

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056232.D
 Acq On : 11 Jun 2019 18:58
 Operator : JC/SP
 Sample : K3284-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Manual Integrations
 APPROVED

MMDadoda
 6/12/2019 11:11:40 AM

Quant Time: Jun 12 07:31:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	291902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	410384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	366621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	153886	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
35) Dibromofluoromethane	7.59	113	143360	56.94	ug/l	0.00
Spiked Amount			Recovery	=	113.88%	
50) Toluene-d8	10.09	98	529676	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	
62) 4-Bromofluorobenzene	12.40	95	173552	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	149759	46.723	ug/l	98
3) Chloromethane	2.06	50	156644	49.505	ug/l	100
4) Vinyl Chloride	2.18	62	159155	50.143	ug/l	99
5) Bromomethane	2.54	94	95807	47.784	ug/l	100
6) Chloroethane	2.69	64	91294	49.609	ug/l	100
7) Trichlorofluoromethane	3.01	101	203017	50.103	ug/l	100
8) Diethyl Ether	3.40	74	78253	46.962	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	124830	50.715	ug/l	98
10) Methyl Iodide	3.94	142	187738	47.996	ug/l	100
11) Tert butyl alcohol	4.82	59	102474	203.171	ug/l	99
12) 1,1-Dichloroethene	3.72	96	124909	50.973	ug/l	96
13) Acrolein	3.60	56	51800	356.099	ug/l	99
14) Allyl chloride	4.31	41	191694	49.541	ug/l	99
15) Acrylonitrile	4.99	53	340824	277.592	ug/l	99
16) Acetone	3.82	43	263513	190.099	ug/l	100
17) Carbon Disulfide	4.04	76	308124	52.515	ug/l	99
18) Methyl Acetate	4.33	43	133561	49.040	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	391691	50.146	ug/l	99
20) Methylene Chloride	4.54	84	144384	50.557	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	136153	51.856	ug/l	95
22) Diisopropyl ether	5.96	45	401267	50.167	ug/l	98
23) Vinyl Acetate	5.90	43	1444165	229.270	ug/l	99
24) 1,1-Dichloroethane	5.84	63	239017	51.803	ug/l	99
25) 2-Butanone	6.84	43	430435	245.766	ug/l	99
26) 2,2-Dichloropropane	6.82	77	132797	36.885	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	155494	50.382	ug/l	96
28) Bromochloromethane	7.19	49	119165	54.614	ug/l	96
29) Tetrahydrofuran	7.22	42	291289	269.061	ug/l	99
30) Chloroform	7.37	83	243092	52.374	ug/l	98
31) Cyclohexane	7.65	56	216984	47.180	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	202948	52.361	ug/l	100
36) 1,1-Dichloropropene	7.79	75	174953	49.580	ug/l	99
37) Ethyl Acetate	6.93	43	156698	49.908	ug/l	99
38) Carbon Tetrachloride	7.77	117	175619	53.982	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215233	48.963	ug/l	99
40) Benzene	8.04	78	565057	52.723	ug/l	99
41) Methacrylonitrile	7.18	41	81907	56.700	ug/l	94
42) 1,2-Dichloroethane	8.12	62	180520	52.363	ug/l	99
43) Isopropyl Acetate	8.17	43	250528	49.241	ug/l #	91
44) Trichloroethene	8.83	130	162118	52.641	ug/l	96
45) 1,2-Dichloropropane	9.12	63	147578	53.758	ug/l	100
46) Dibromomethane	9.21	93	96908	53.983	ug/l	96
47) Bromodichloromethane	9.40	83	182905	56.217	ug/l	99
48) Methyl methacrylate	9.20	41	130733	52.522	ug/l	96
49) 1,4-Dioxane	9.20	88	53770	1000.619	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	859974	270.291	ug/l	99
52) Toluene	10.16	92	347411	52.092	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	173321	45.655	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	204476	52.284	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	142937	54.107	ug/l	98
56) Ethyl methacrylate	10.43	69	208583	54.121	ug/l	98
57) 1,3-Dichloropropane	10.71	76	229996	53.556	ug/l	100
59) 2-Hexanone	10.75	43	590734	256.173	ug/l	99
60) Dibromochloromethane	10.90	129	154425	52.854	ug/l	98
61) 1,2-Dibromoethane	11.00	107	145946	54.041	ug/l	97
64) Tetrachloroethene	10.63	164	155365	48.957	ug/l	99
65) Chlorobenzene	11.43	112	376520	51.603	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	143147	56.818	ug/l	98
67) Ethyl Benzene	11.51	91	645686	50.892	ug/l	98
68) m/p-Xylenes	11.62	106	494857	102.101	ug/l	98
69) o-Xylene	11.95	106	242180	50.798	ug/l	99
70) Styrene	11.96	104	400601	52.885	ug/l	99
71) Bromoform	12.13	173	113783	53.586	ug/l #	99
73) Isopropylbenzene	12.25	105	632930	54.834	ug/l	100
74) N-amyl acetate	12.07	43	189892	43.804	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	194582	51.541	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	177013m	59.154	ug/l	
77) Bromobenzene	12.53	156	174626	50.154	ug/l	95
78) n-propylbenzene	12.59	91	669182	48.639	ug/l	99
79) 2-Chlorotoluene	12.67	91	405232	53.253	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	515832	47.175	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43235	48.115	ug/l	91
82) 4-Chlorotoluene	12.77	91	394287	48.985	ug/l	99
83) tert-Butylbenzene	12.99	119	461931	54.705	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	507710	48.964	ug/l	99
85) sec-Butylbenzene	13.17	105	585450	48.050	ug/l	99
86) p-Isopropyltoluene	13.29	119	526830	48.314	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	271653	50.410	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	259515	50.063	ug/l	99
89) n-Butylbenzene	13.61	91	386775	47.881	ug/l	100
90) Hexachloroethane	13.87	117	90216	54.860	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	271371	49.879	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30761	56.967	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	131643	44.429	ug/l	99

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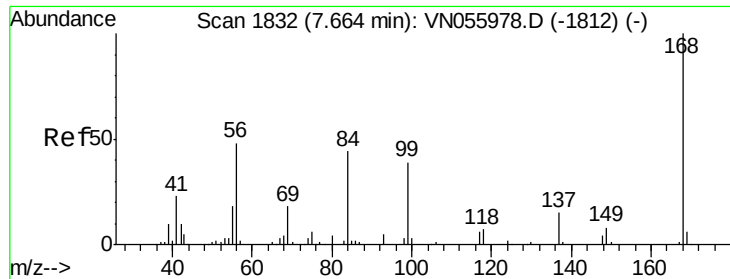
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	102556	55.176	ug/l	97
95) Naphthalene	15.13	128	344939	44.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	147356	48.335	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:168 Resp: 291902

Ion Ratio Lower Upper

168 100

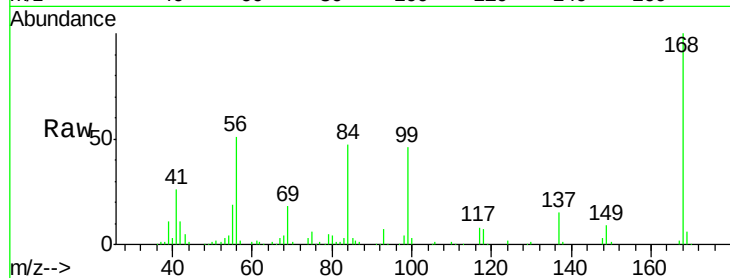
99 45.3 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

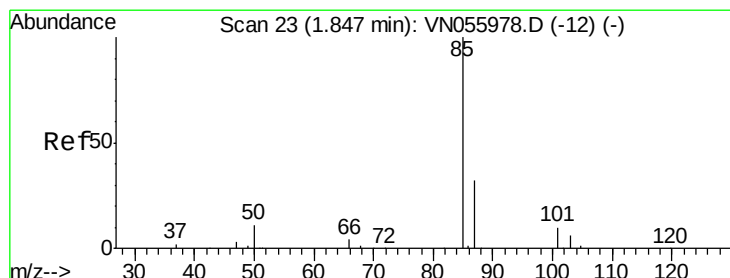
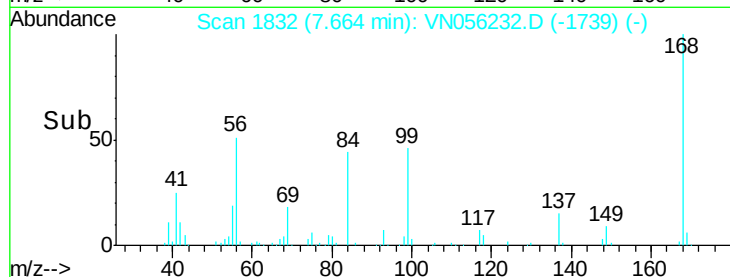
7.66

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 46.723 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056232.D

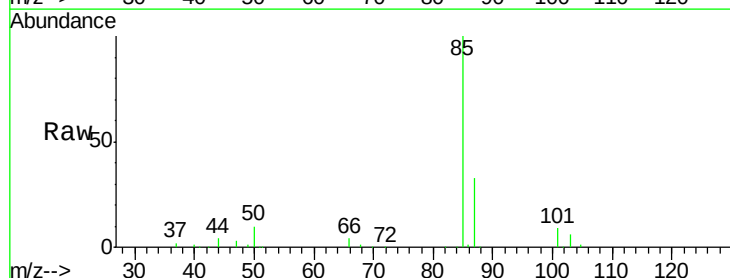
Acq: 11 Jun 2019 18:58

Tgt Ion: 85 Resp: 149759

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

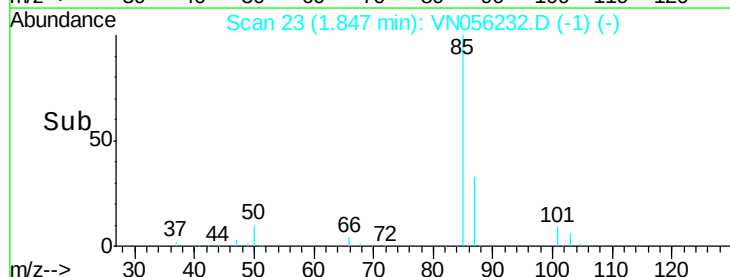
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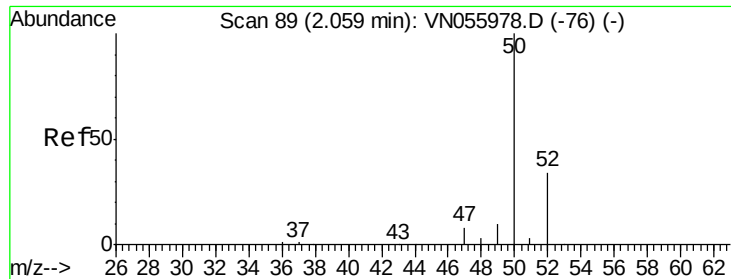
40000

20000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 49.505 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 50 Resp: 156644

Ion Ratio Lower Upper

50 100

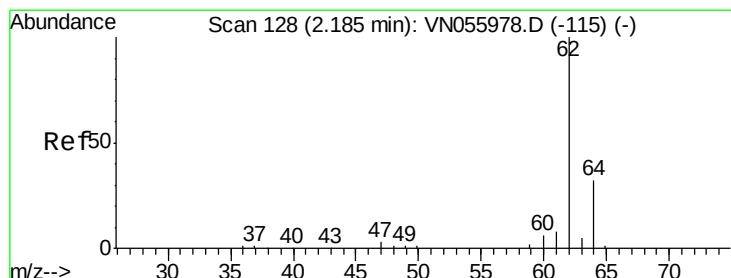
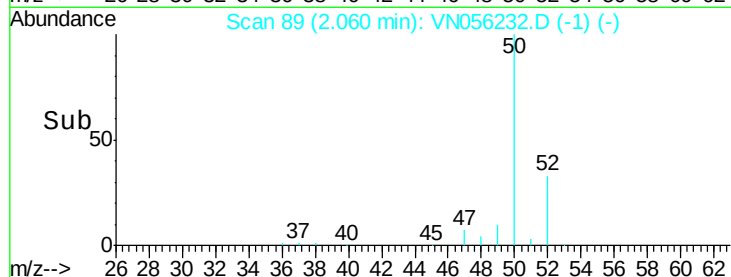
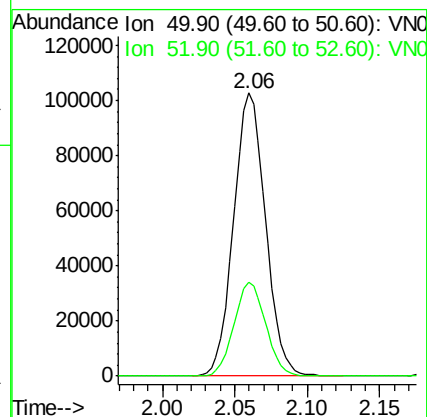
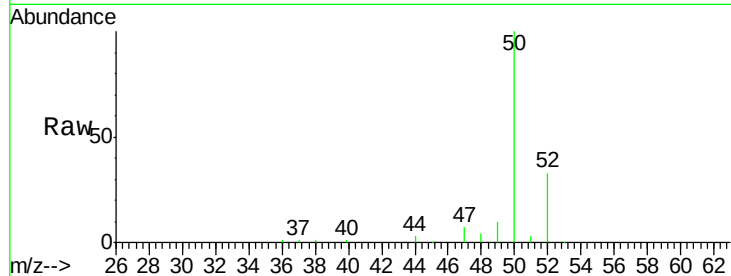
52 33.0 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.143 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056232.D

