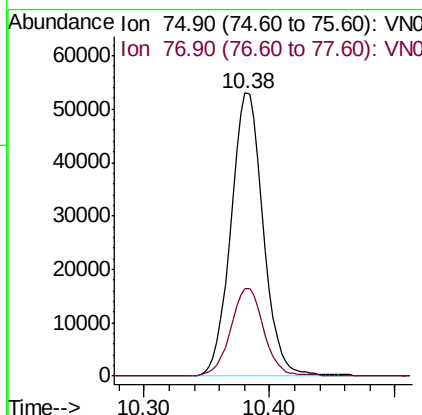
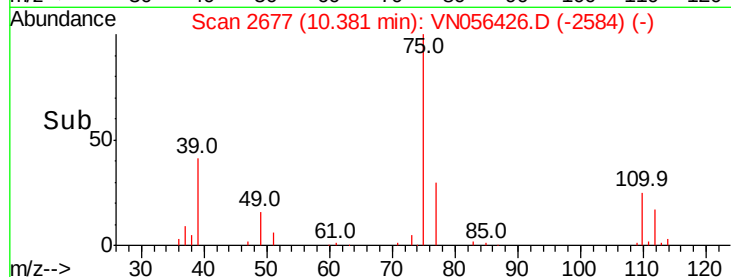
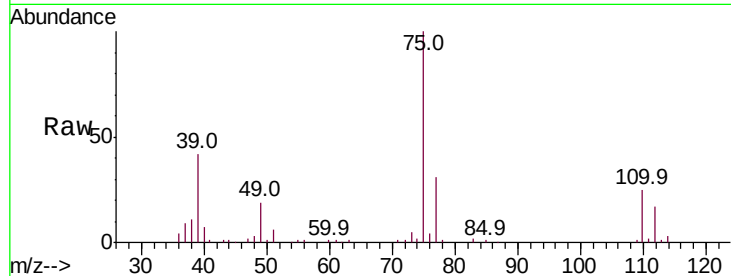
#53
t-1,3-Dichloropropene
Concen: 19.668 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion: 75 Resp: 94687
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2

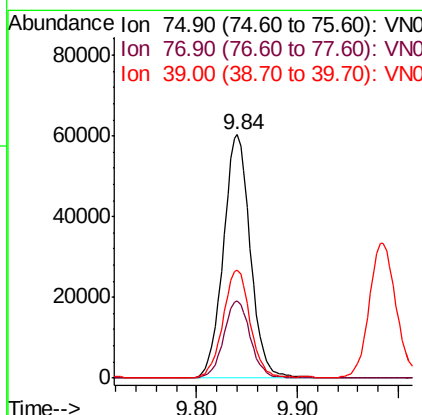
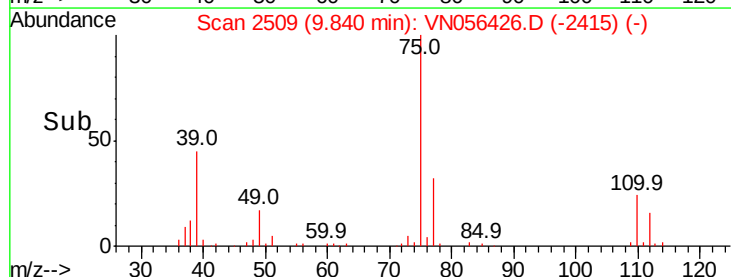
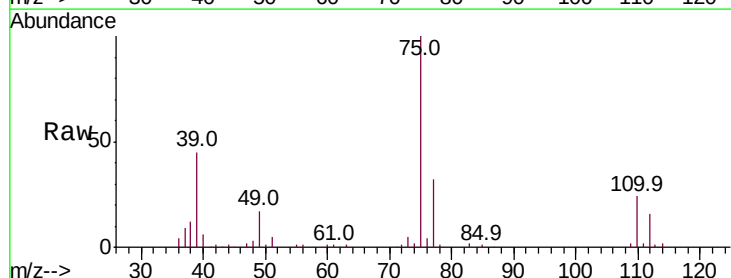
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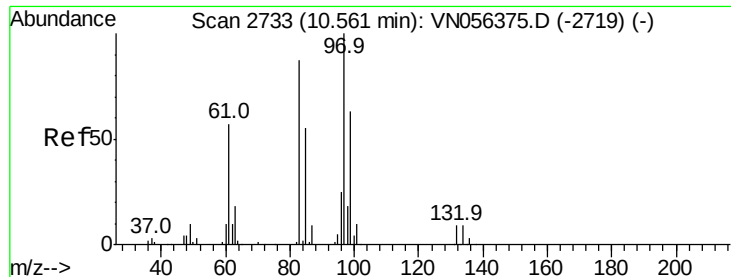
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.565 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion: 75 Resp: 113070
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 44.6 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 21.393 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

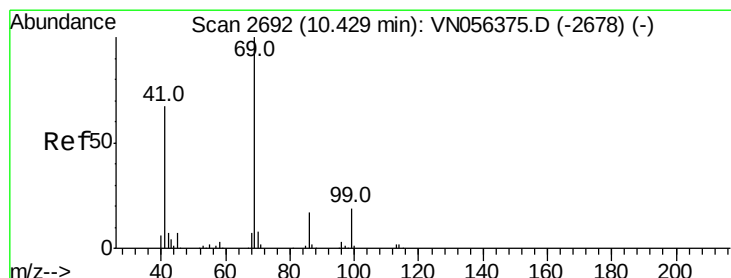
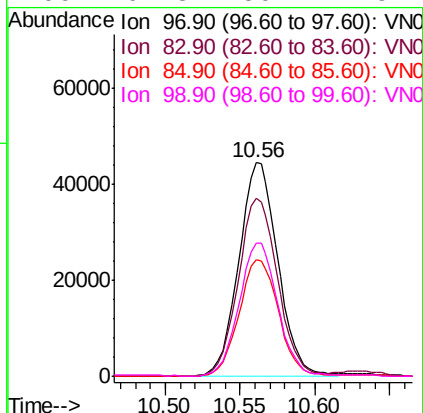
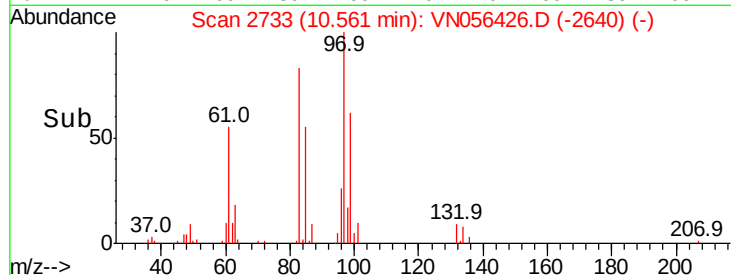
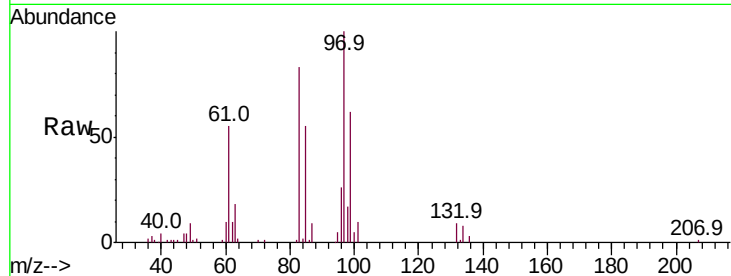
ClientSampleId :

VN0621WBS02

Tot Ion:	97	Resp:	80886
Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.8	104.6
85	54.8	43.8	65.8
99	62.3	50.2	75.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.217 ug/l

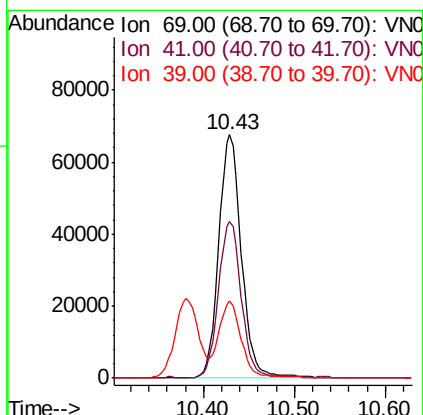
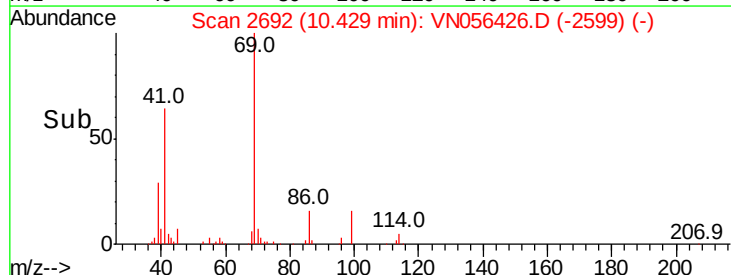
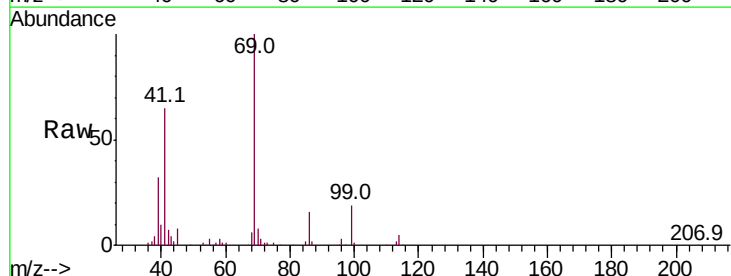
RT: 10.43 min Scan# 2692

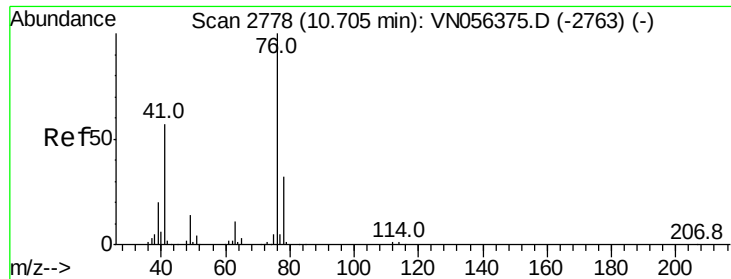
Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Tgt Ion:	69	Resp:	117238
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.4	77.2
39	29.9	24.7	37.1





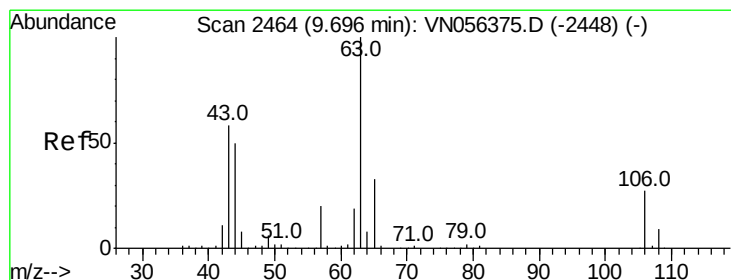
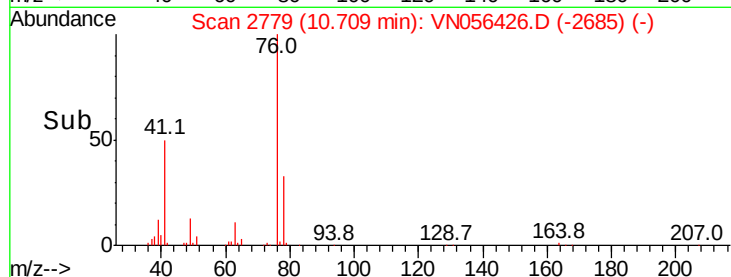
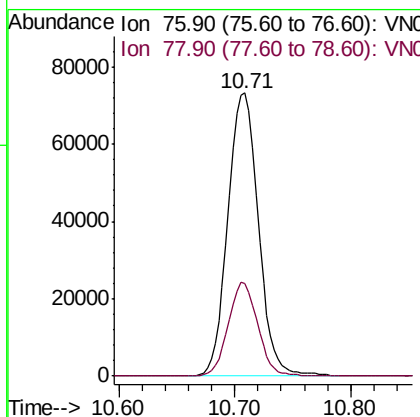
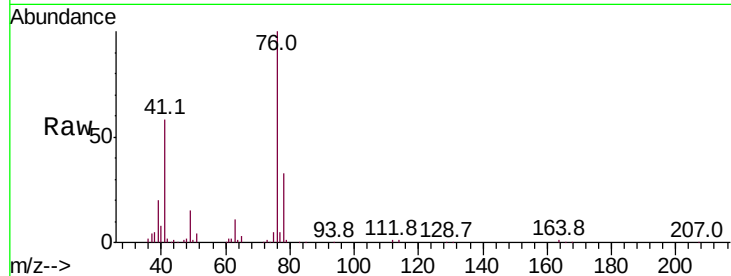
#57
 1,3-Dichloropropane
 Concen: 21.012 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS02

Tot Ion: 76 Resp: 133465
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.9 38.9

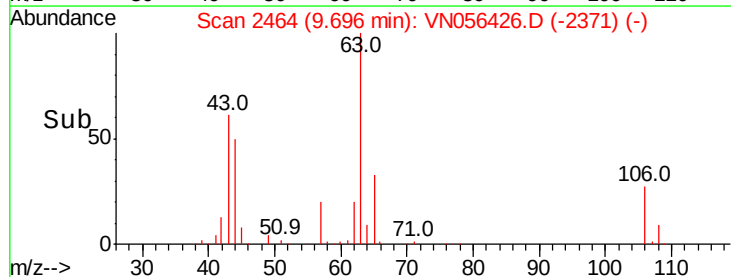
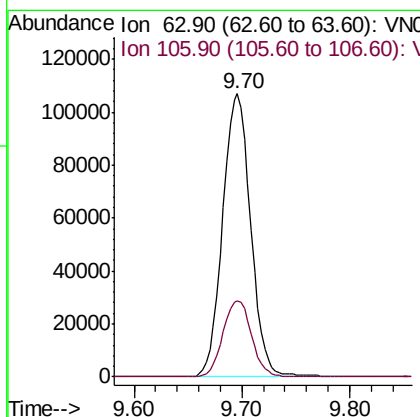
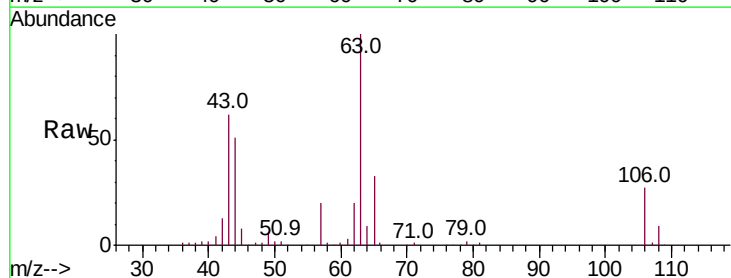
Manual Integrations
 APPROVED

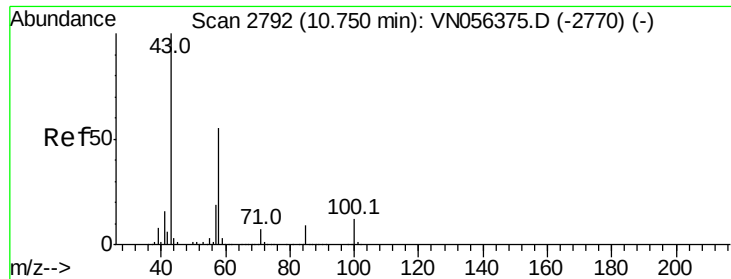
MMDadoda
 6/24/2019 4:16:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.666 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Tgt Ion: 63 Resp: 193878
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.6 32.4





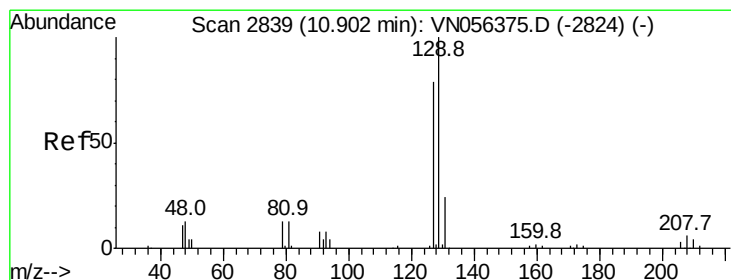
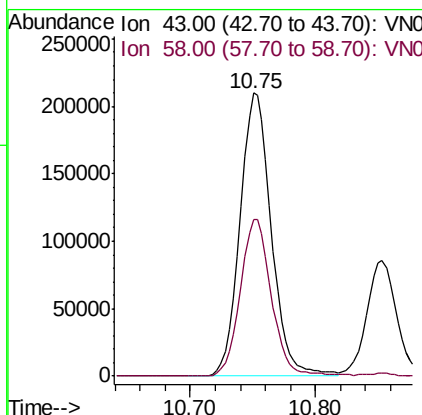
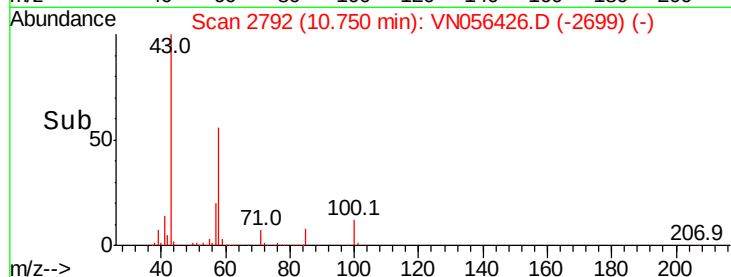
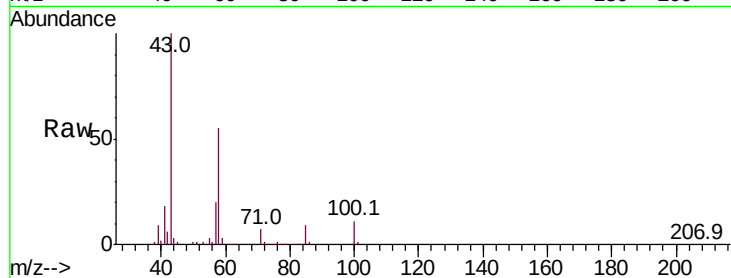
#59
2-Hexanone
Concen: 101.014 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion	43	58	Ratio	100	Resp	Lower	Upper
363203							
	43	58	100	55.2		27.8	83.4

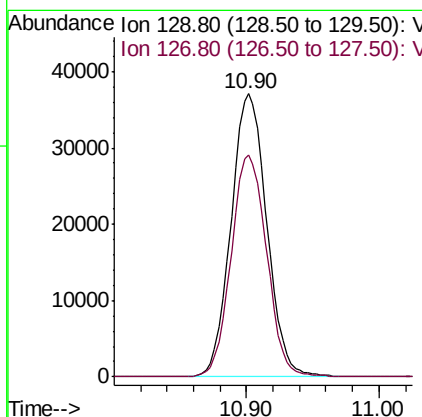
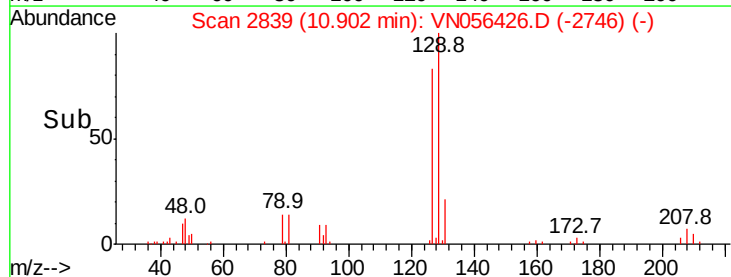
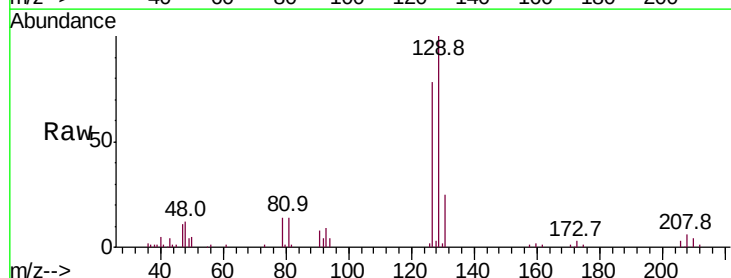
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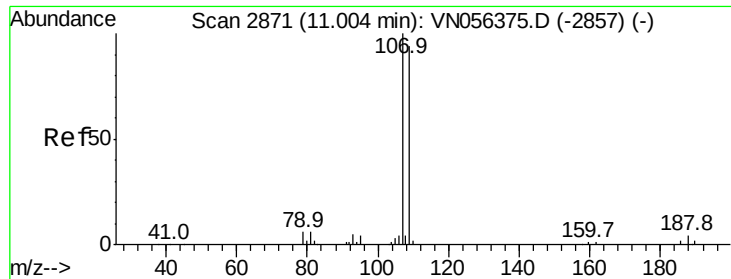
MMDadoda
6/24/2019 4:16:22 PM



#60
Dibromochloromethane
Concen: 19.389 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	129	127	Ratio	100	Resp	Lower	Upper
69403							
	129	127	100	77.8		38.9	116.7





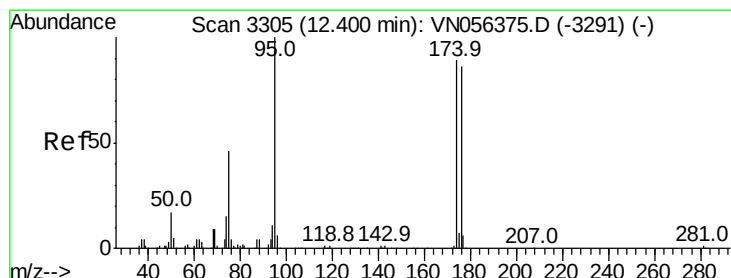
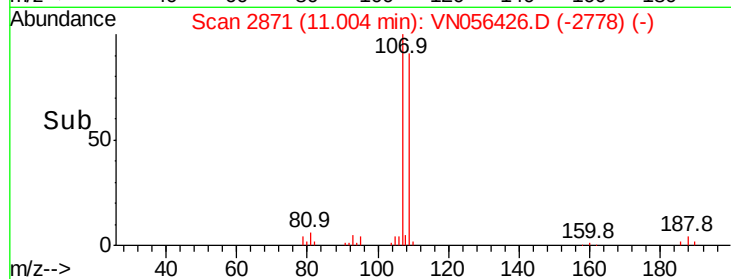
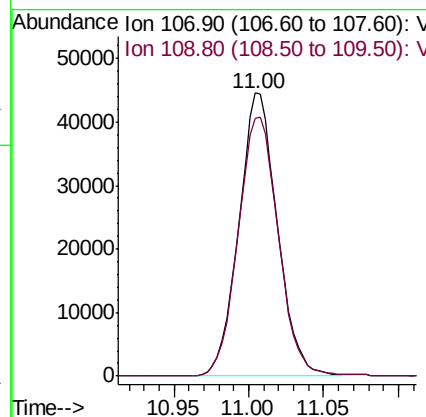
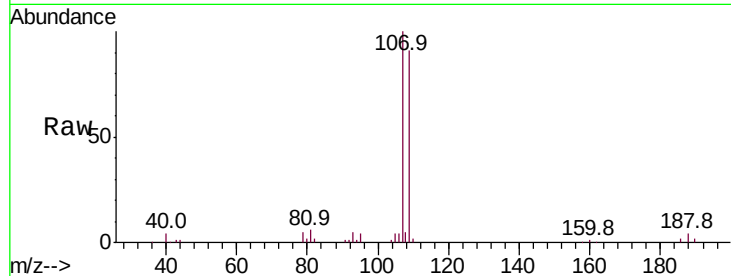
#61
 1,2-Dibromoethane
 Concen: 20.687 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.3	112.9

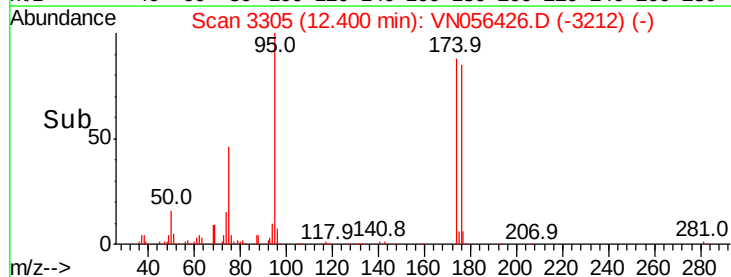
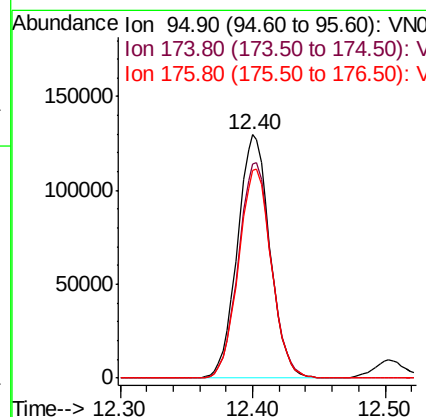
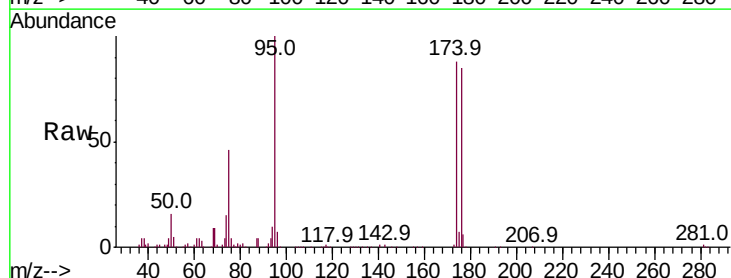
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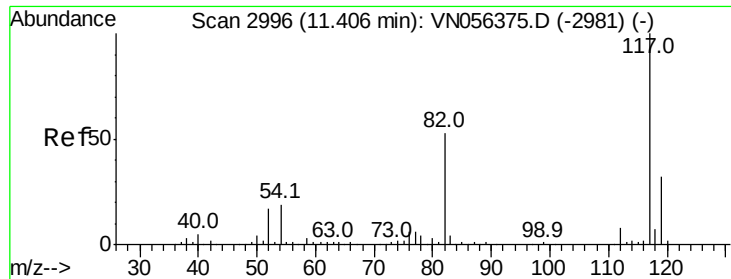
MMDadoda
 6/24/2019 4:16:22 PM



#62
 4-Bromofluorobenzene
 Concen: 48.003 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	179.4
176	86.8	0.0	173.4





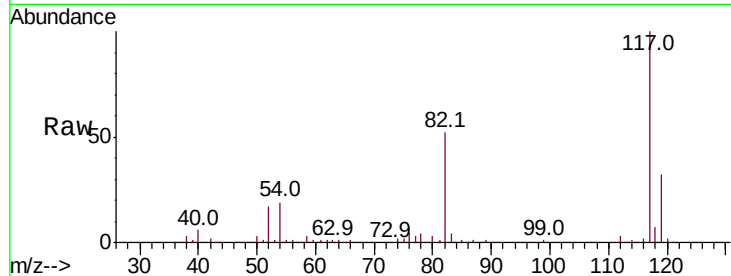
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.0	63.0
119	32.1	25.3	37.9

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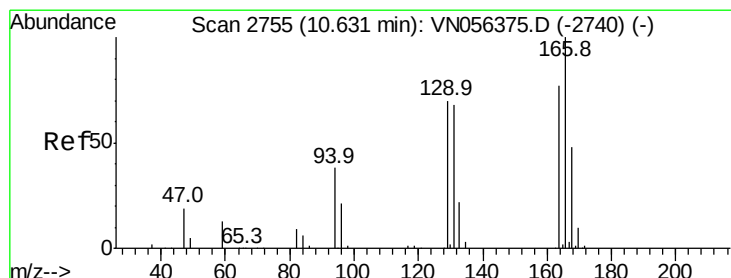
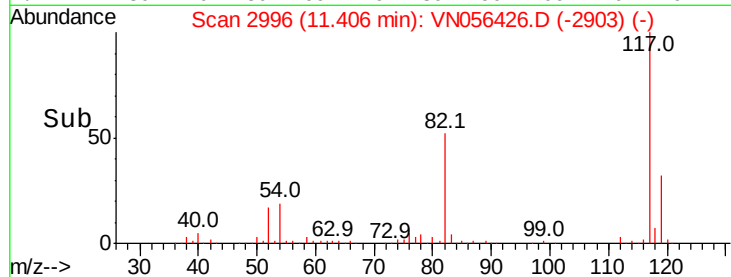
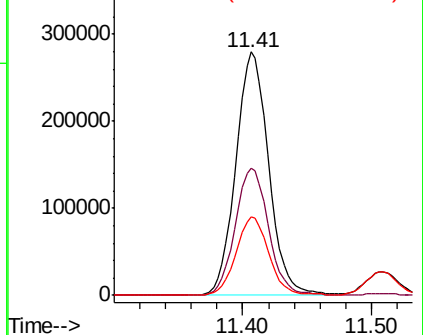