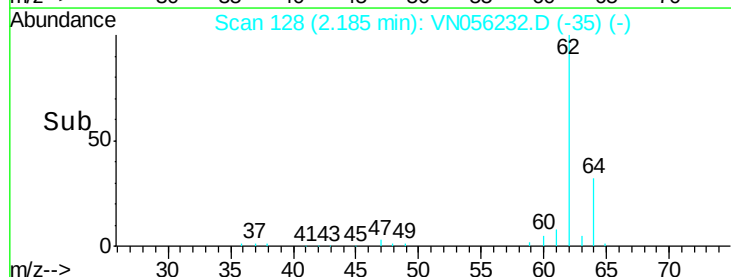
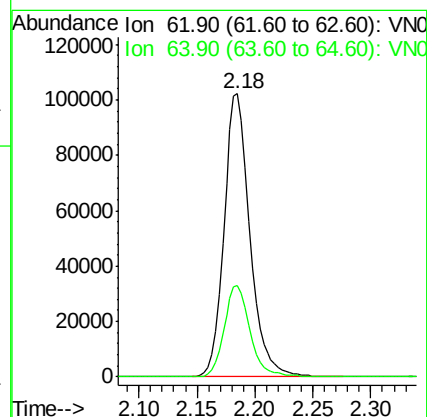
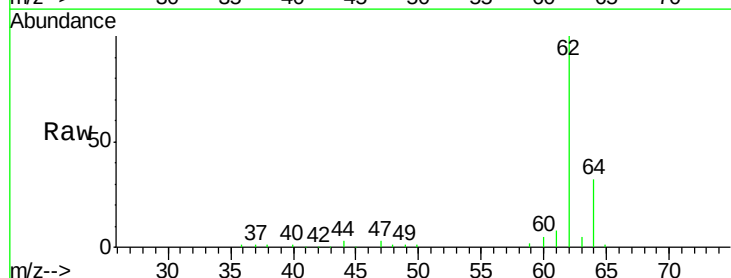
Acq: 11 Jun 2019 18:58

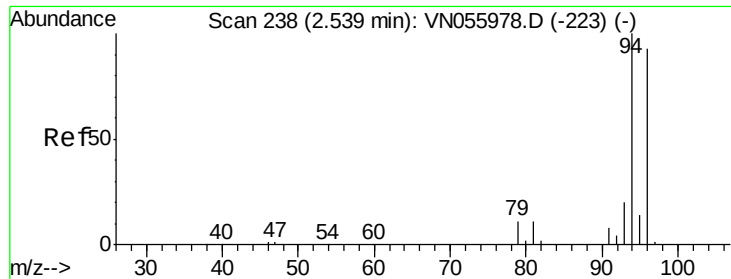
Tgt Ion: 62 Resp: 159155

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 47.784 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

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Tot Ion: 94 Resp: 95807

Ion Ratio Lower Upper

94 100

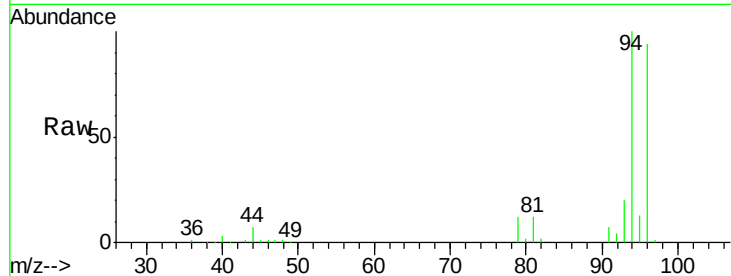
96 94.2 75.5 113.3

Manual Integrations

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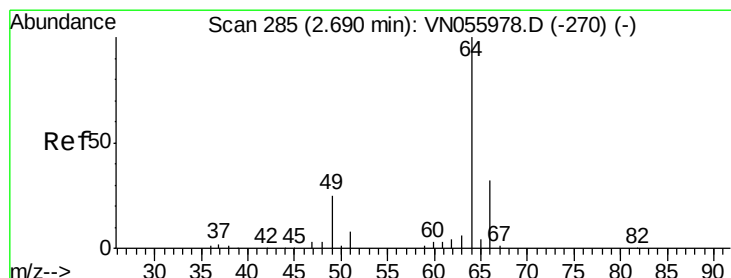
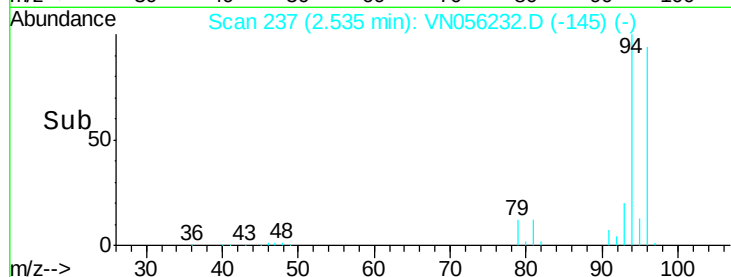
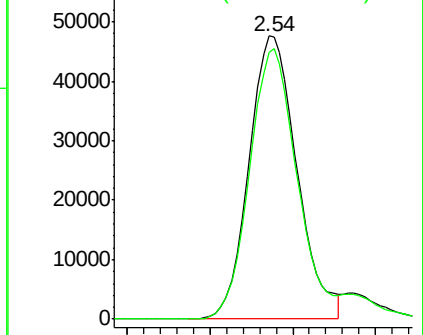
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.609 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056232.D

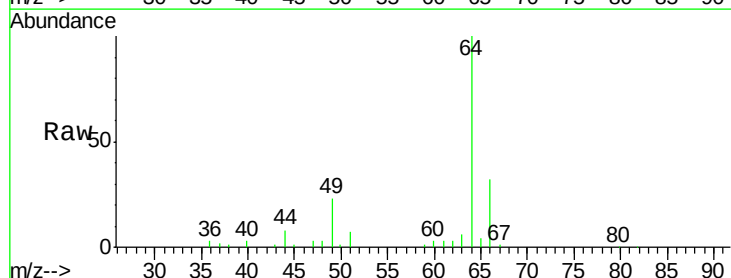
Acq: 11 Jun 2019 18:58

Tgt Ion: 64 Resp: 91294

Ion Ratio Lower Upper

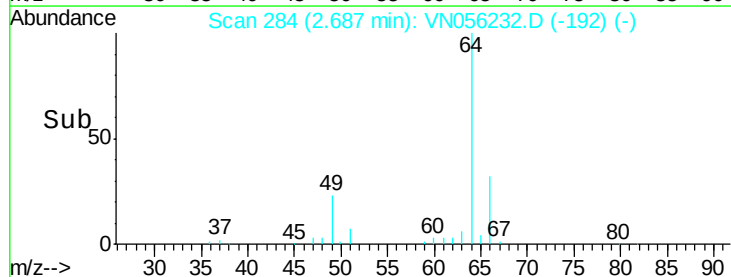
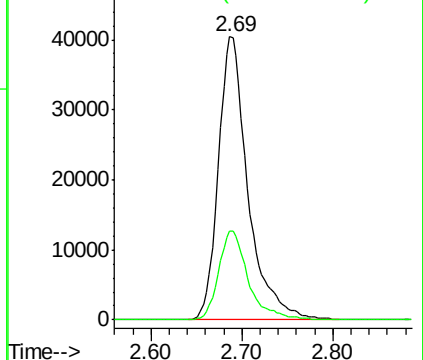
64 100

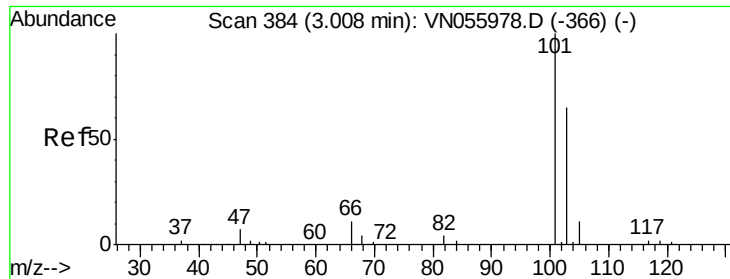
66 31.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

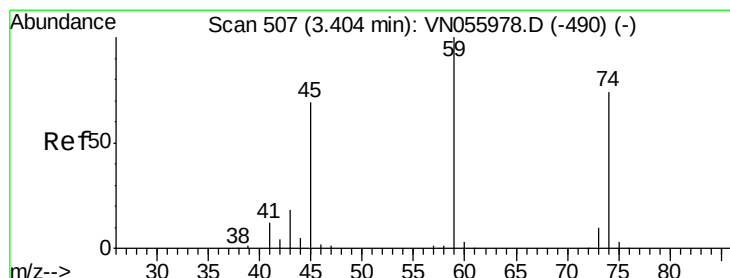
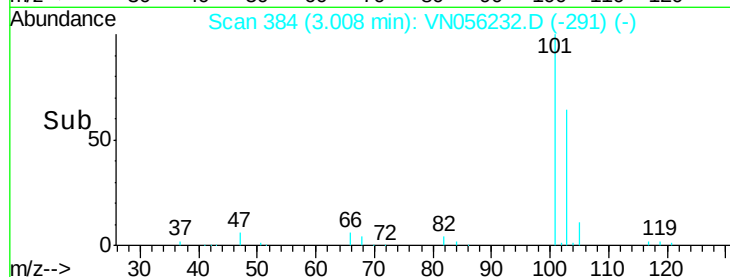
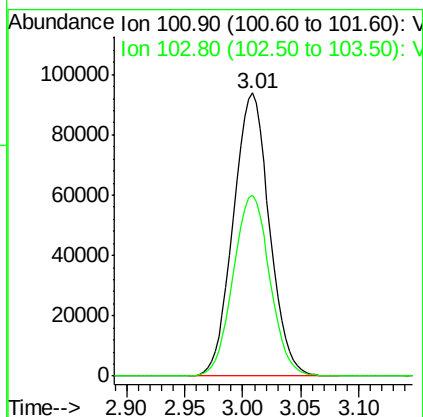
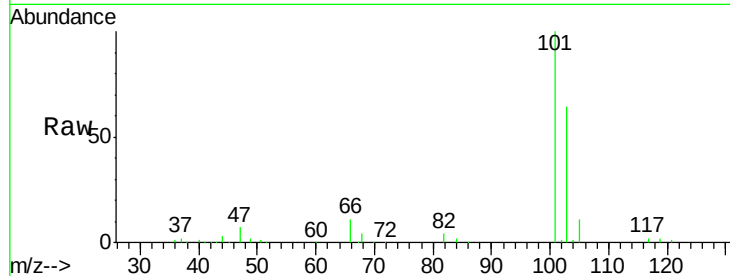
Trichlorofluoromethane
Concen: 50.103 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056232.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.2	76.8

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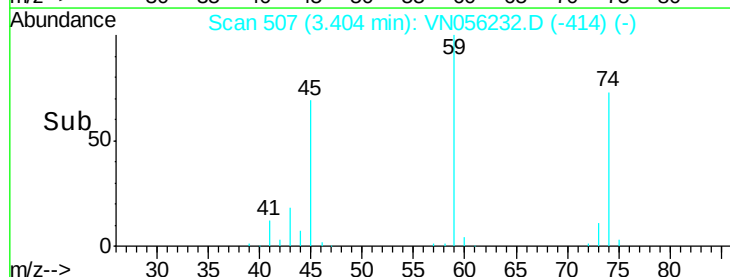
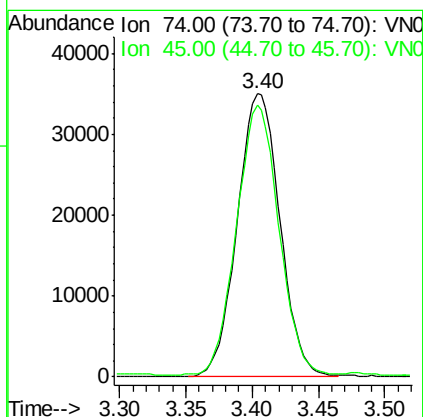
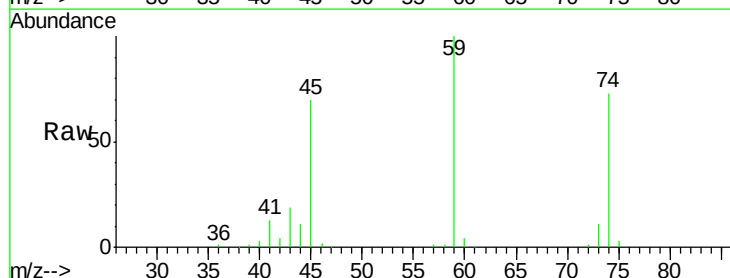
MMDadoda
6/12/2019 11:11:40 AM