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.031 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.4	155.0
129	89.6	72.0	108.0
131	85.3	70.2	105.2

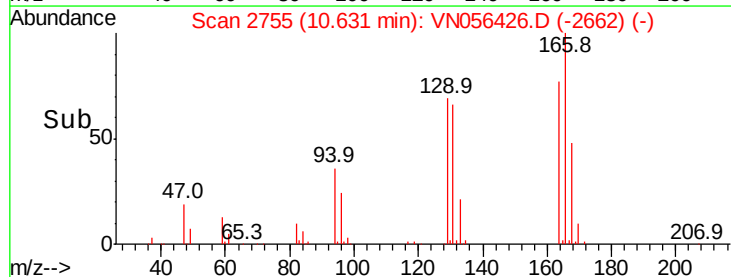
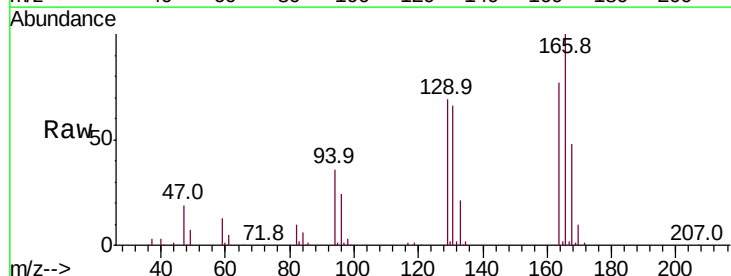
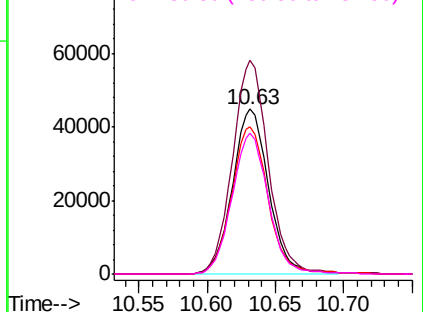
Abundance

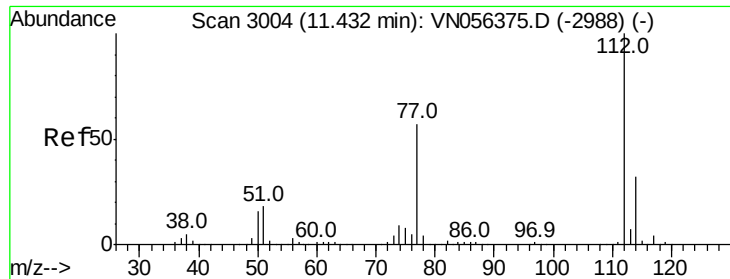
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





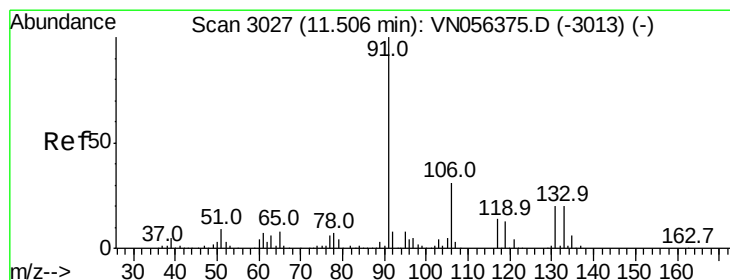
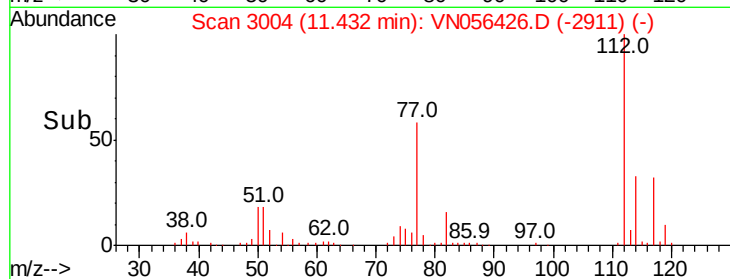
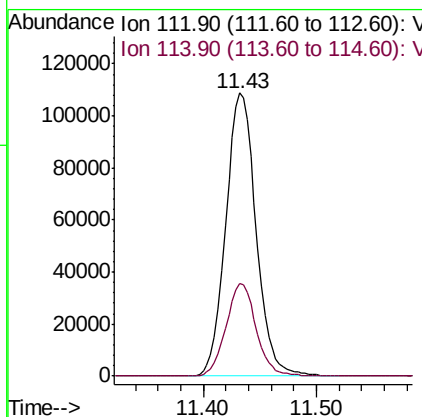
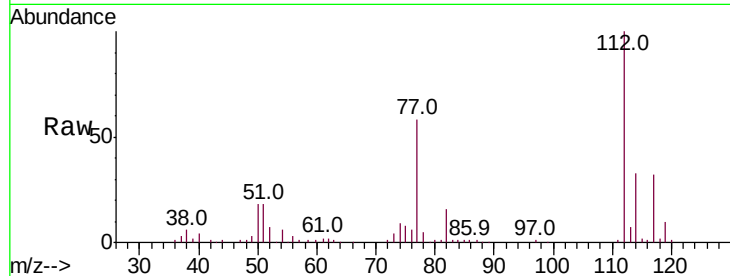
#65
Chlorobenzene
Concen: 20.295 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion:112 Resp: 202520
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2

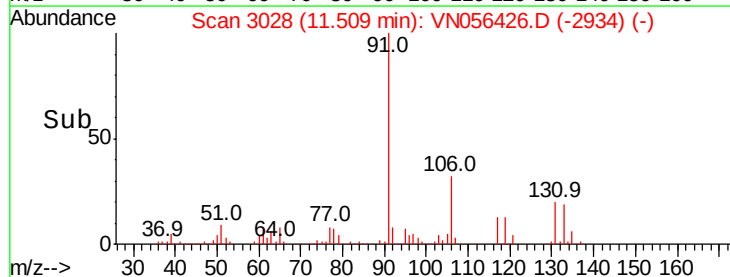
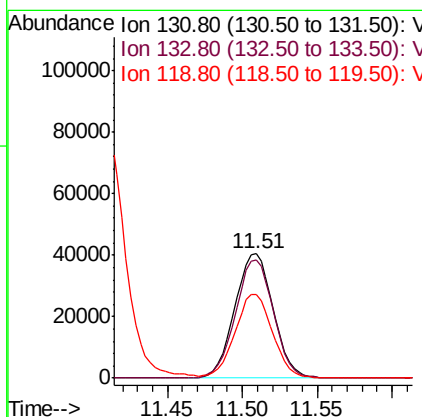
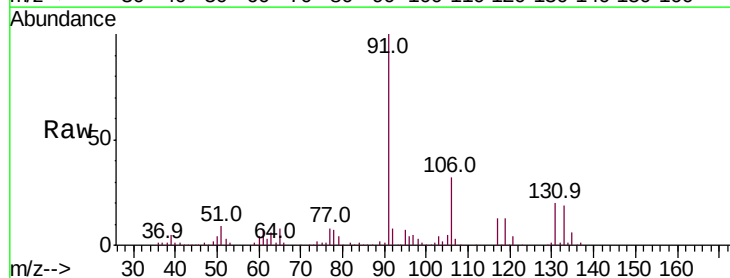
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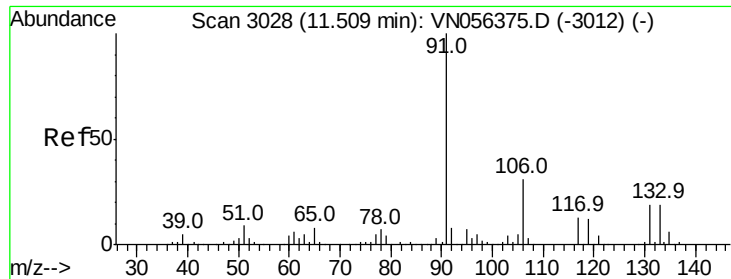
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.463 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion:131 Resp: 72386
Ion Ratio Lower Upper
131 100
133 94.1 47.4 142.2
119 66.2 32.8 98.4





#67

Ethyl Benzene

Concen: 20.172 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS02

Tot Ion: 91 Resp: 353426

Ion Ratio Lower Upper

91 100

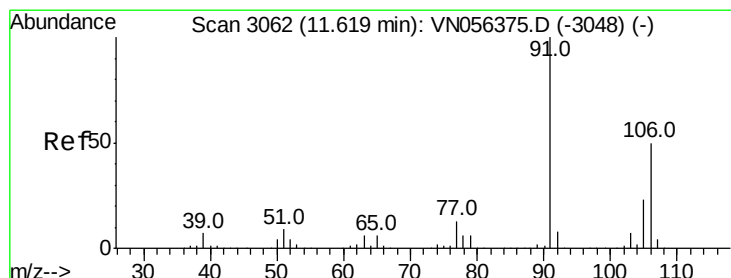
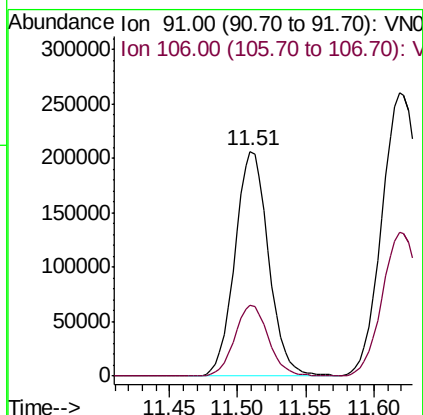
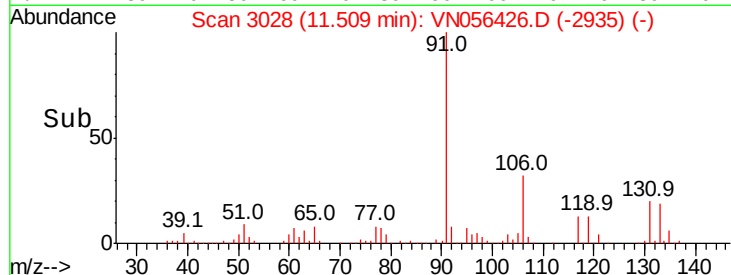
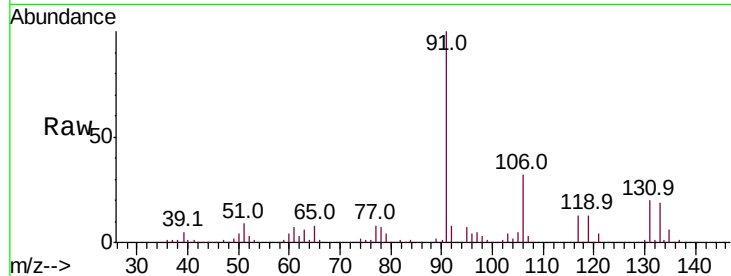
106 31.6 25.1 37.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.783 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056426.D

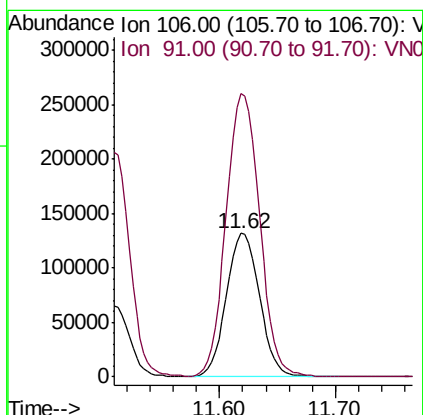
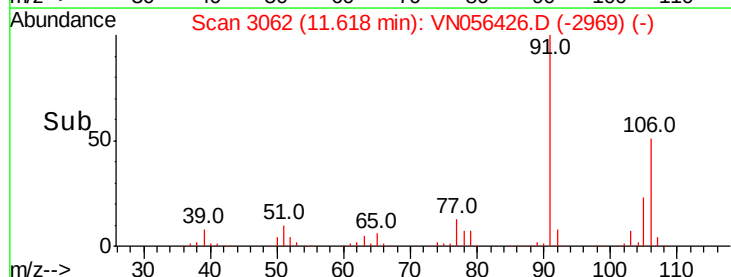
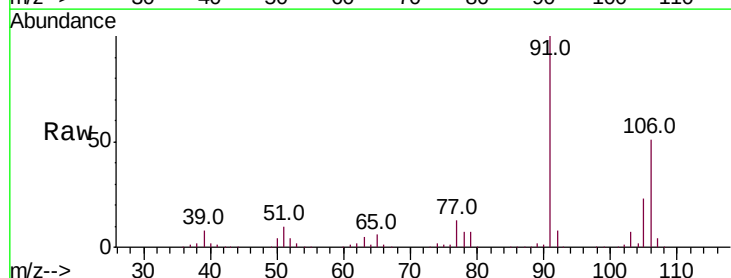
Acq: 21 Jun 2019 15:16

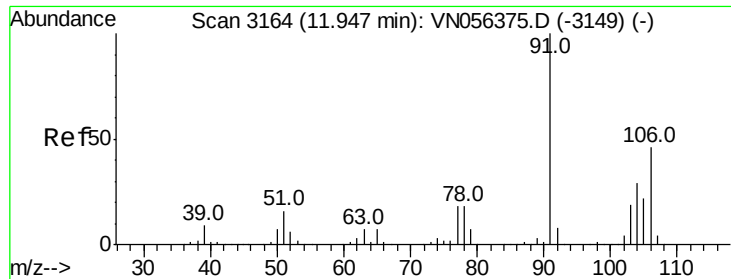
Tgt Ion: 106 Resp: 261870

Ion Ratio Lower Upper

106 100

91 198.9 160.1 240.1





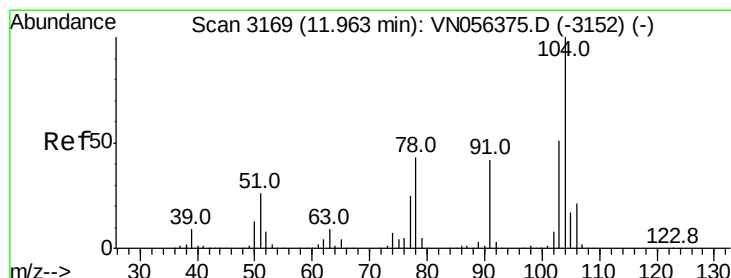
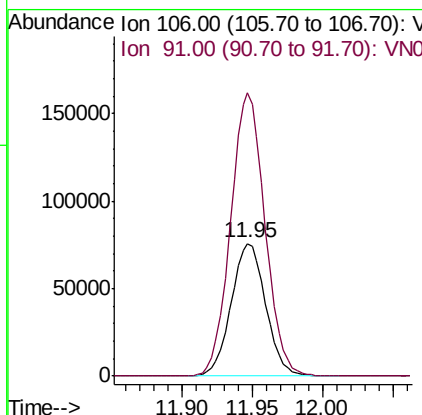
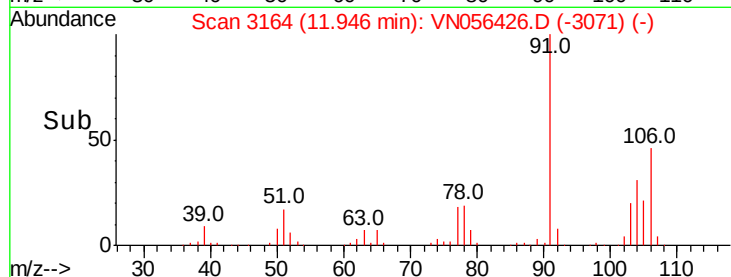
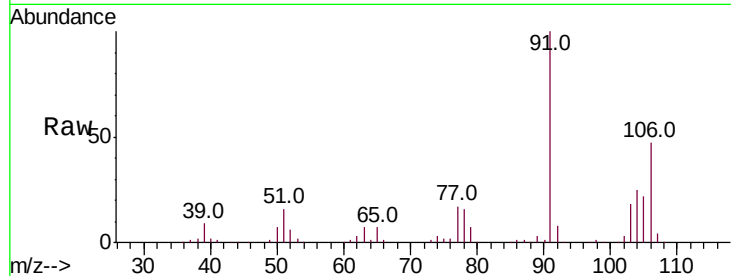
#69
o-Xylene
Concen: 20.423 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion:106 Resp: 129740
Ion Ratio Lower Upper
106 100
91 212.5 107.1 321.3

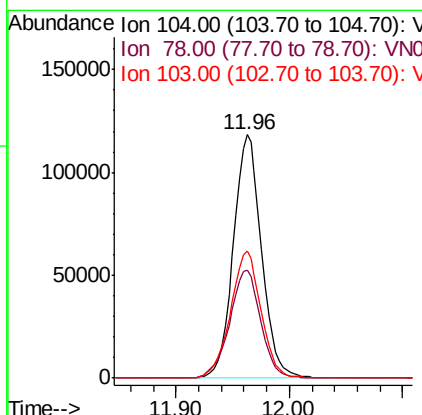
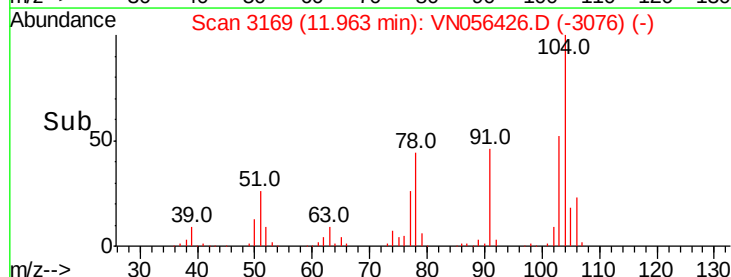
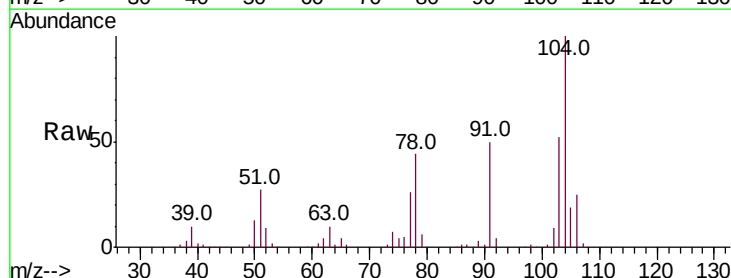
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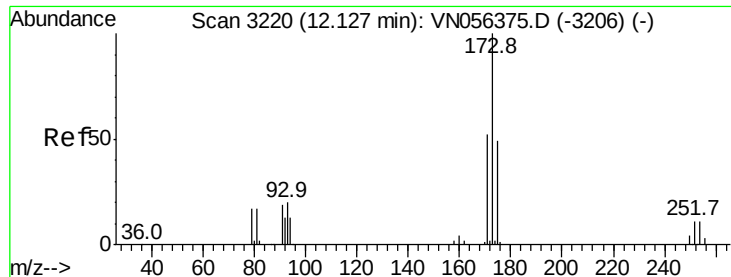
MMDadoda
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#70
Styrene
Concen: 20.129 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion:104 Resp: 204394
Ion Ratio Lower Upper
104 100
78 48.8 38.6 57.8
103 56.6 43.9 65.9





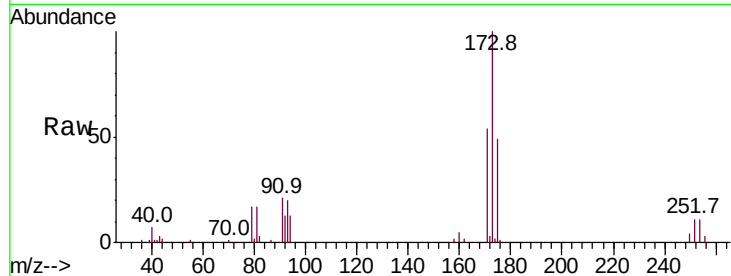
#71
Bromoform
Concen: 19.089 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

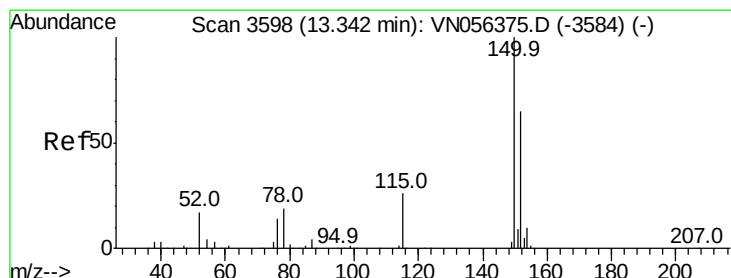
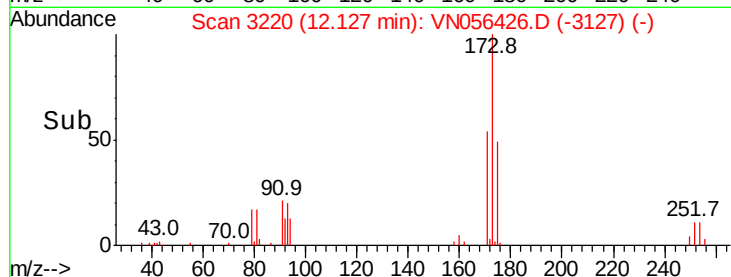
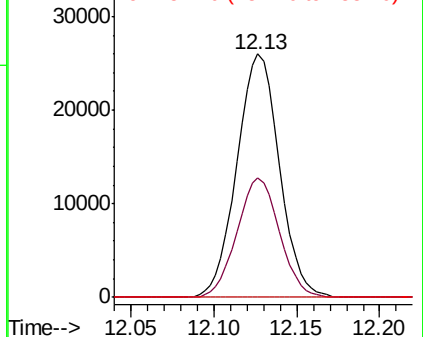
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.0	0.0	0.0

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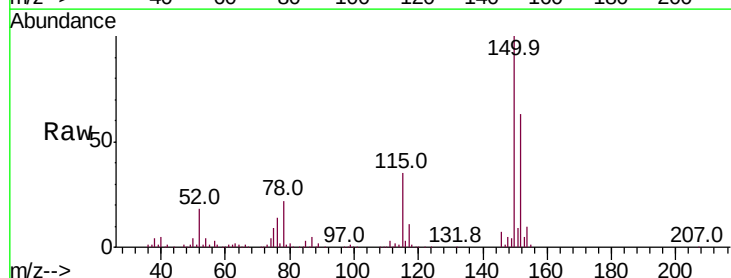


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

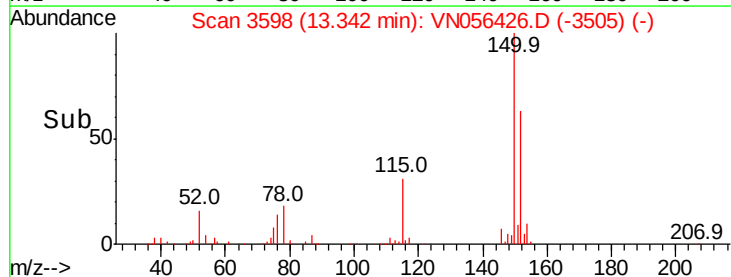
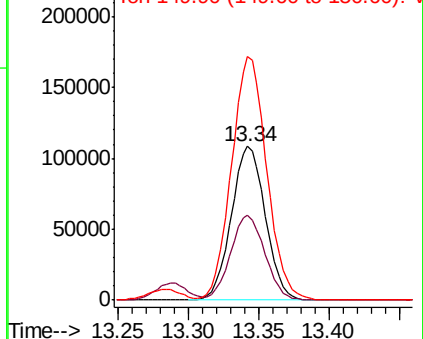


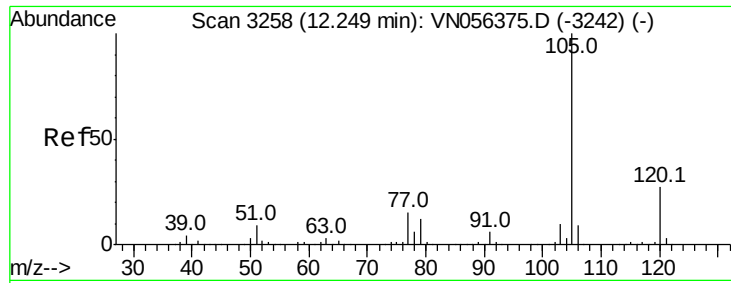
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.1	84.4
150	163.6	0.0	348.4



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





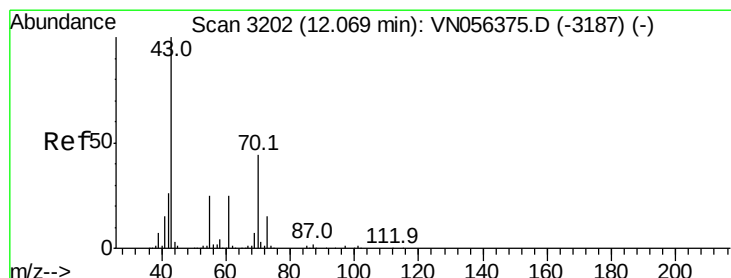
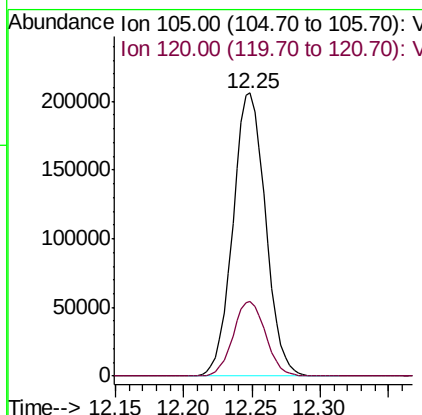
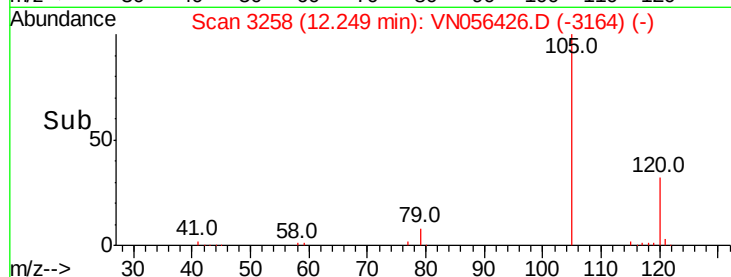
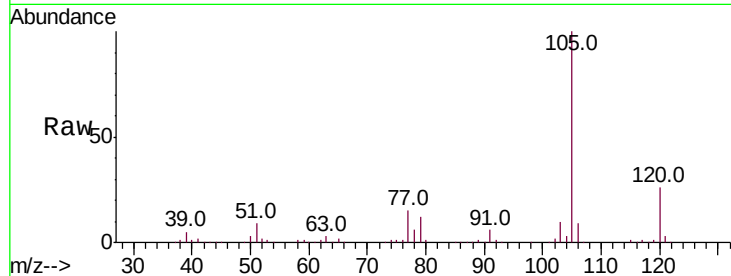
#73
Isopropylbenzene
Concen: 23.423 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.2

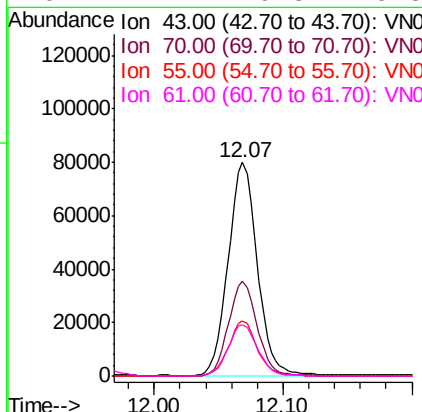
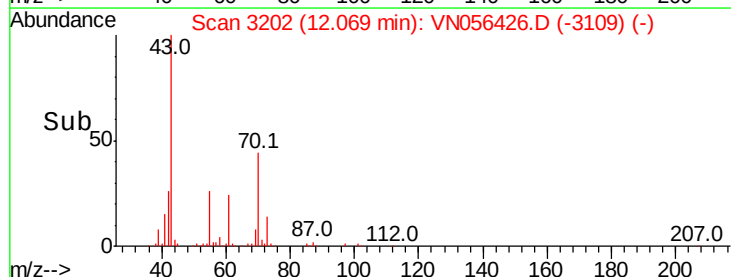
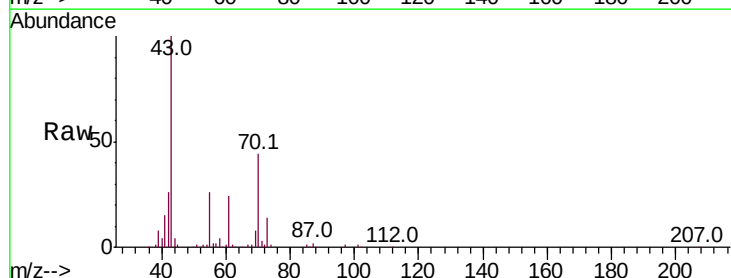
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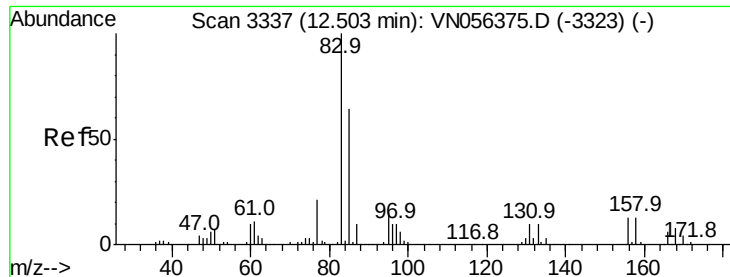
MMDadoda
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#74
N-ethyl acetate
Concen: 21.480 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.7	34.9	52.3
55	25.7	20.4	30.6
61	24.4	19.8	29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.805 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