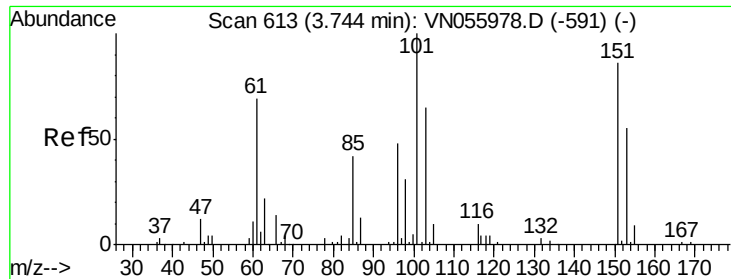


#8

Diethyl Ether
Concen: 46.962 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.715 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056232.D

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Instrument :

MSVOA_N

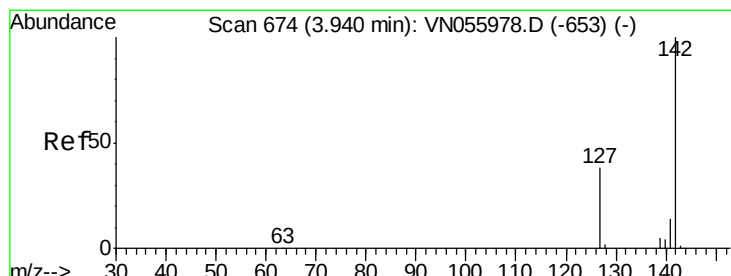
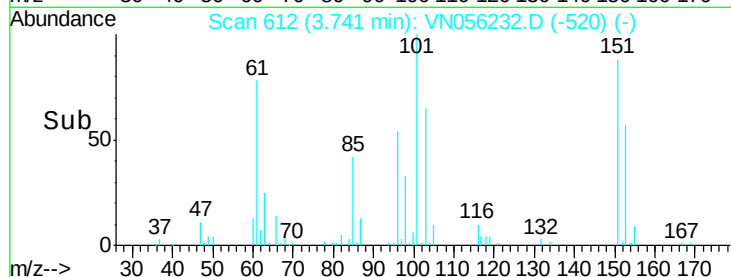
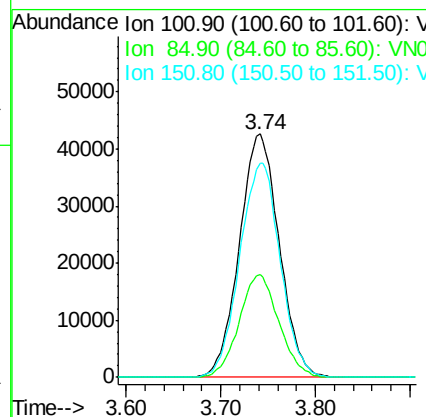
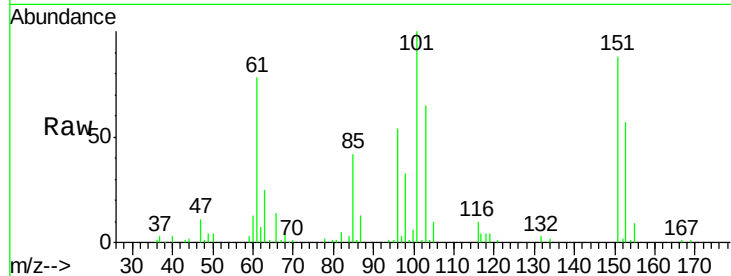
ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:	101	Resp:	124830
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.2
151	89.3	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 47.996 ug/l

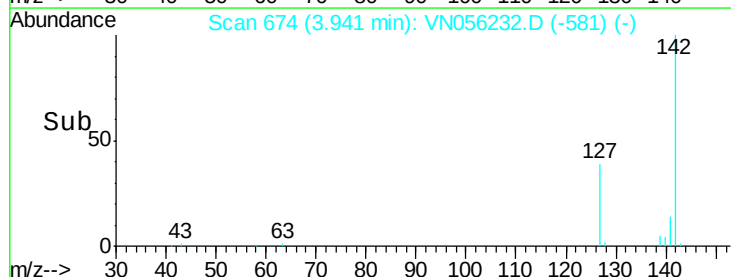
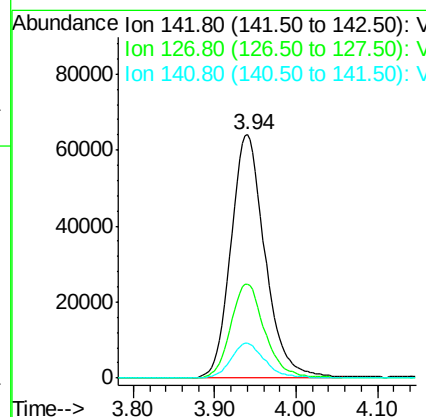
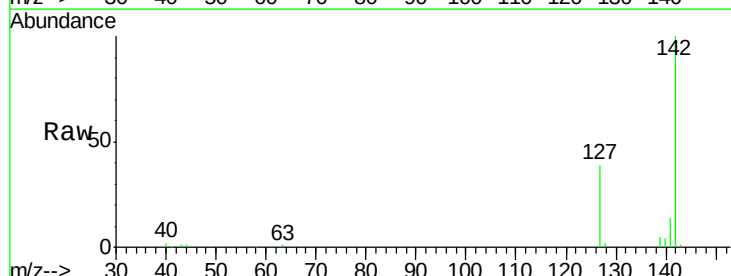
RT: 3.94 min Scan# 674

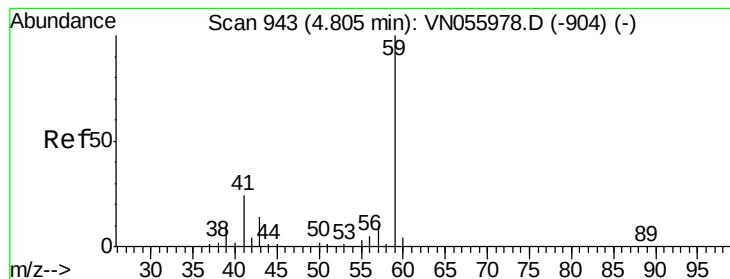
Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion:	142	Resp:	187738
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.4
141	14.2	11.4	17.0





#11

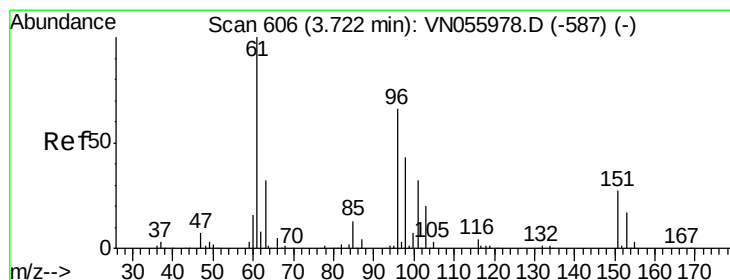
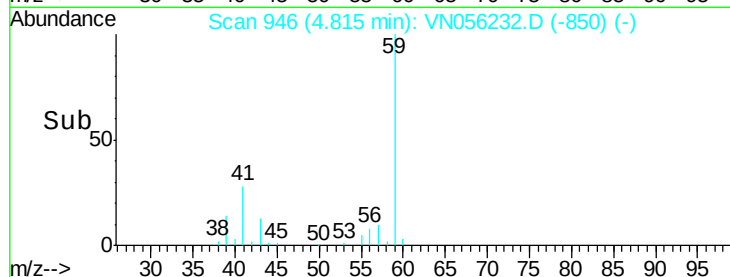
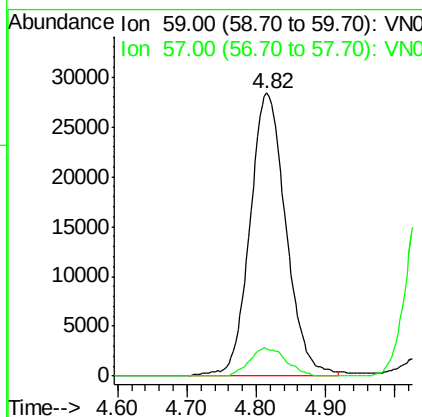
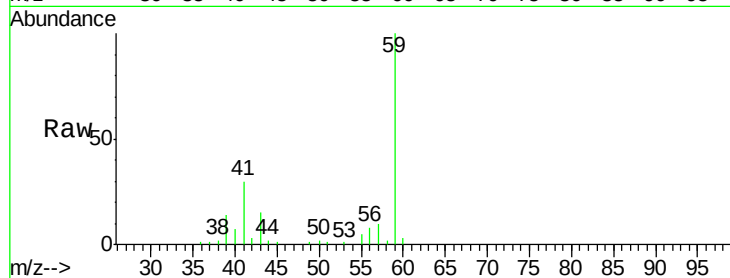
Tert butyl alcohol
Concen: 203.171 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.6

Manual Integrations
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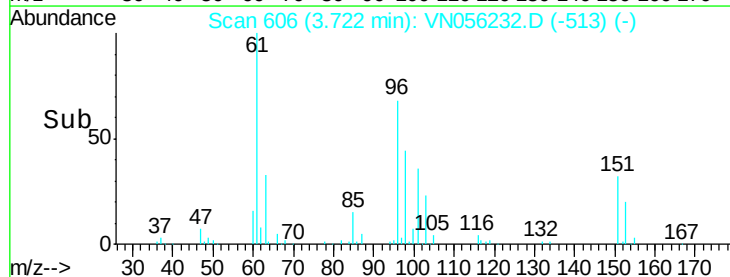
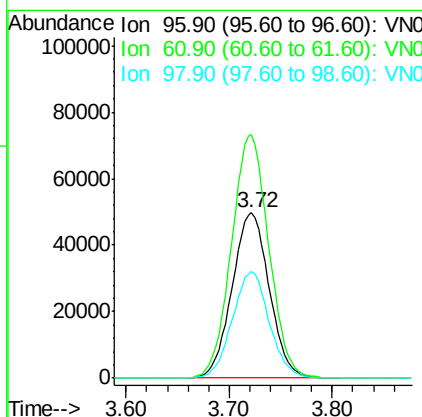
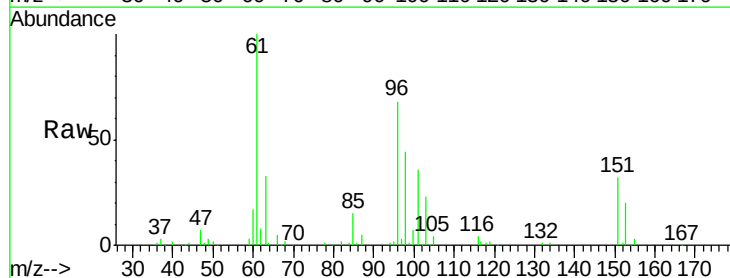
MMDadoda
6/12/2019 11:11:40 AM

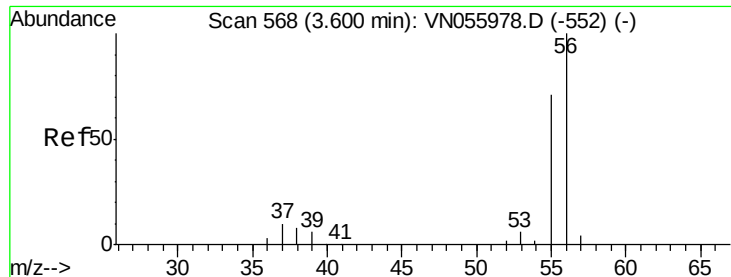


#12

1,1-Dichloroethene
Concen: 50.973 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	123.2	184.8
98	64.4	50.4	75.6





#13

Acrolein

Concen: 356.099 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 56 Resp: 51800

Ion Ratio Lower Upper

56 100

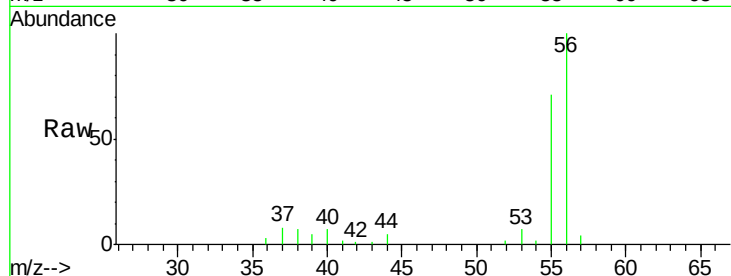
55 70.2 55.4 83.2

Manual Integrations

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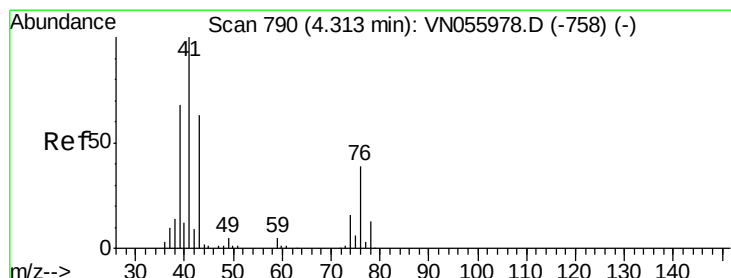
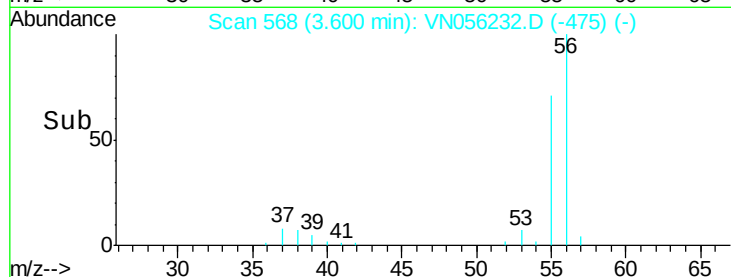
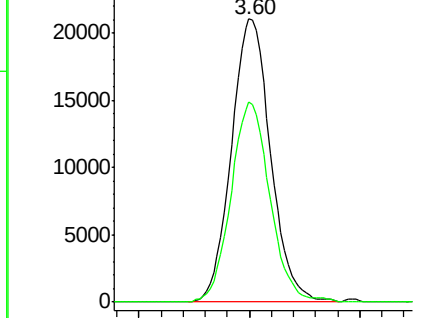
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.541 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