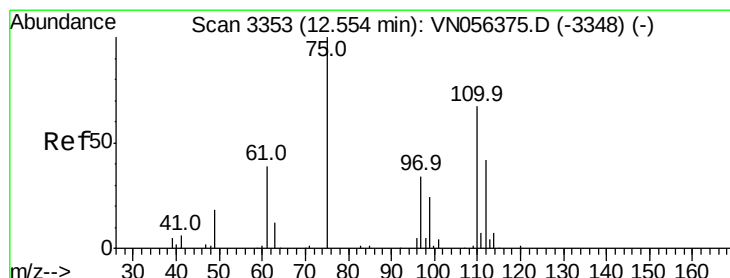
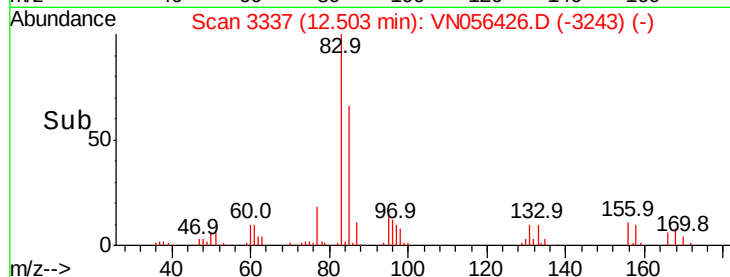
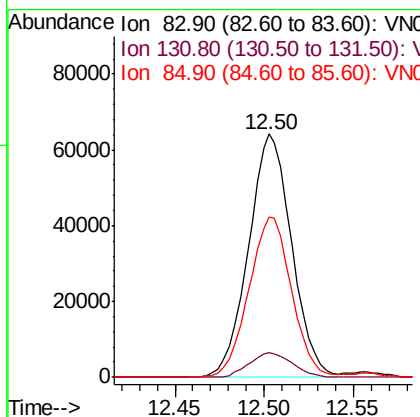
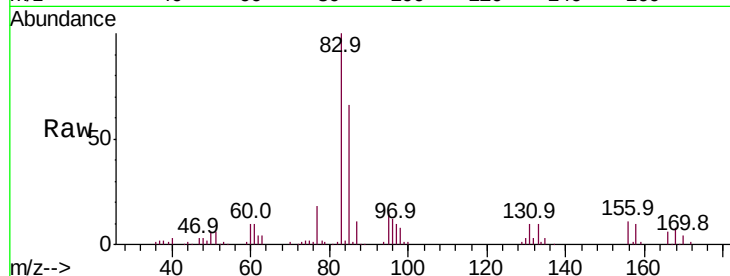
ClientSampleId :

VN0621WBS02

Tot Ion:	83	Resp:	108284
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	65.5	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 25.198 ug/l m

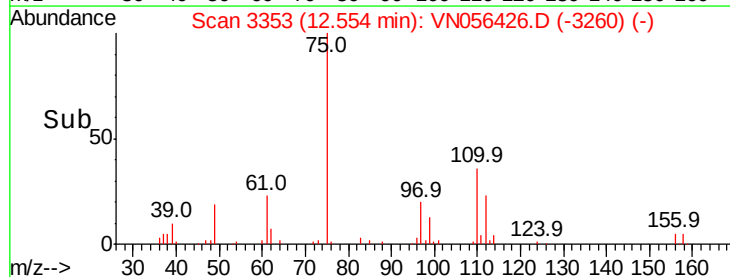
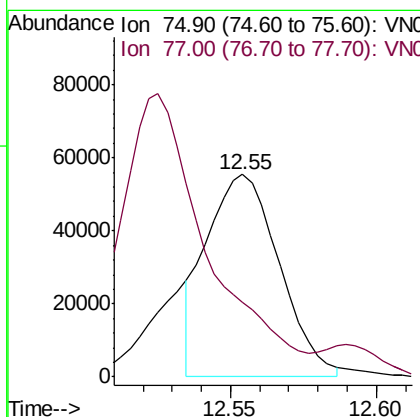
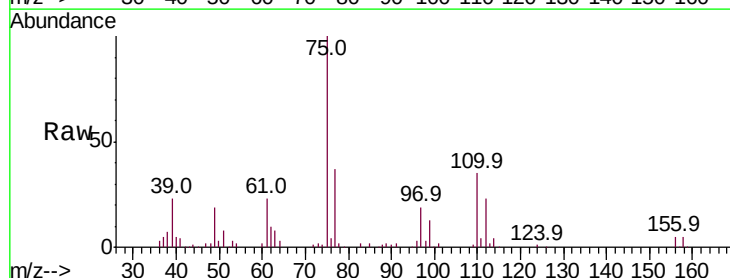
RT: 12.55 min Scan# 3353

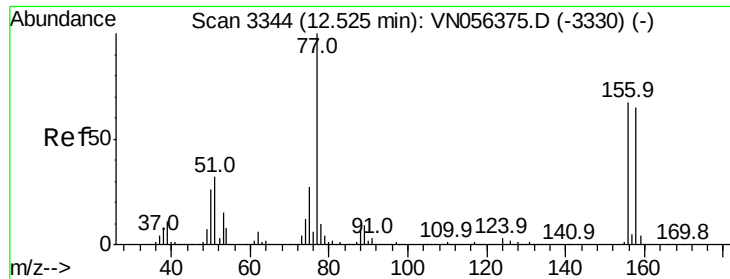
Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Tgt Ion:	75	Resp:	95733
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.810 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

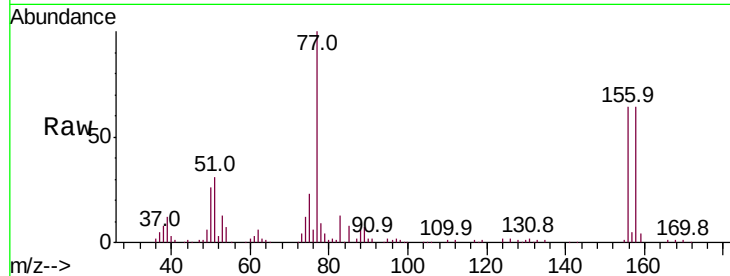
ClientSampled :

VN0621WBS02

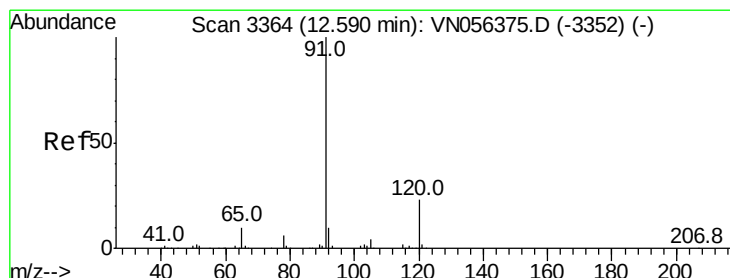
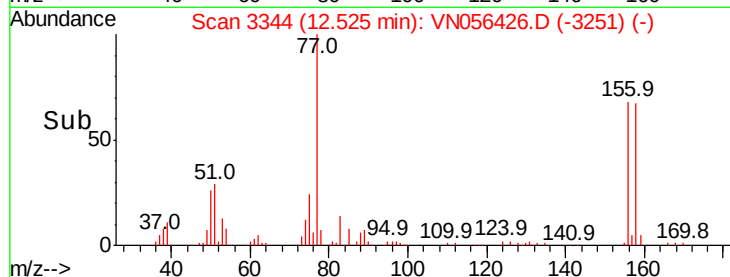
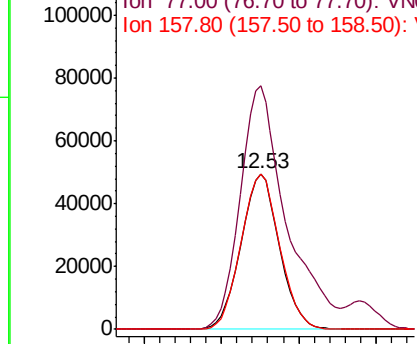
Tot Ion:	156	Resp:	85255
Ion	Ratio	Lower	Upper
156	100		
77	189.4	92.5	277.3
158	100.4	48.7	146.1

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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: 21.129 ug/l

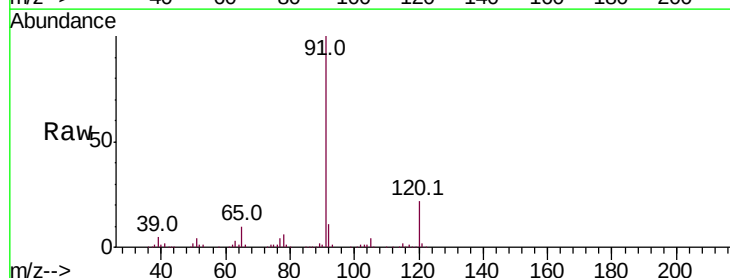
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

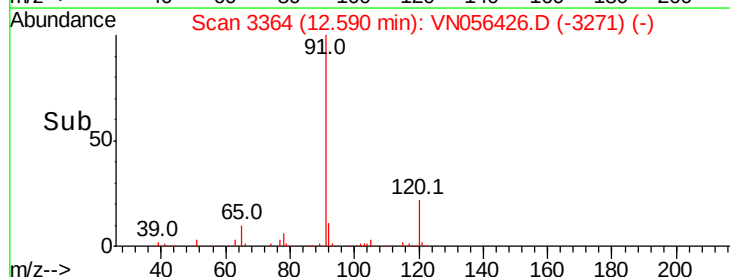
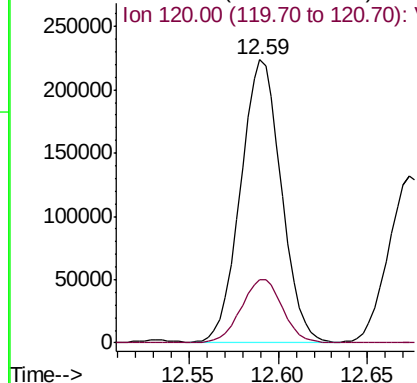
Lab File: VN056426.D

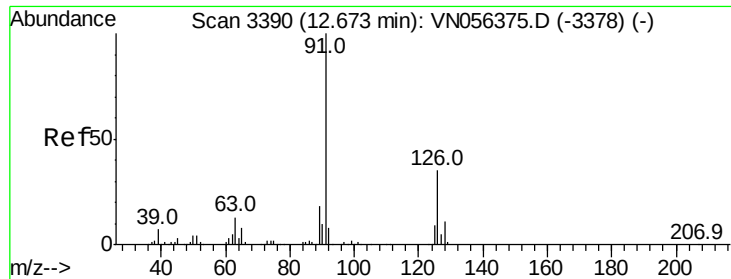
Acq: 21 Jun 2019 15:16

Tgt Ion:	91	Resp:	354527
Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.8	35.4



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





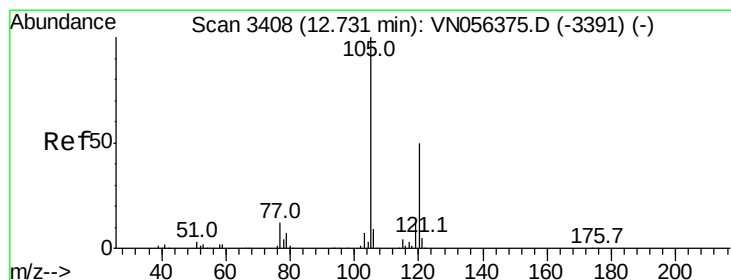
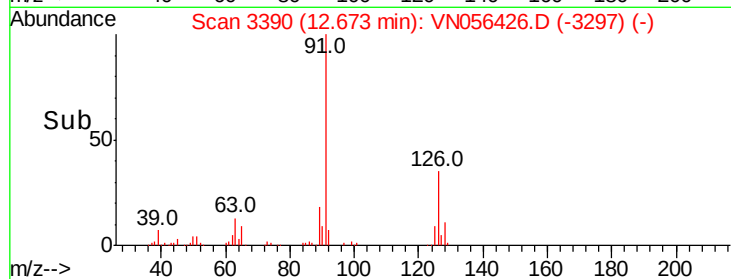
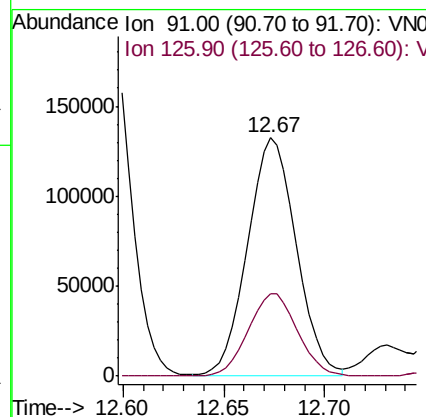
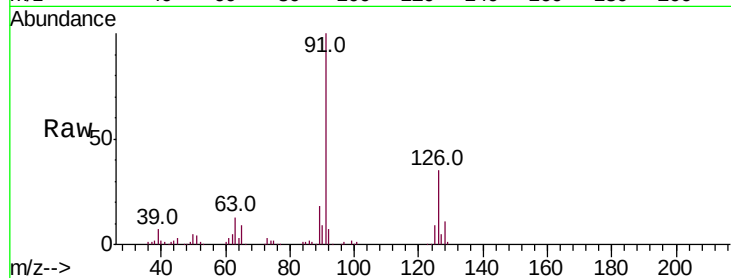
#79
 2-Chlorotoluene
 Concen: 22.789 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.6	52.8