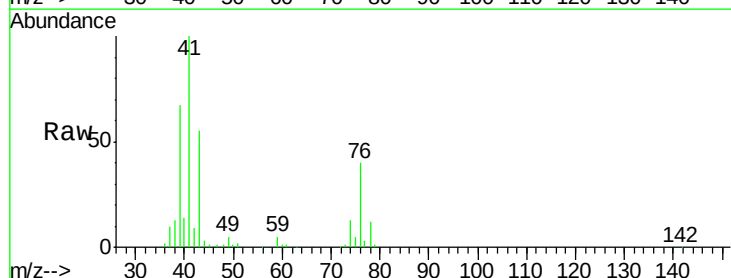
Tgt Ion: 41 Resp: 191694

Ion Ratio Lower Upper

41 100

39 61.4 50.0 75.0

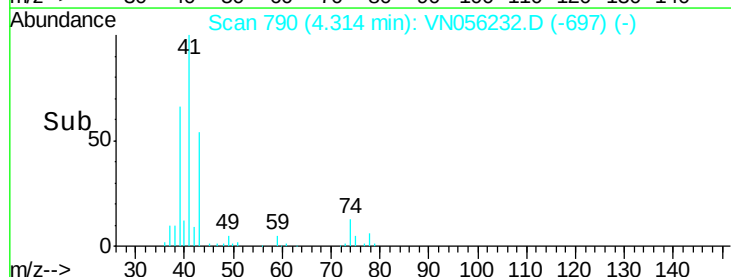
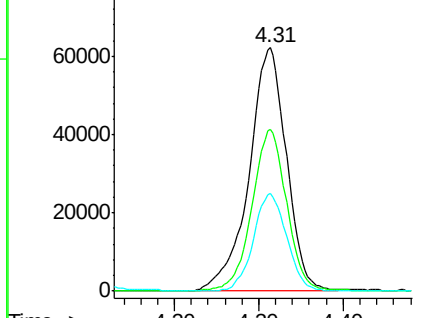
76 35.5 28.2 42.2

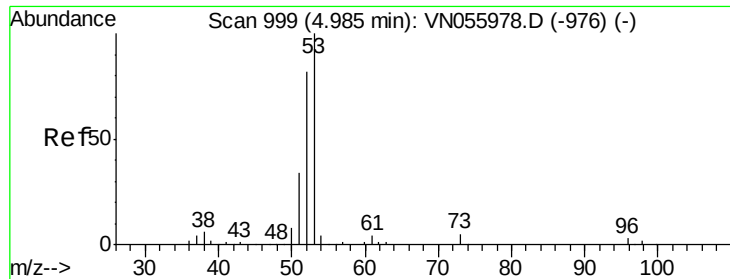


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 277.592 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

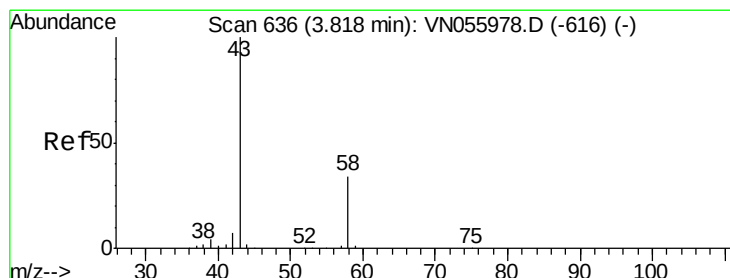
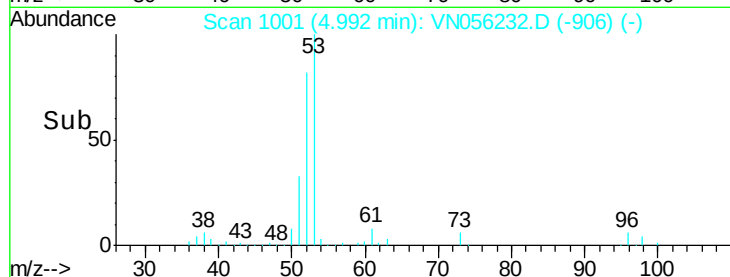
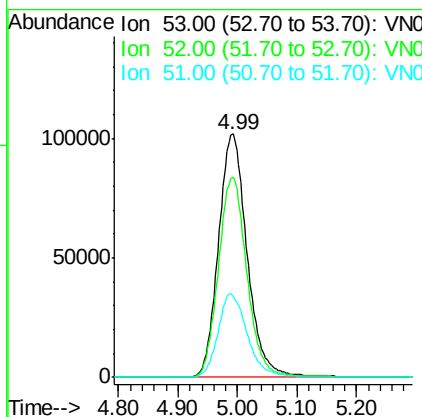
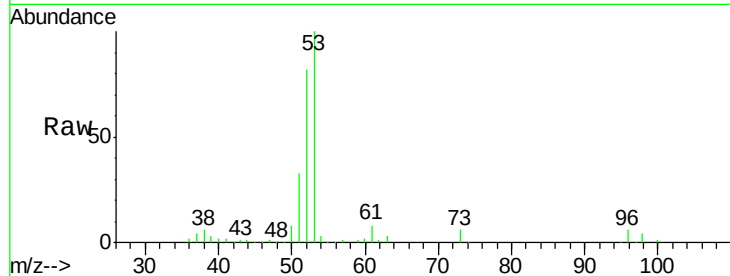
ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:	53	Resp:	340824
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.8	98.8
51	35.1	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 190.099 ug/l

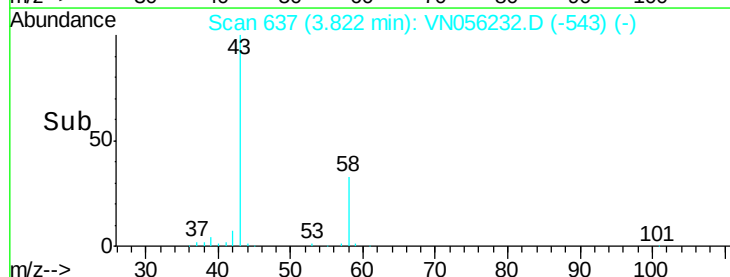
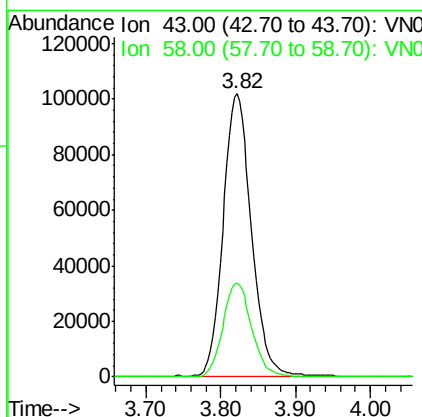
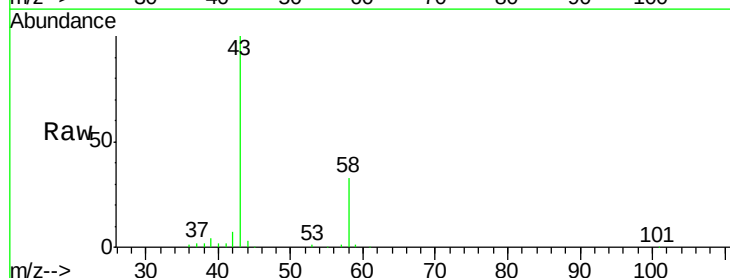
RT: 3.82 min Scan# 637

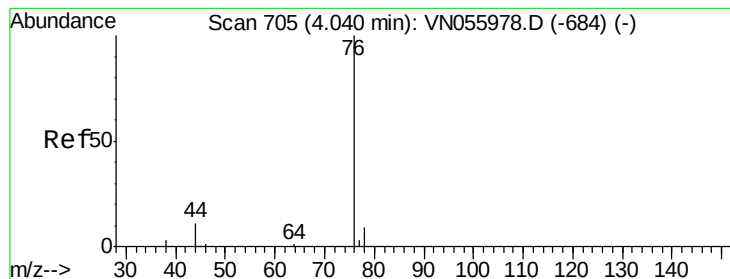
Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion:	43	Resp:	263513
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.6	39.8





#17

Carbon Disulfide

Concen: 52.515 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampled :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 76 Resp: 308124

Ion Ratio Lower Upper

76 100

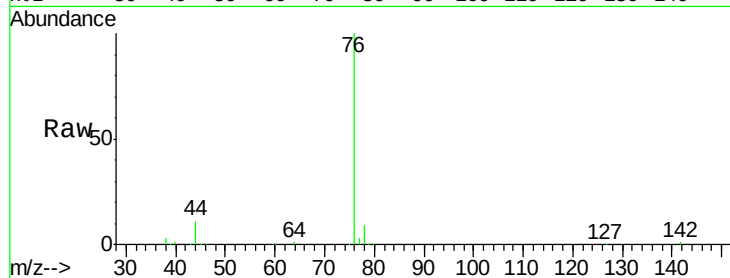
78 8.9 7.4 11.2

Manual Integrations

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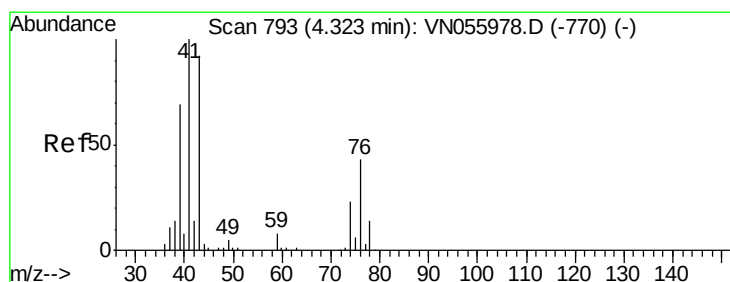
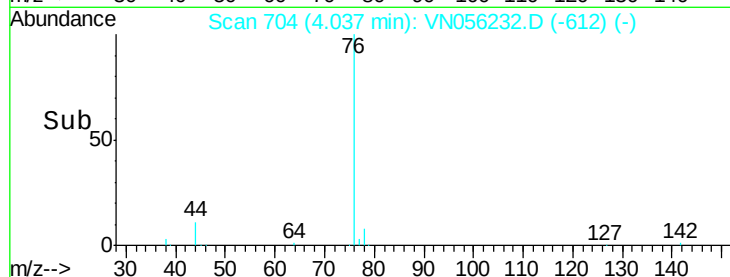
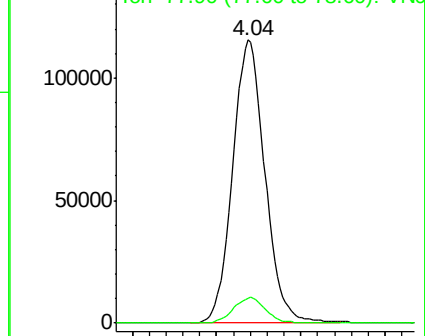
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 49.040 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056232.D

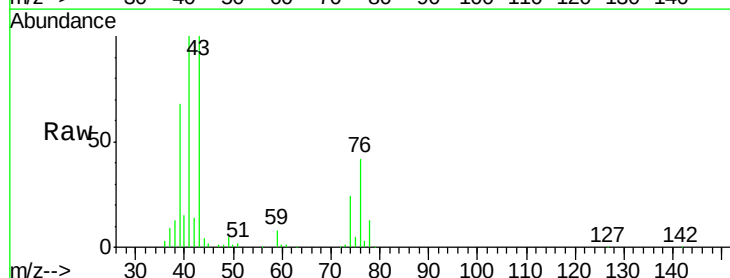
Acq: 11 Jun 2019 18:58

Tgt Ion: 43 Resp: 133561

Ion Ratio Lower Upper

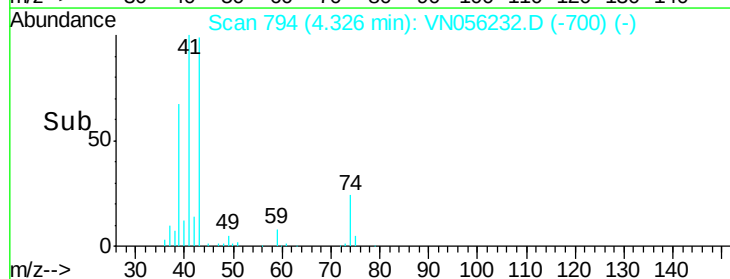
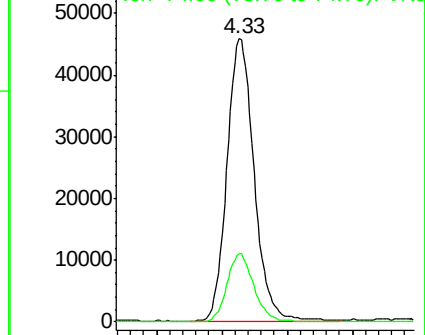
43 100

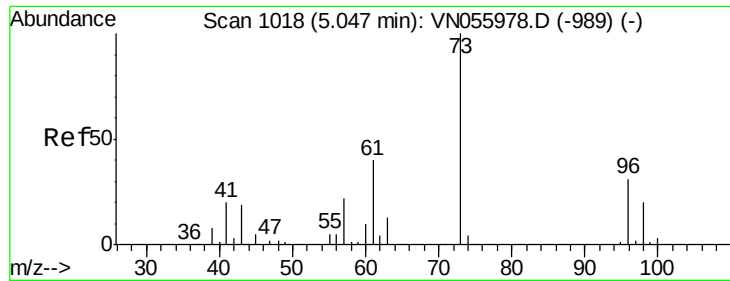
74 23.4 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





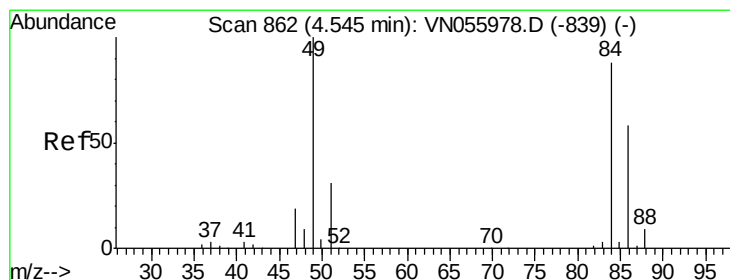
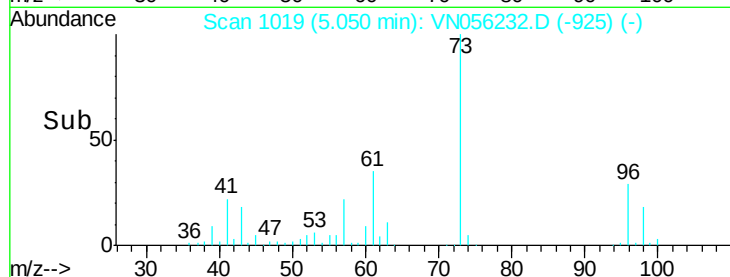
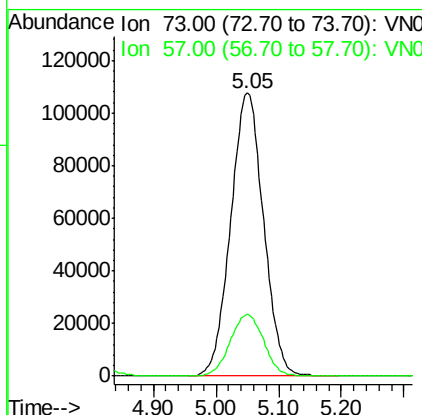
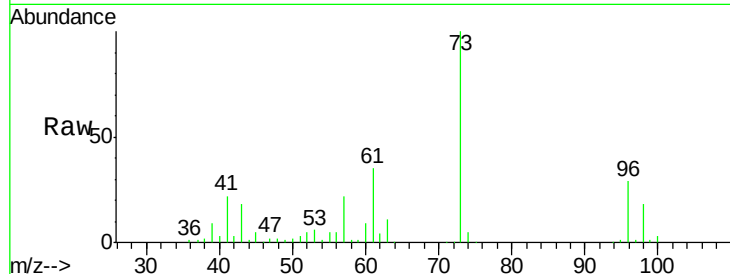
#19
Methyl tert-butyl Ether
Concen: 50.146 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 73 Resp: 391691
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8

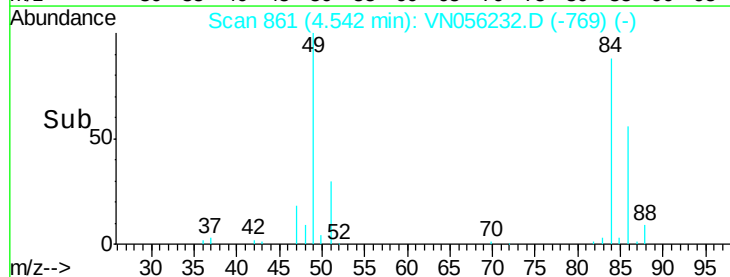
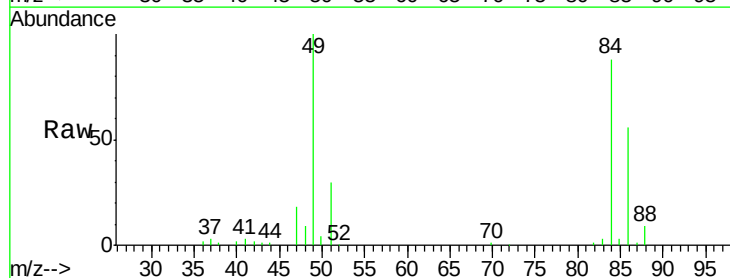
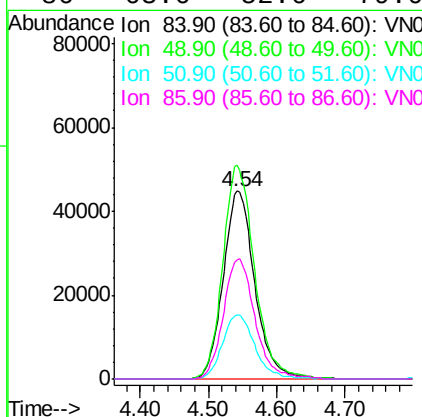
Manual Integrations
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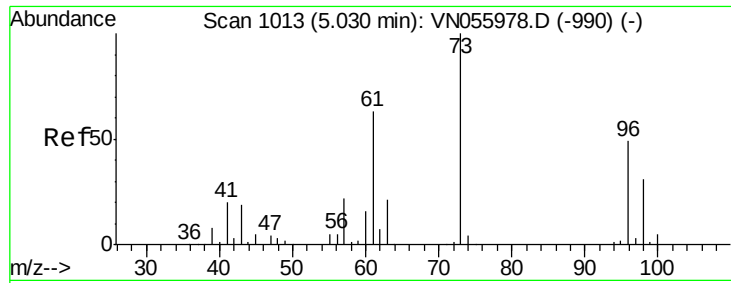
MMDadoda
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#20
Methylene Chloride
Concen: 50.557 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 84 Resp: 144384
Ion Ratio Lower Upper
84 100
49 113.8 93.5 140.3
51 34.1 28.6 43.0
86 63.6 52.6 79.0





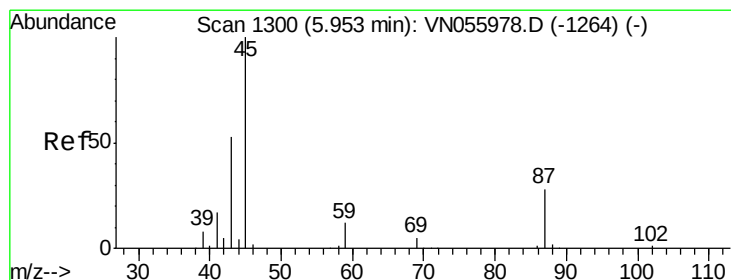
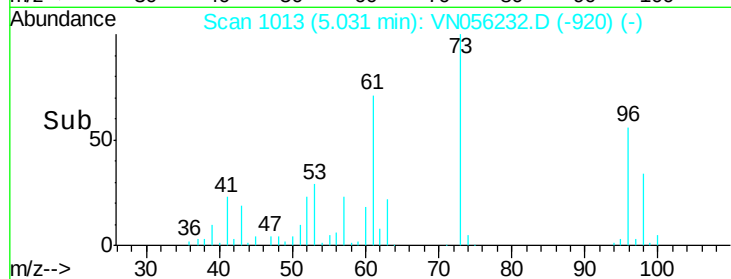
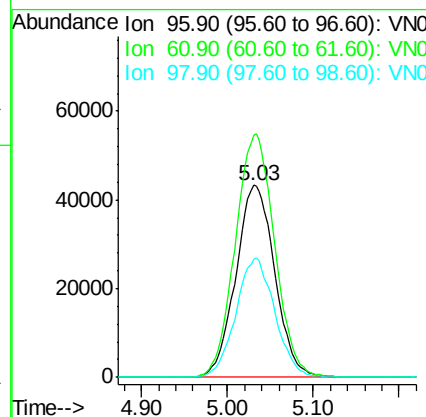
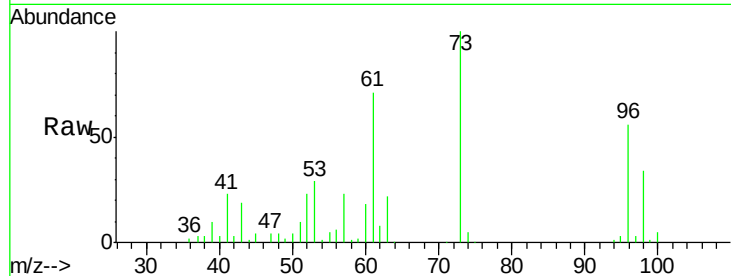
#21
trans-1,2-Dichloroethene
Concen: 51.856 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.2	107.8	161.8
98	61.4	49.8	74.8

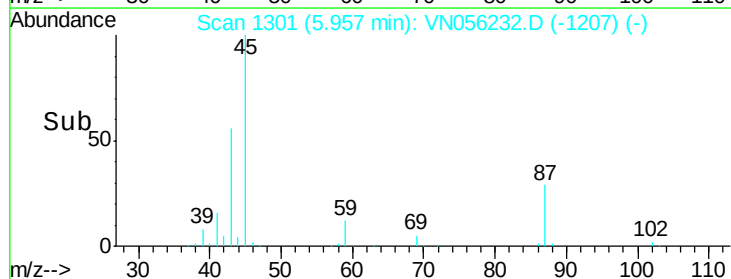
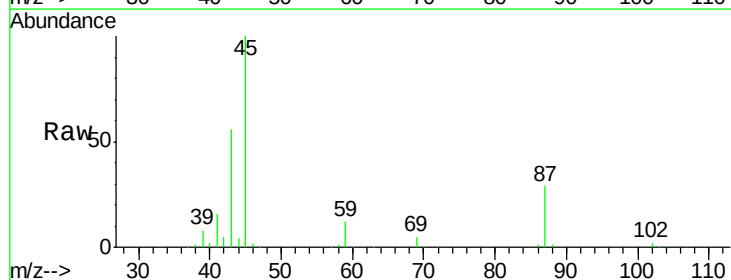
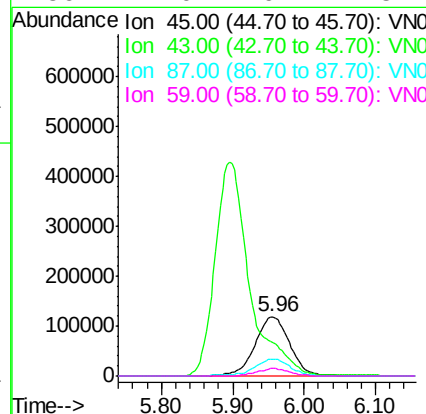
Manual Integrations
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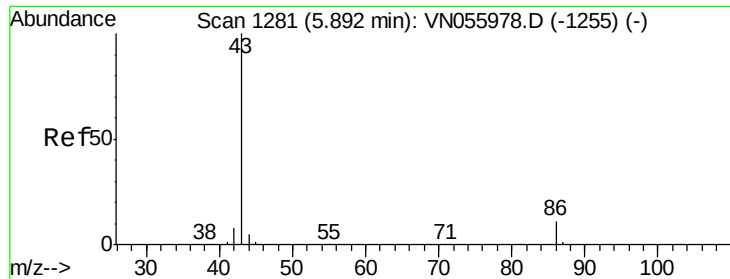
MMDadoda
6/12/2019 11:11:40 AM



#22
Diisopropyl ether
Concen: 50.167 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.3	45.0	67.6
87	28.5	22.2	33.4
59	12.0	9.1	13.7