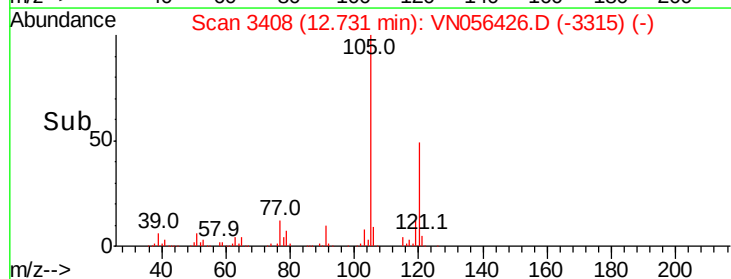
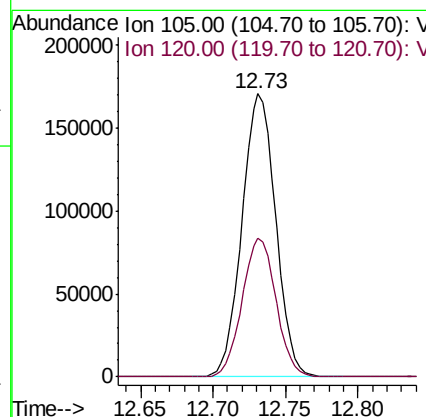
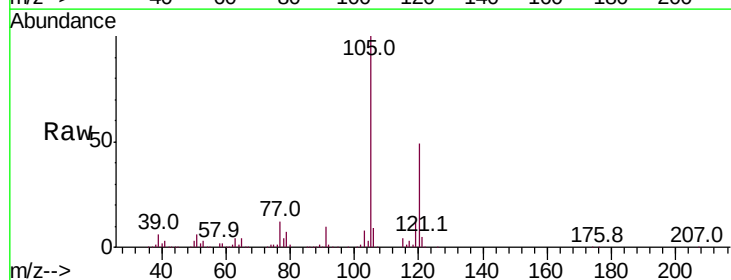
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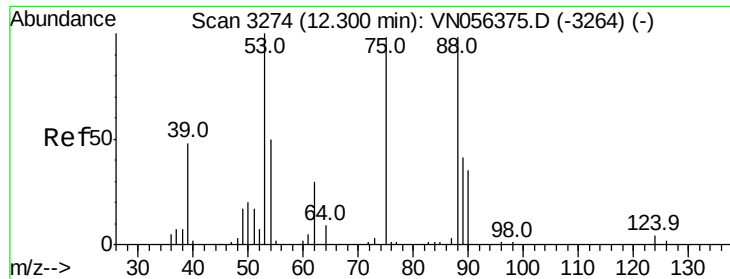
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.705 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.8	74.4





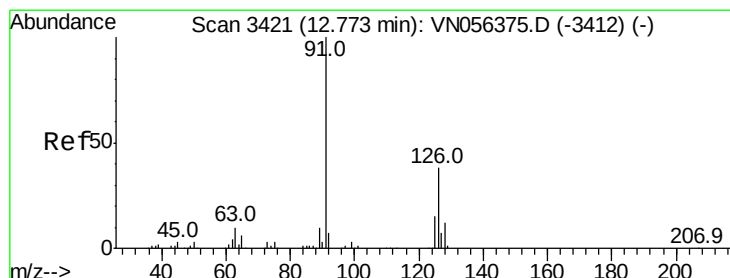
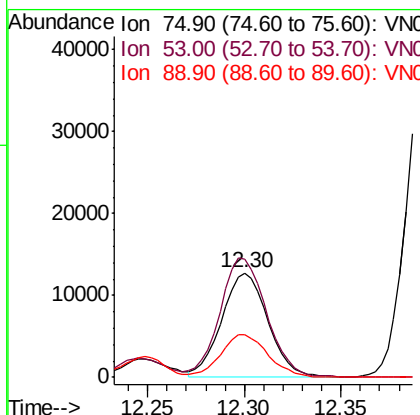
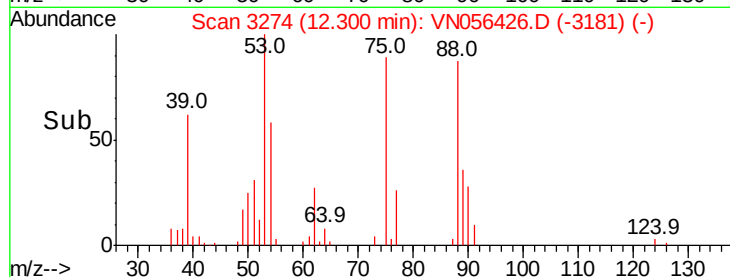
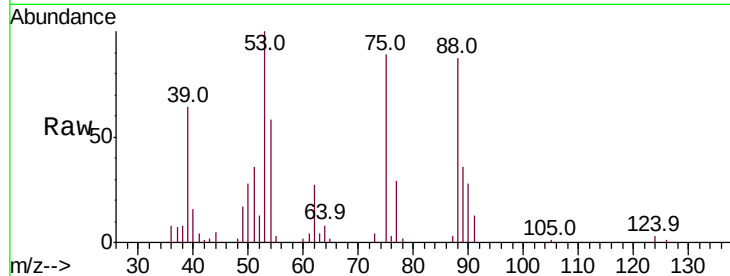
#81
trans-1,4-Dichloro-2-butene
Concen: 19.857 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.0	83.9	125.9
89	41.7	35.0	52.6

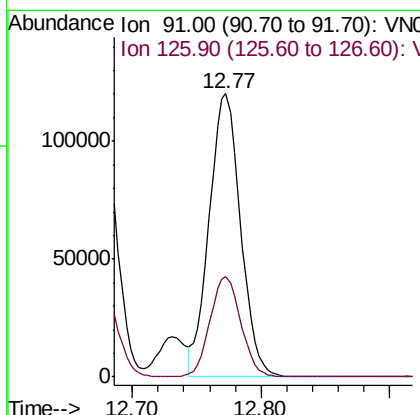
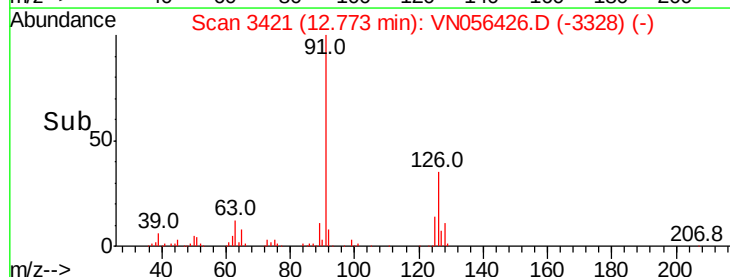
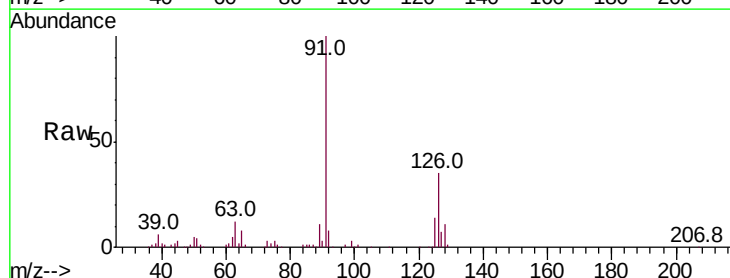
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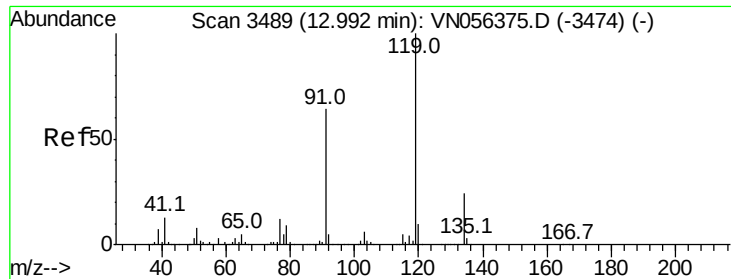
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#82
4-Chlorotoluene
Concen: 20.501 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	52.0





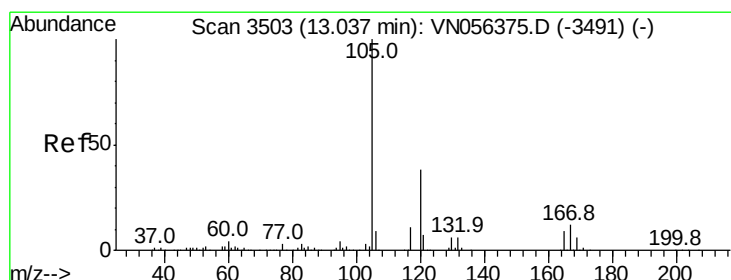
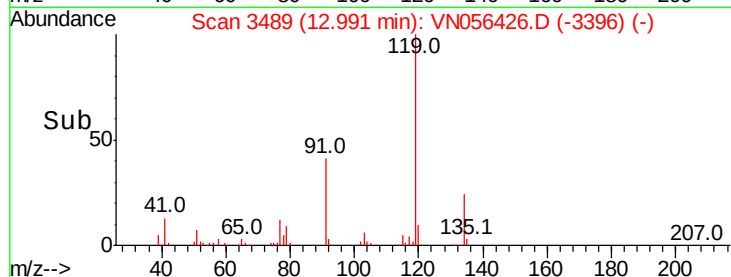
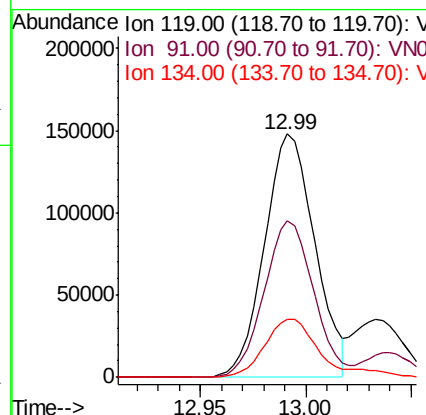
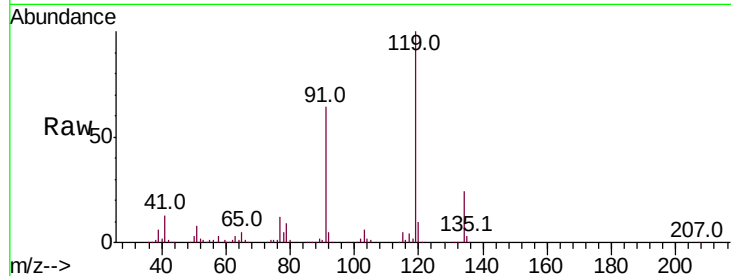
#83
tert-Butylbenzene
Concen: 22.921 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	245324		
91	63.3	31.6	94.7	
134	26.7	13.2	39.5	

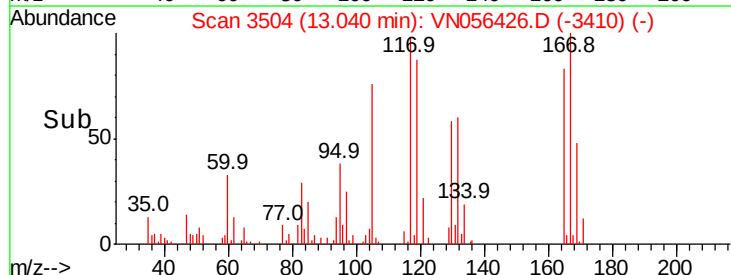
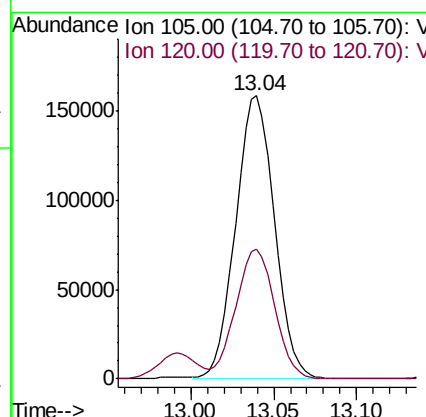
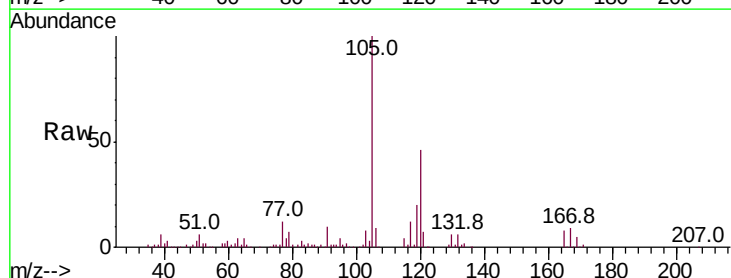
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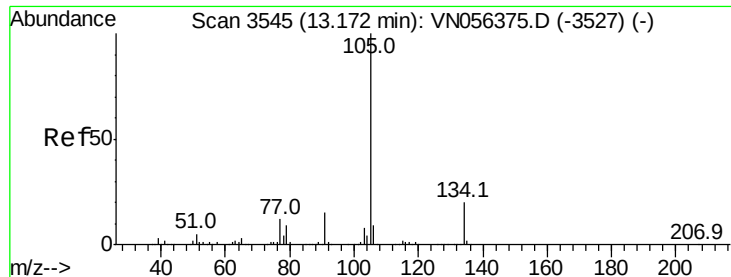
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#84
1,2,4-Trimethylbenzene
Concen: 20.837 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056426.D
Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	257013		
120	46.1	22.9	68.8	