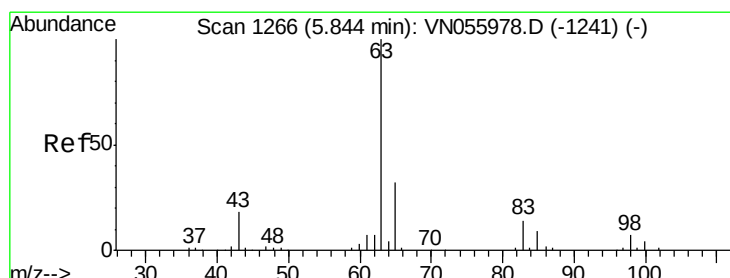
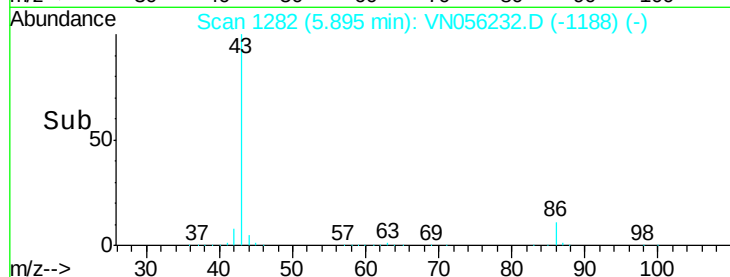
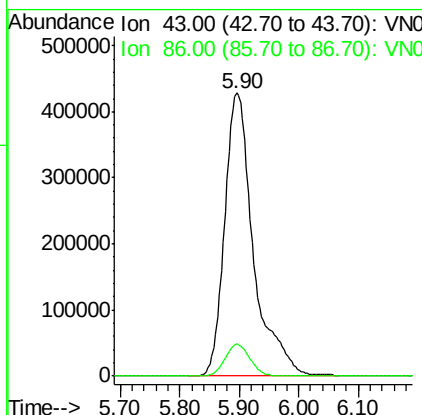
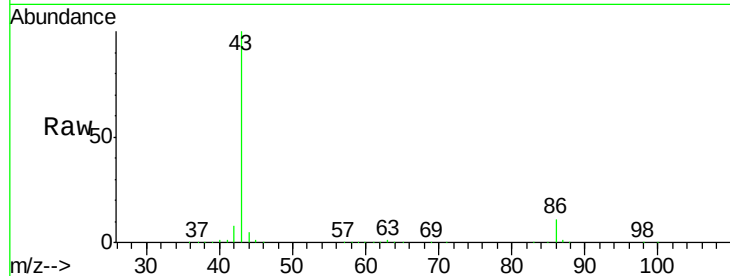
#23
 Vinyl Acetate
 Concen: 229.270 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 43 Resp: 1444165
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.6 13.0

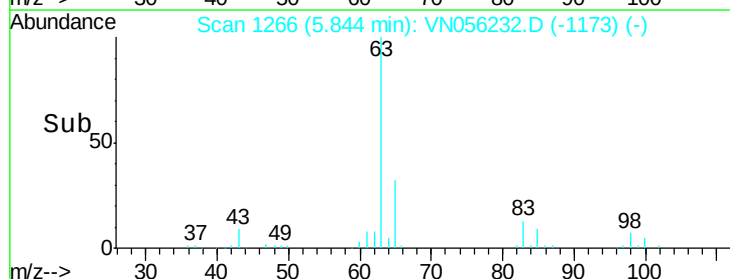
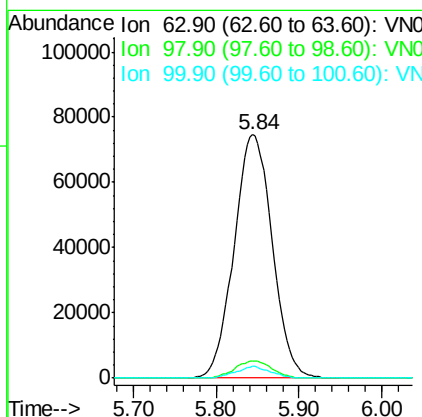
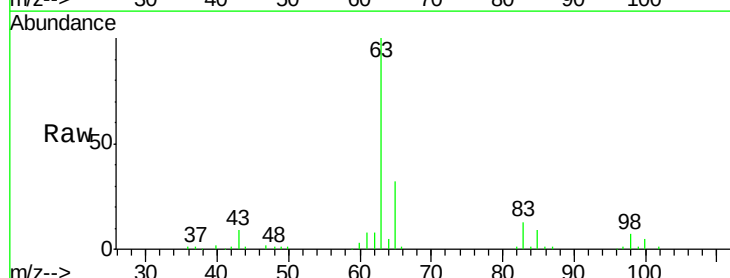
Manual Integrations
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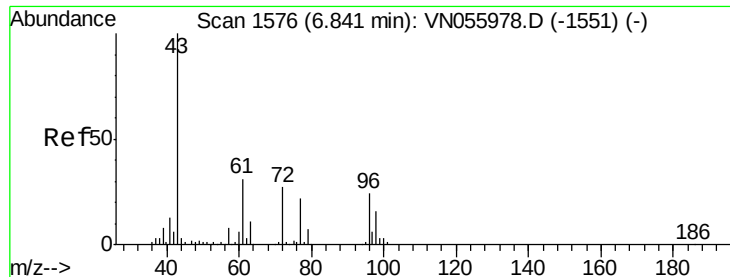
MMDadoda
 6/12/2019 11:11:40 AM



#24
 1,1-Dichloroethane
 Concen: 51.803 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion: 63 Resp: 239017
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.1
 100 4.8 2.2 6.6





#25

2-Butanone

Concen: 245.766 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 43 Resp: 430435

Ion Ratio Lower Upper

43 100

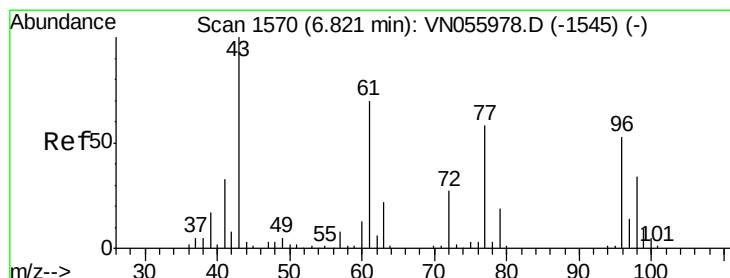
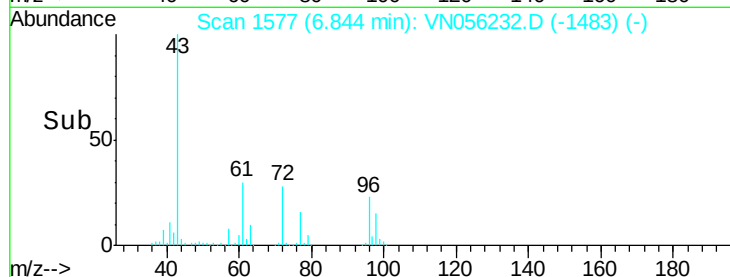
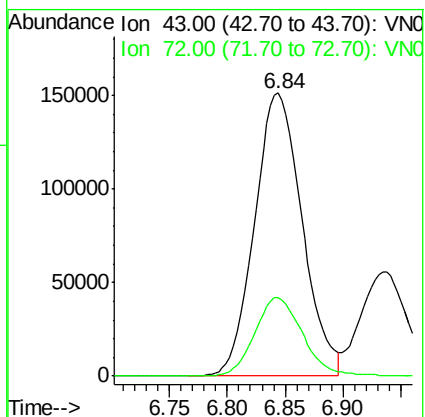
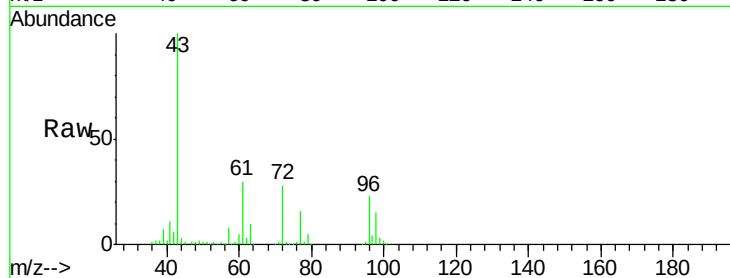
72 27.8 21.9 32.9

Manual Integrations

APPROVED

MMDadoda

6/12/2019 11:11:40 AM



#26

2,2-Dichloropropane

Concen: 36.885 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056232.D

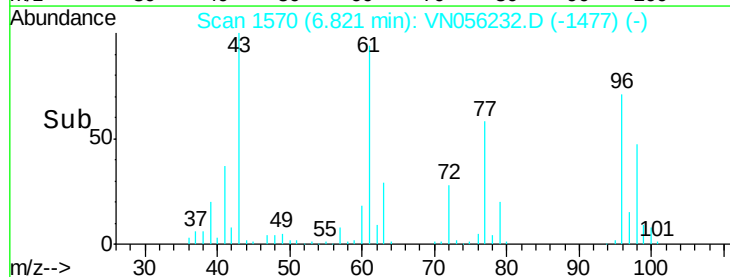
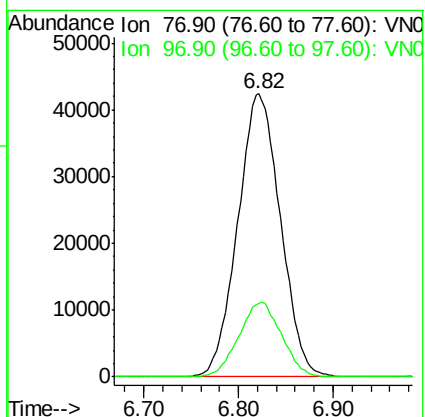
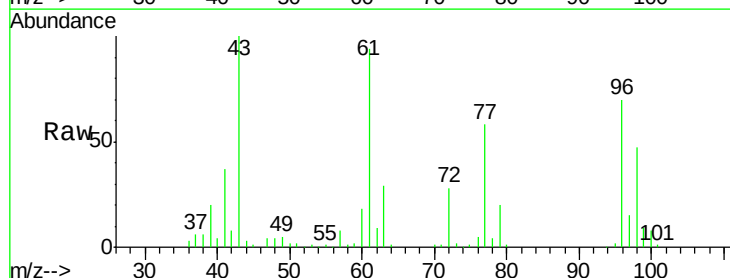
Acq: 11 Jun 2019 18:58

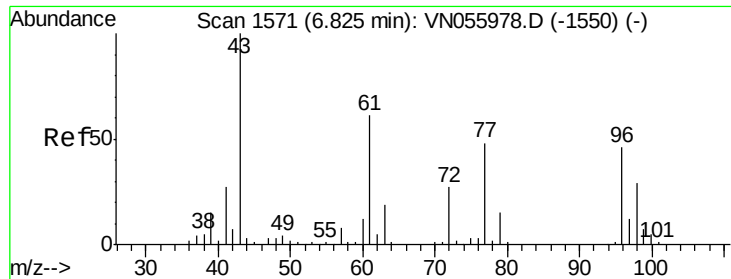
Tgt Ion: 77 Resp: 132797

Ion Ratio Lower Upper

77 100

97 26.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.382 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

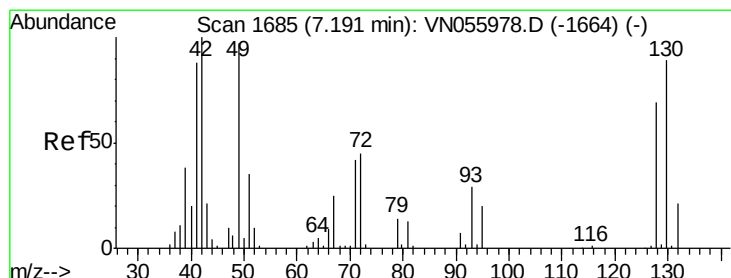
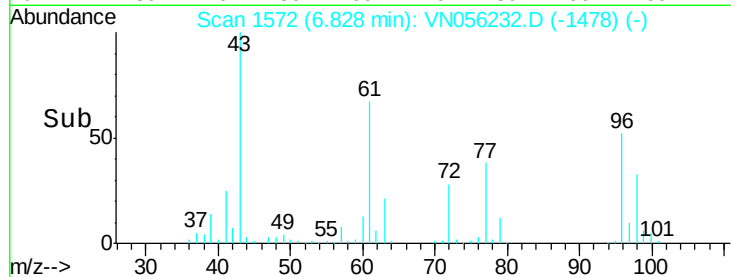
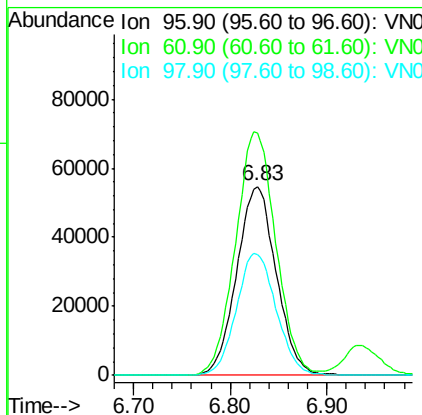
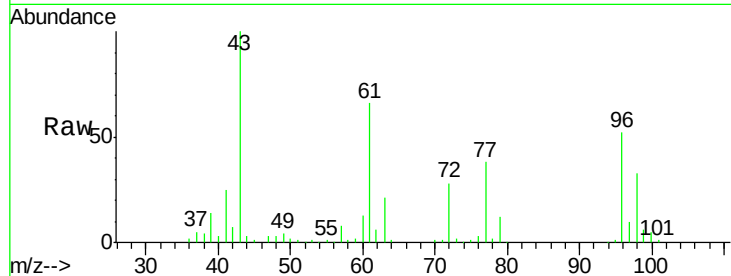
ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:	96	Resp:	155494
Ion Ratio	Lower	Upper	
96	100		
61	131.7	0.0	275.8
98	65.0	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 54.614 ug/l

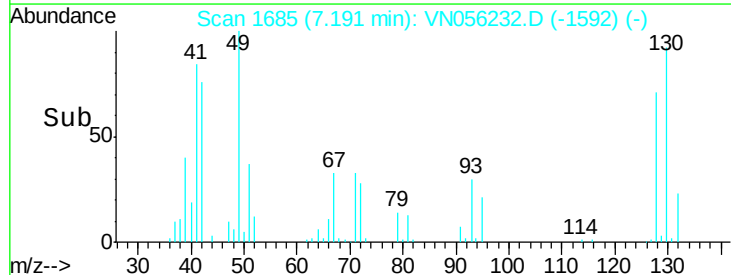
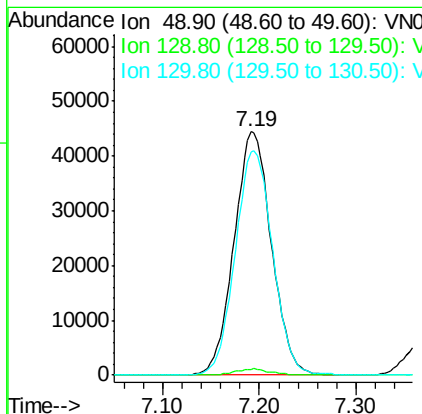
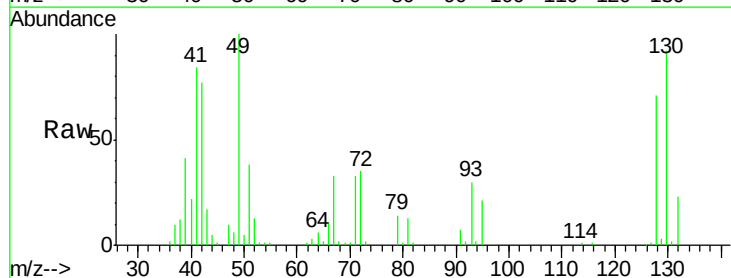
RT: 7.19 min Scan# 1685

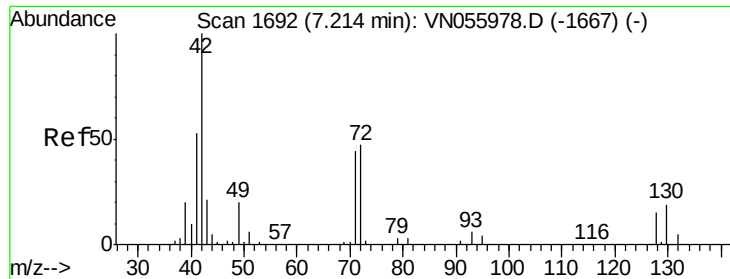
Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion:	49	Resp:	119165
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.4
130	92.4	71.2	106.8





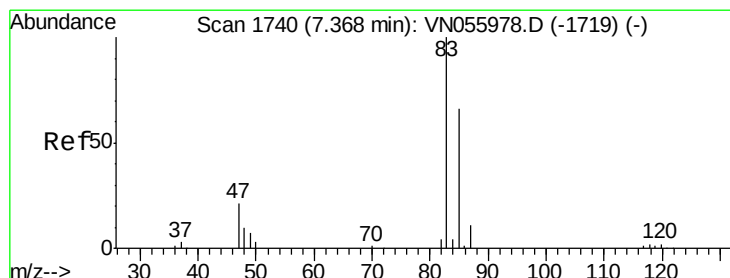
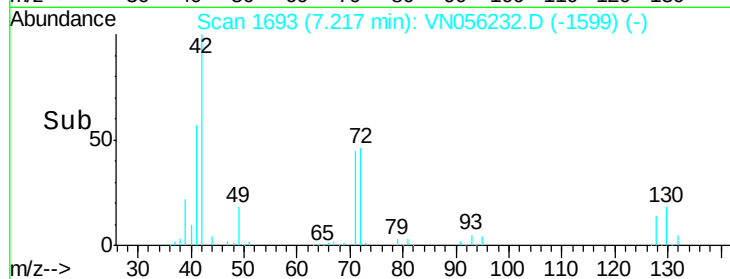
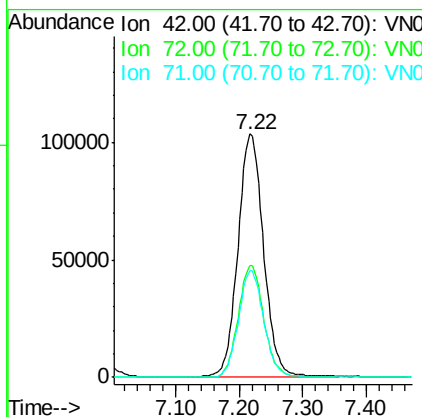
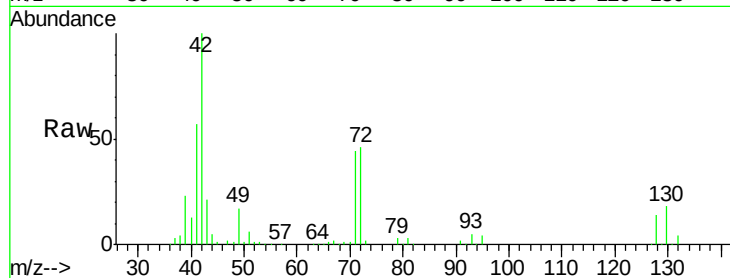
#29
Tetrahydrofuran
Concen: 269.061 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.9	53.9
71	43.0	34.0	51.0

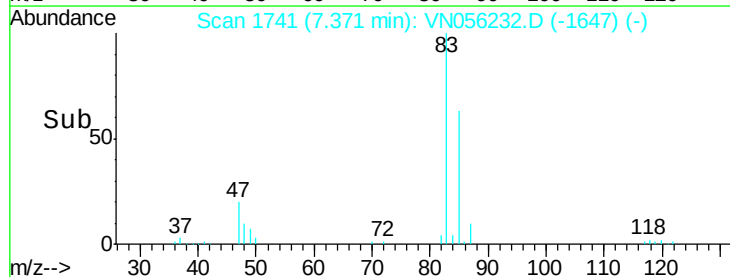
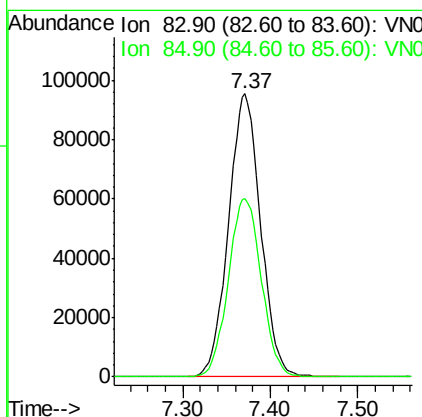
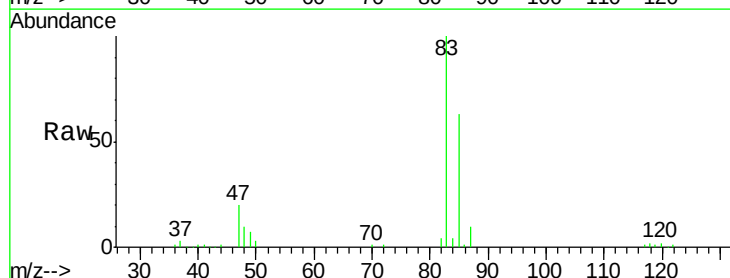
Manual Integrations
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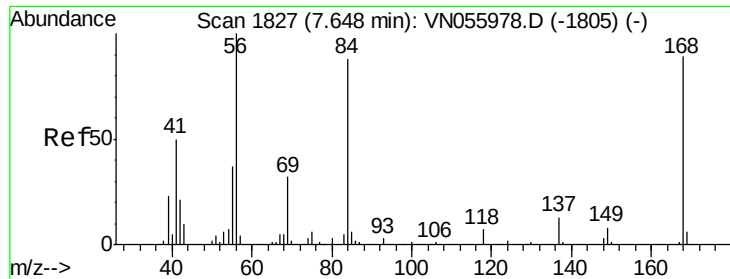
MMDadoda
6/12/2019 11:11:40 AM



#30
Chloroform
Concen: 52.374 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.8





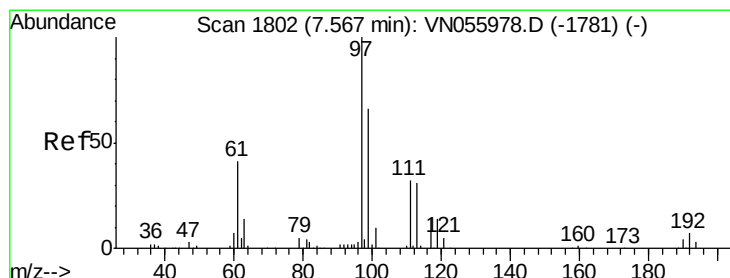
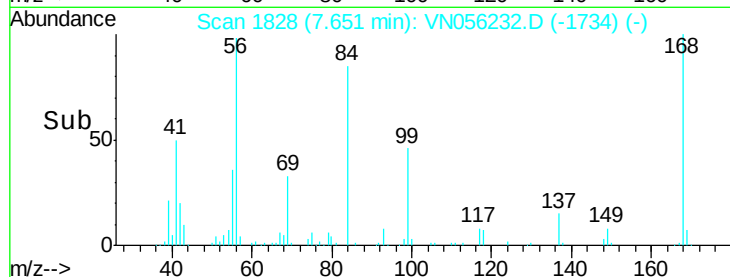
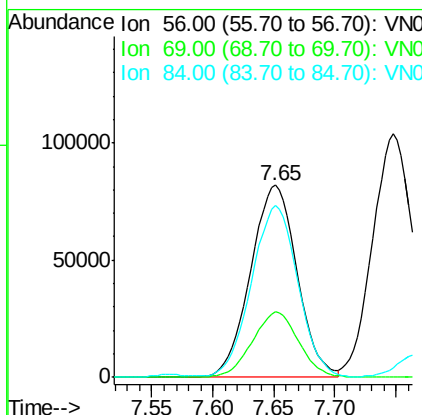
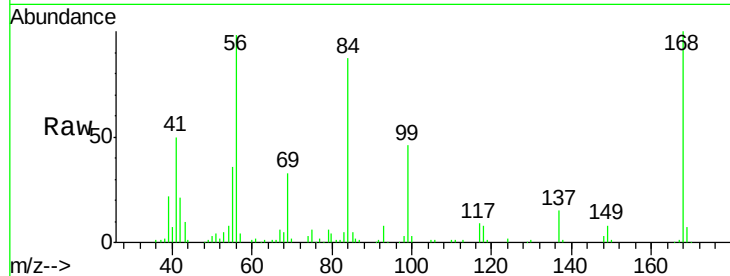
#31
Cyclohexane
Concen: 47.180 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	25.6	38.4
84	88.3	67.4	101.0

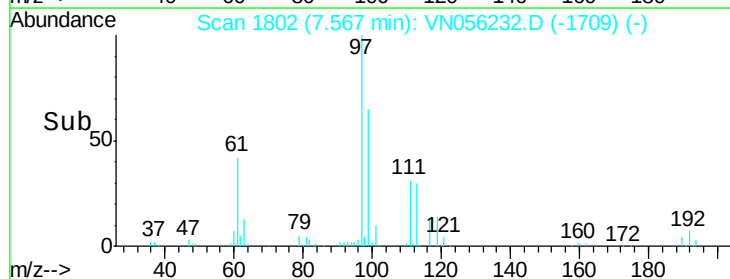
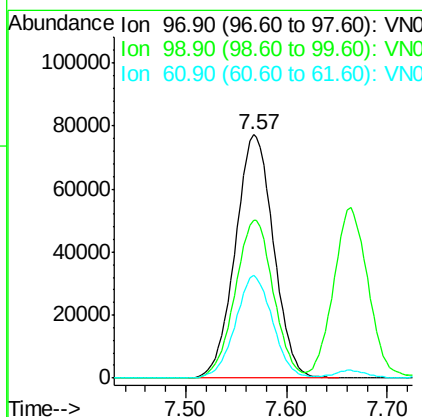
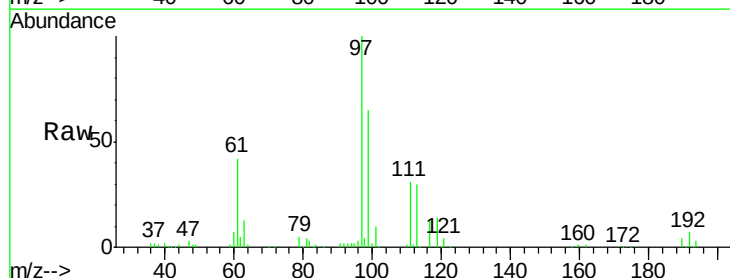
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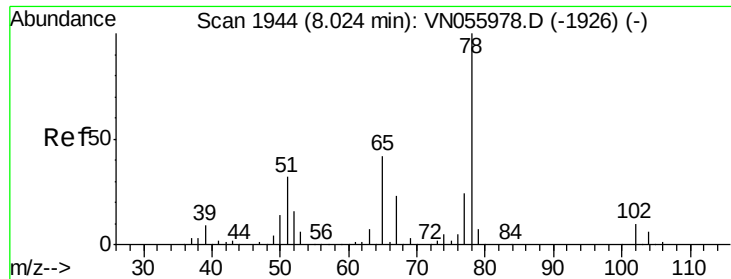
MMDadoda
6/12/2019 11:11:40 AM