#85

sec-Butylbenzene

Concen: 21.156 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS02

Tot Ion:105 Resp: 312009

Ion Ratio Lower Upper

105 100

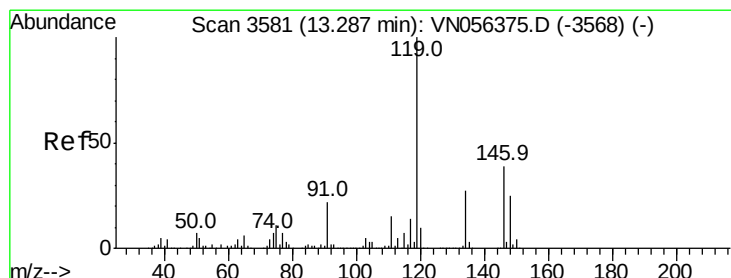
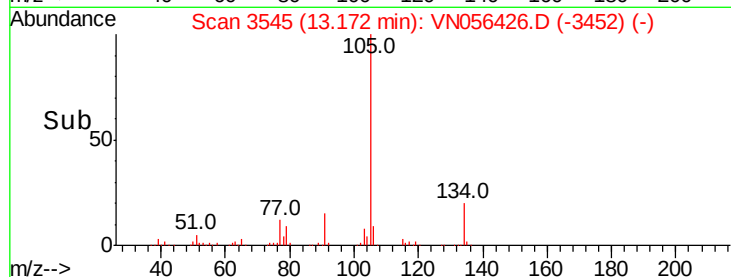
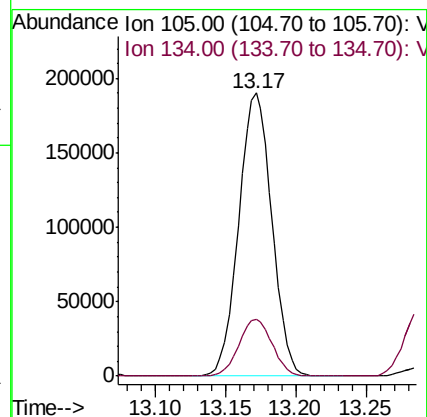
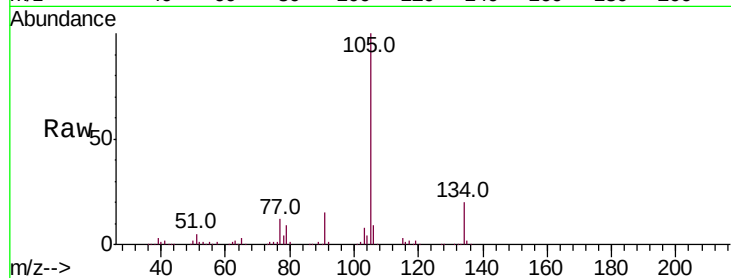
134 20.3 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.433 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

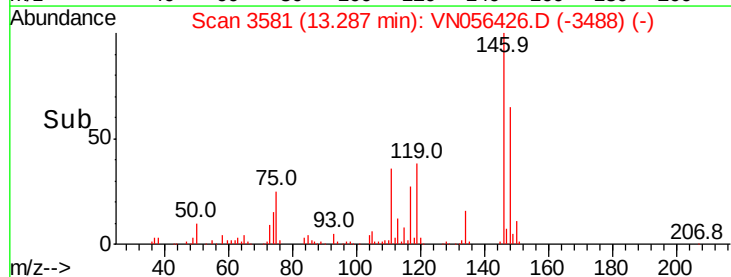
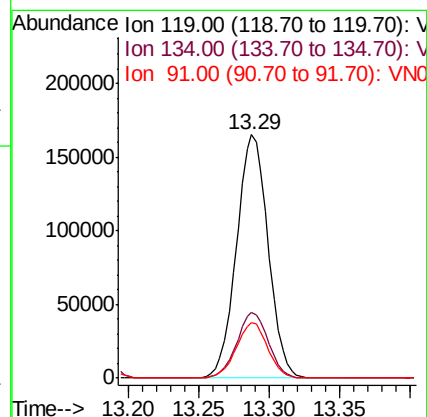
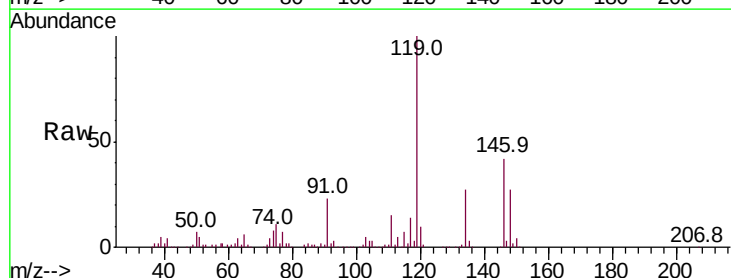
Tgt Ion:119 Resp: 258614

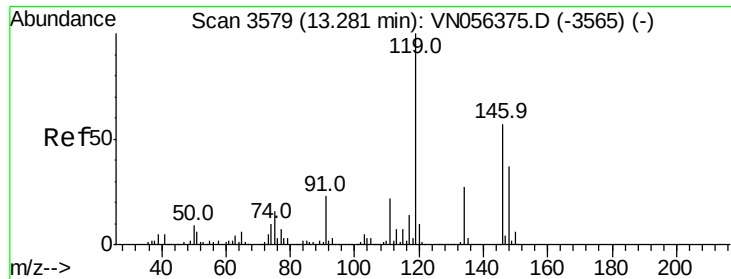
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.5 11.2 33.5





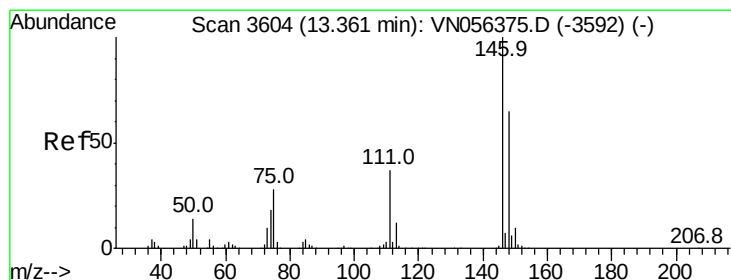
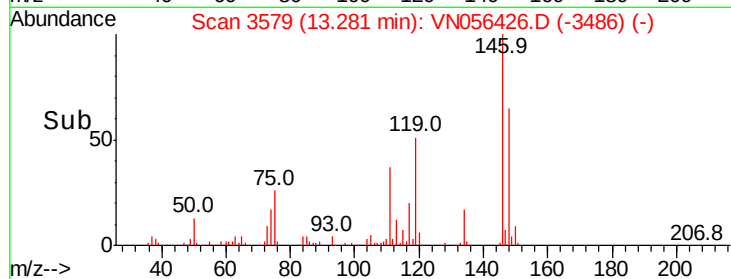
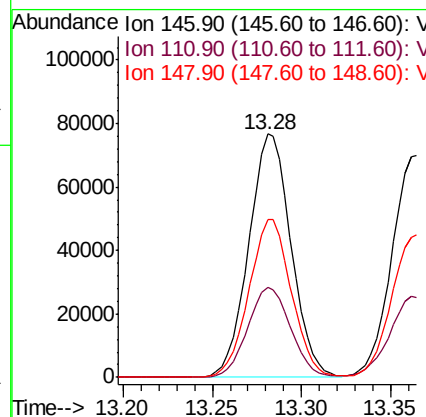
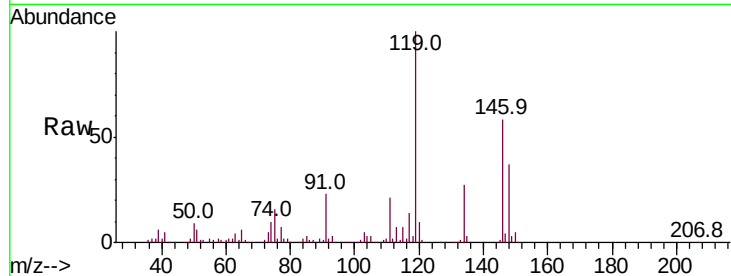
#87
 1,3-Dichlorobenzene
 Concen: 20.416 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	65.2	32.1	96.5

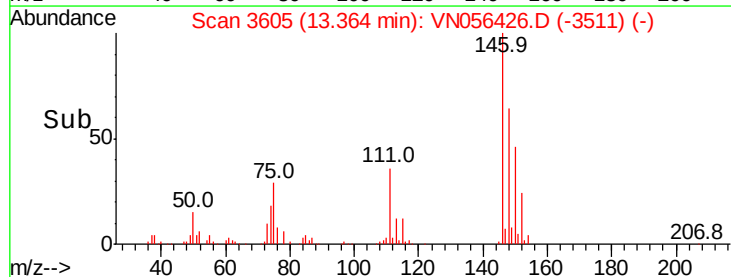
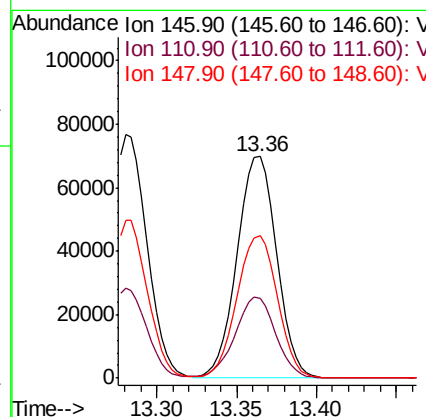
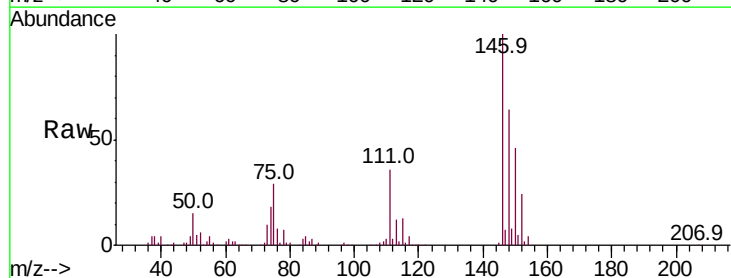
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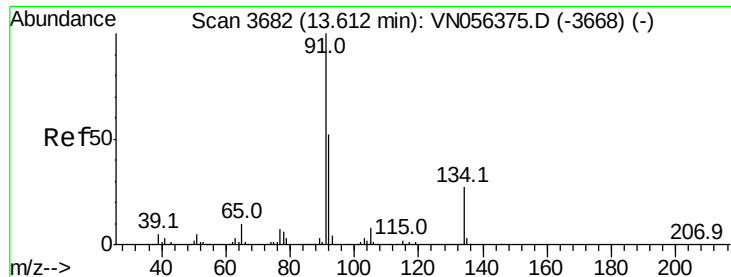
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#88
 1,4-Dichlorobenzene
 Concen: 19.627 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.4
148	66.0	32.4	97.0





#89

n-Butylbenzene

Concen: 18.348 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

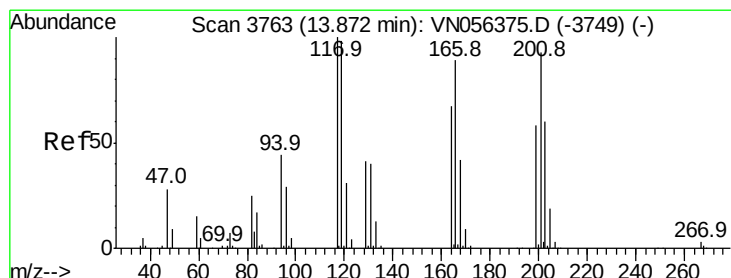
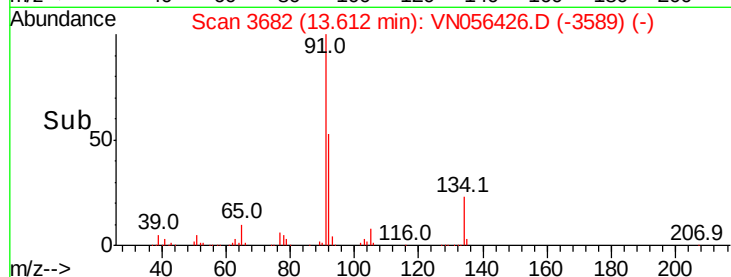
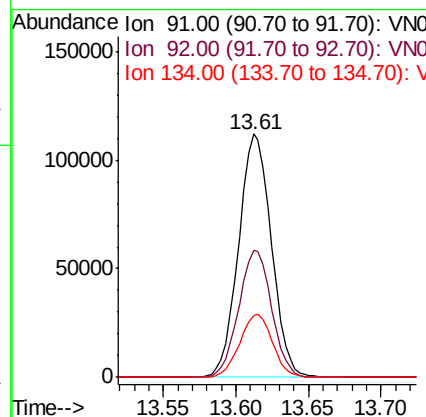
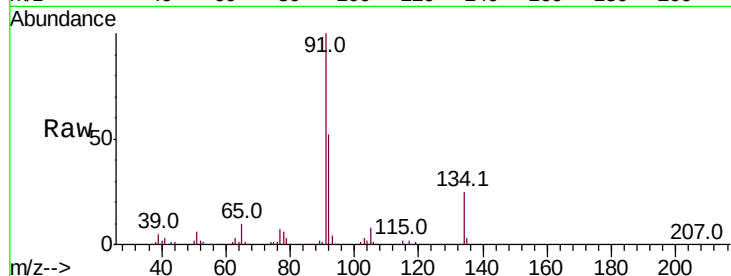
ClientSampleId :

VN0621WBS02

Tot Ion:	91	Resp:	175802
Ion Ratio	Lower	Upper	
91	100		
92	52.5	26.2	78.5
134	25.7	13.4	40.2

Manual Integrations
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#90

Hexachloroethane

Concen: 20.308 ug/l

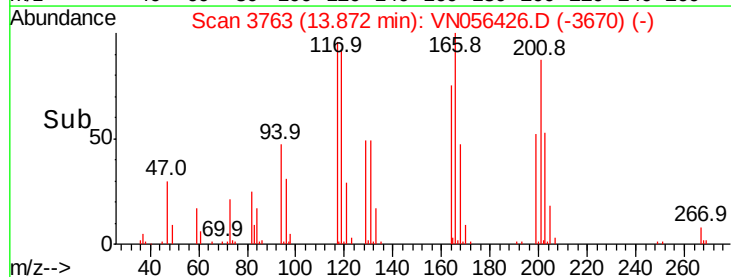
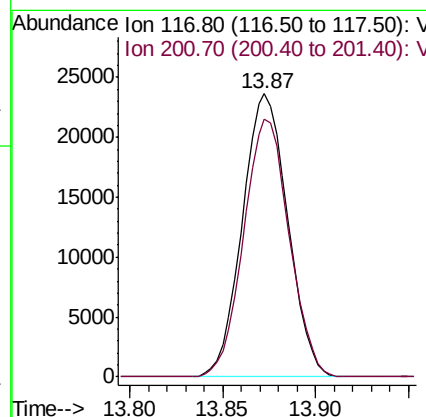
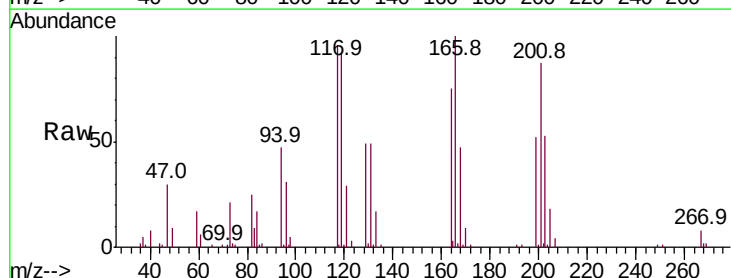
RT: 13.87 min Scan# 3763

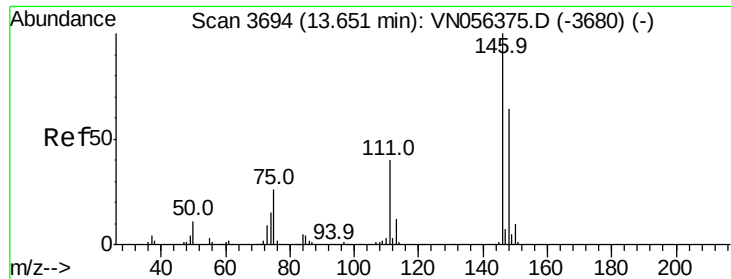
Delta R.T. -0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Tgt Ion:	117	Resp:	40073
Ion Ratio	Lower	Upper	
117	100		
201	91.4	45.9	137.6





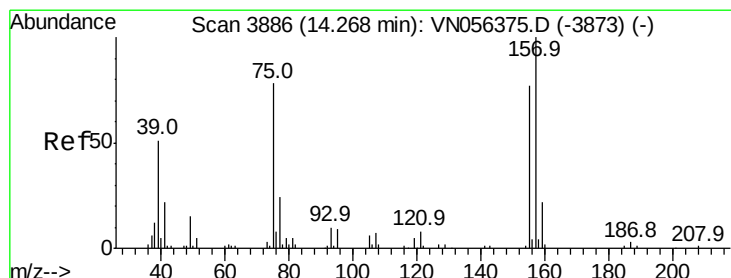
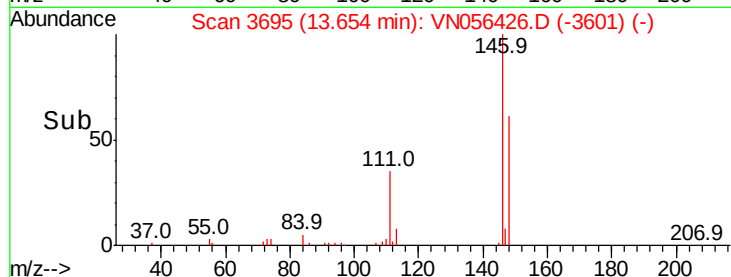
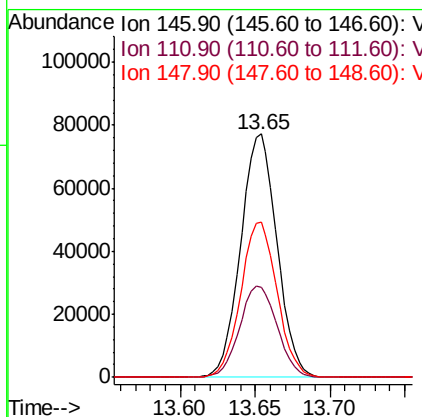
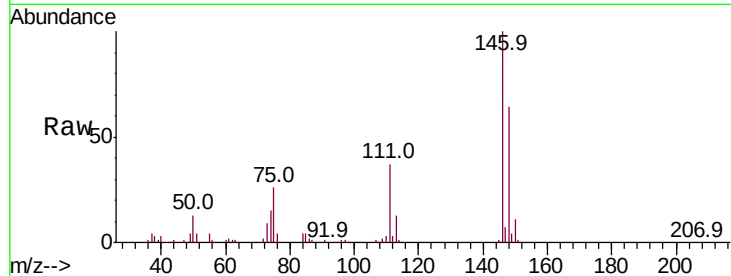
#91
 1,2-Dichlorobenzene
 Concen: 21.174 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	63.6	32.0	96.0

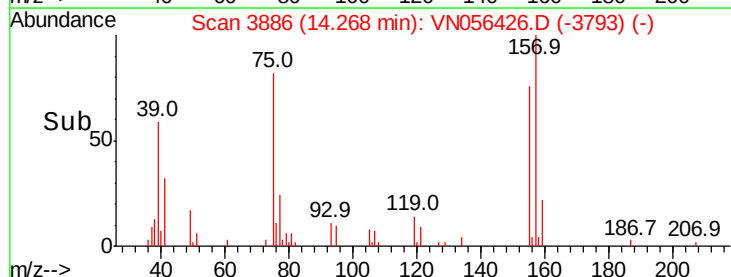
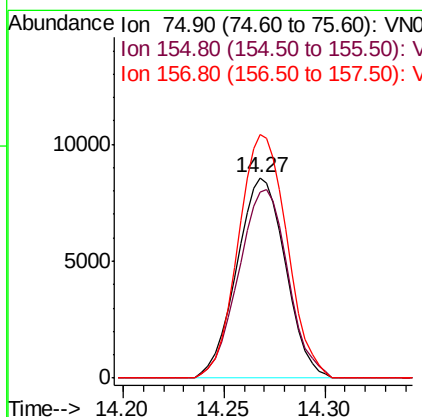
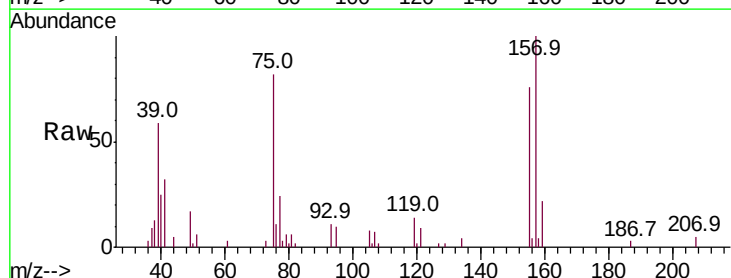
Manual Integrations
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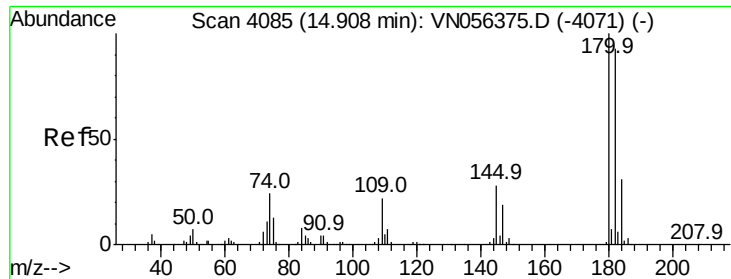
MMDadoda
 6/24/2019 4:16:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.386 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	48.9	146.8
157	121.3	62.9	188.8





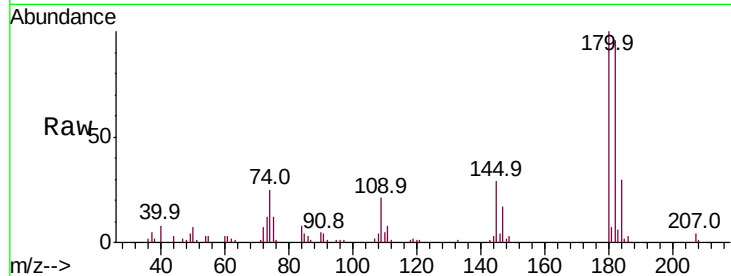
#93
 1,2,4-Trichlorobenzene
 Concen: 17.119 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS02

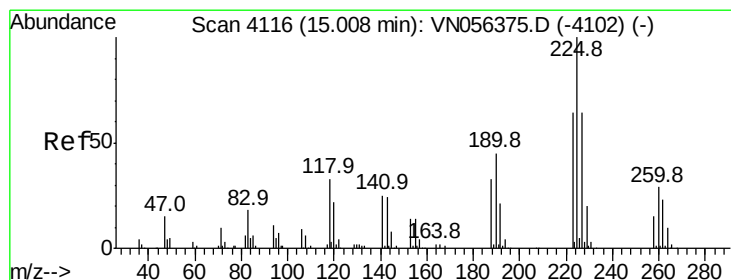
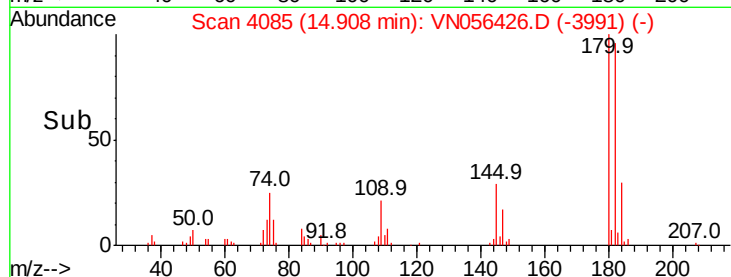
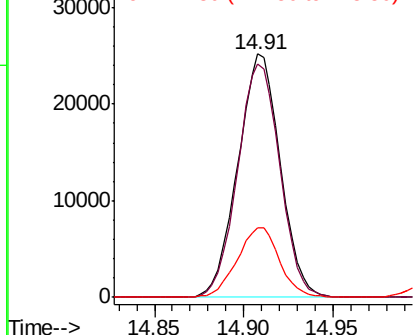
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.9	140.6
145	28.6	14.4	43.0

Manual Integrations
 APPROVED

MMDadoda
 6/24/2019 4:16:22 PM

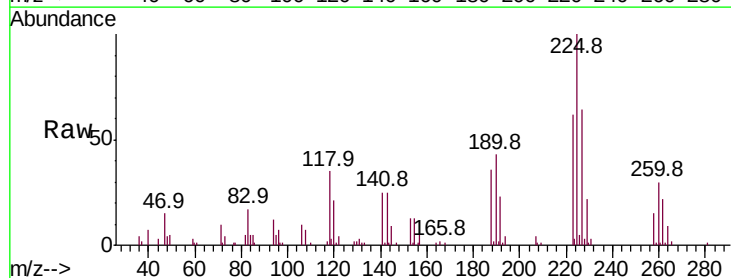


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

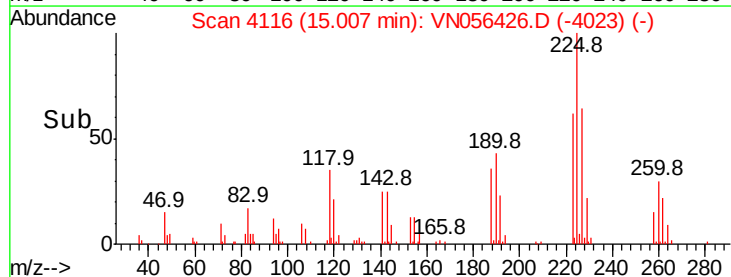
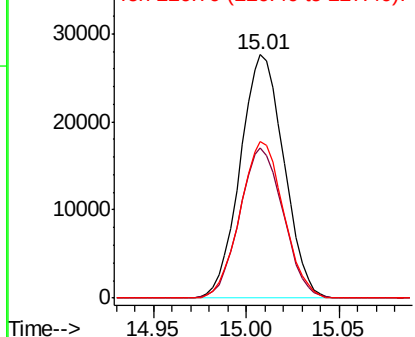


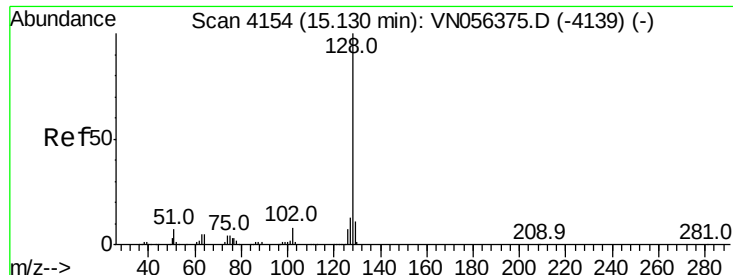
#94
 Hexachlorobutadiene
 Concen: 20.524 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056426.D
 Acq: 21 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.4	94.3
227	63.9	32.1	96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.348 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Instrument :

MSVOA_N

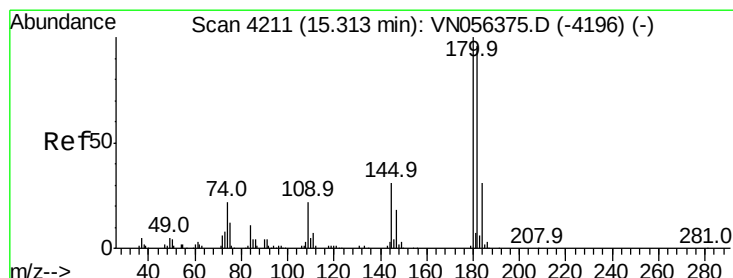
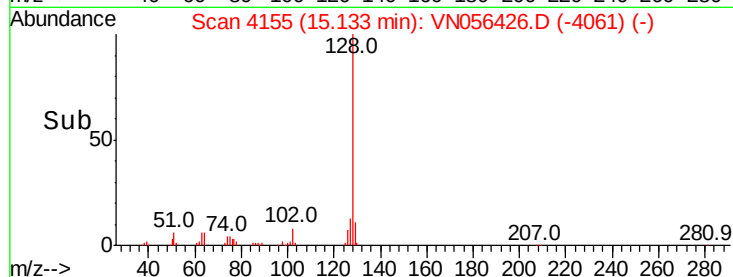
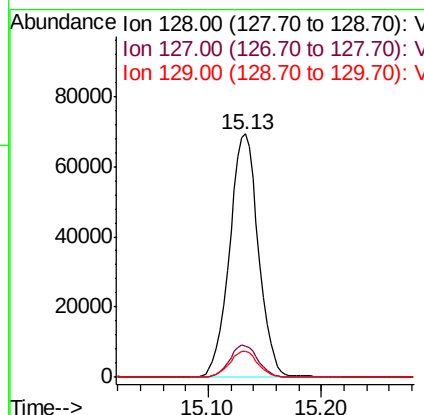
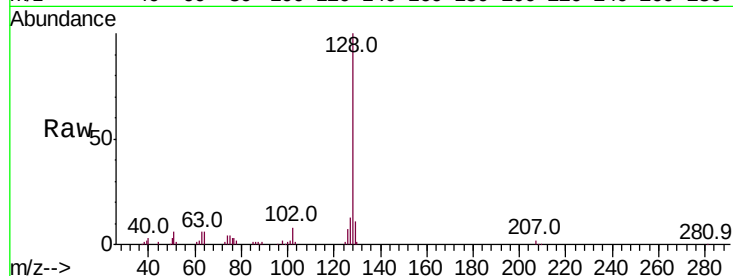
ClientSampleId :

VN0621WBS02

Tot Ion:	128	Resp:	122731
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/24/2019 4:16:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.342 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056426.D

Acq: 21 Jun 2019 15:16

Tgt Ion:	180	Resp:	50606
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.3	144.8
145	30.3	15.4	46.1