#32
1,1,1-Trichloroethane
Concen: 52.361 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	41.0	32.9	49.3





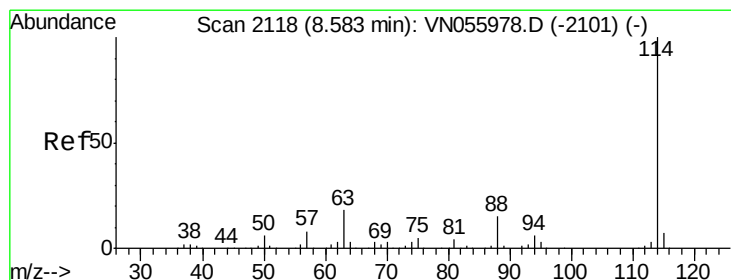
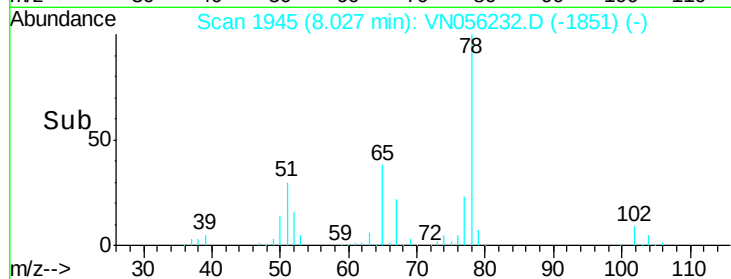
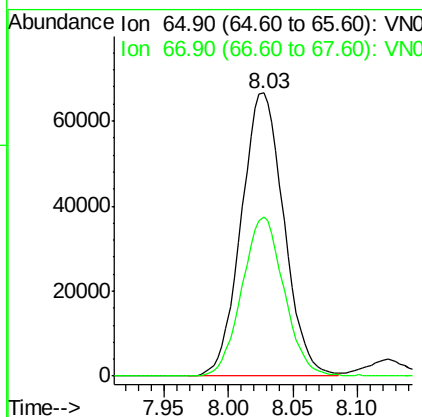
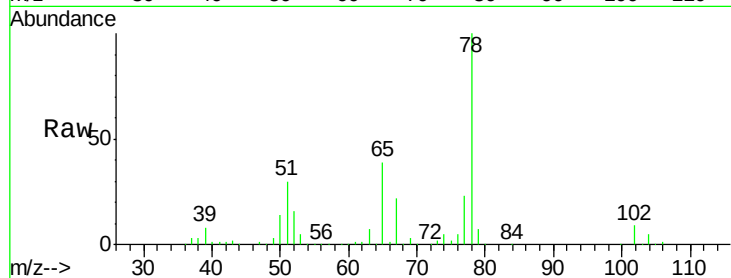
#33
 1,2-Dichloroethane-d4
 Concen: 53.095 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.4	0.0	109.2	

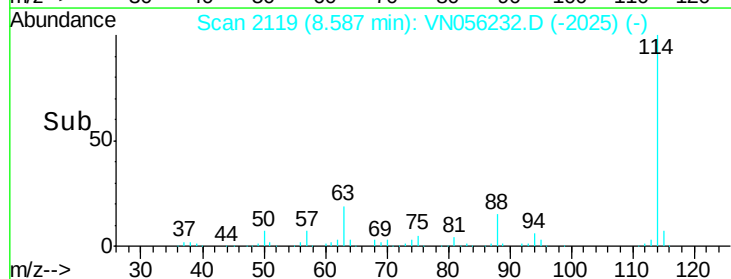
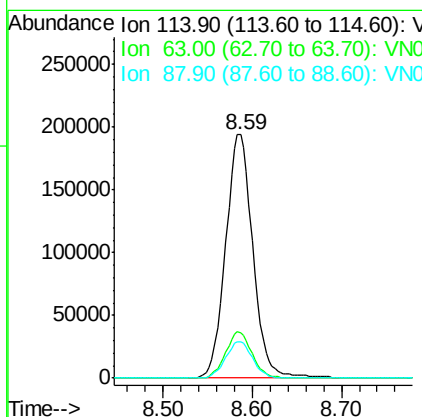
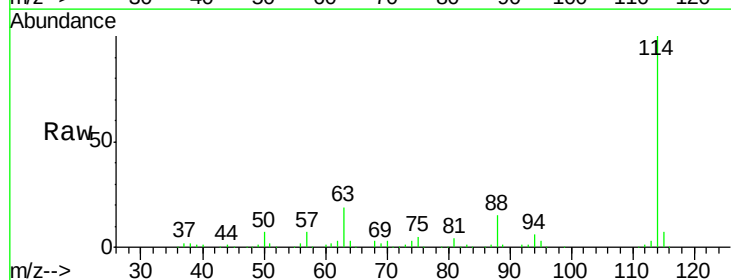
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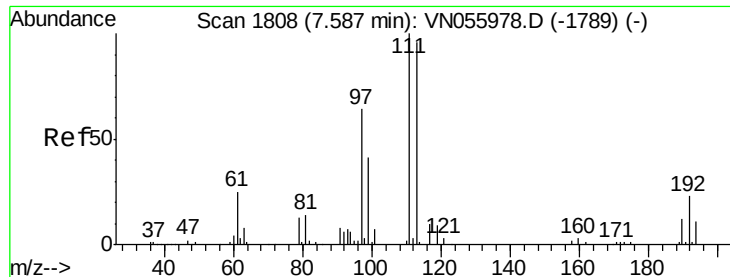
MMDadoda
 6/12/2019 11:11:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.6	0.0	39.2	
88	15.0	0.0	31.0	





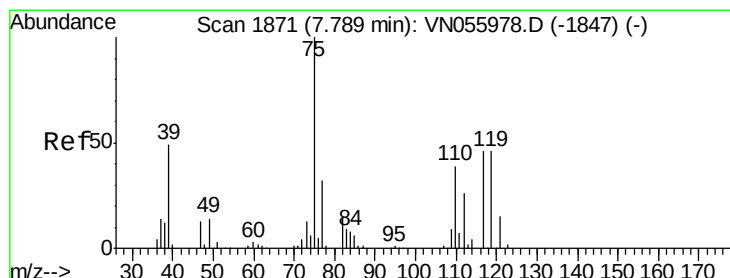
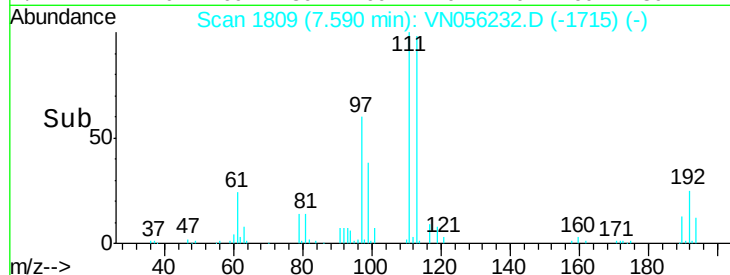
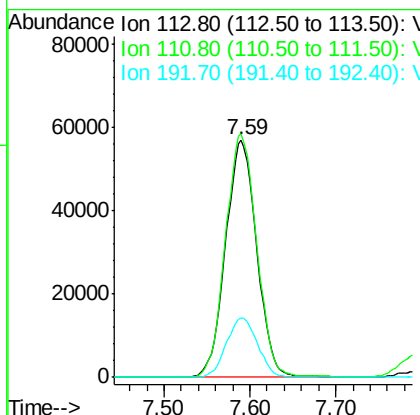
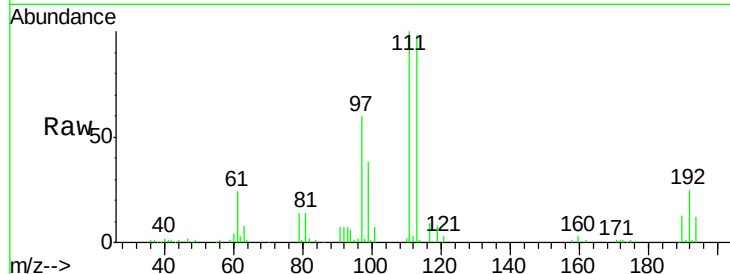
#35
 Dibromofluoromethane
 Concen: 56.938 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.3	81.9	122.9	
192	25.0	19.5	29.3	

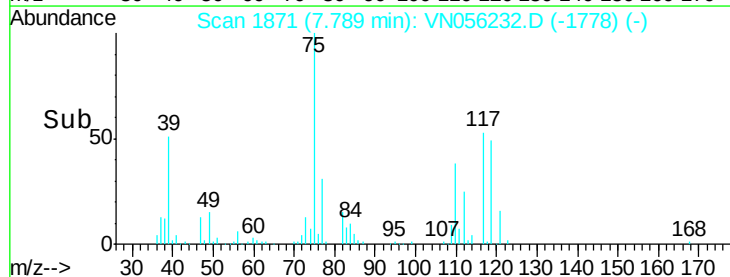
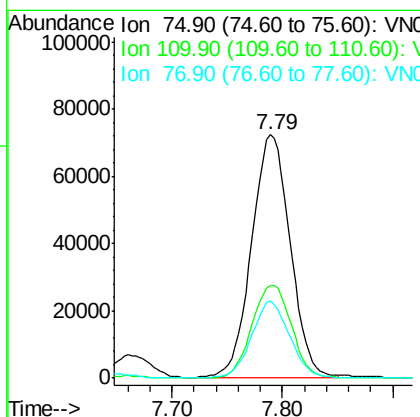
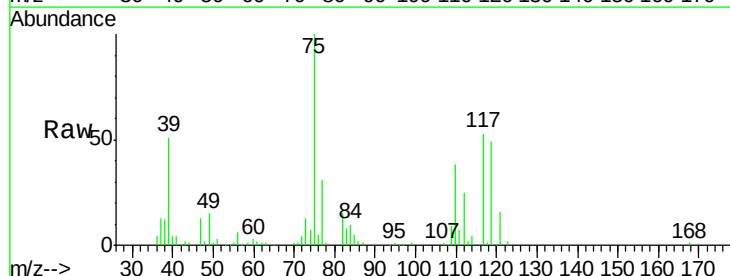
Manual Integrations
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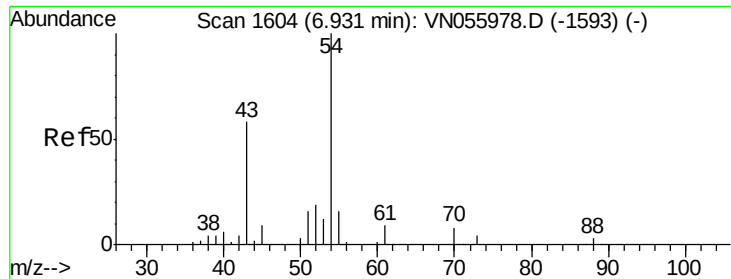
MMDadoda
 6/12/2019 11:11:40 AM



#36
 1,1-Dichloropropene
 Concen: 49.580 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.4	19.0	57.0	
77	31.4	25.1	37.7	





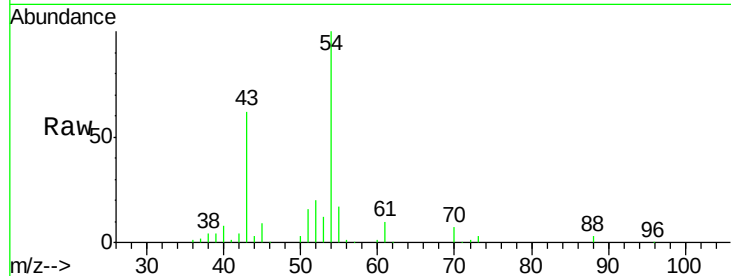
#37
Ethyl Acetate
Concen: 49.908 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.2	18.2
70	10.7	8.9	13.3

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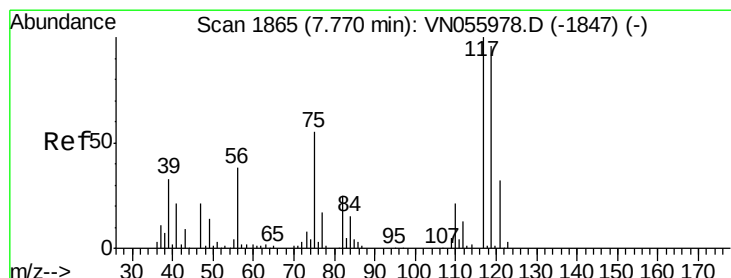
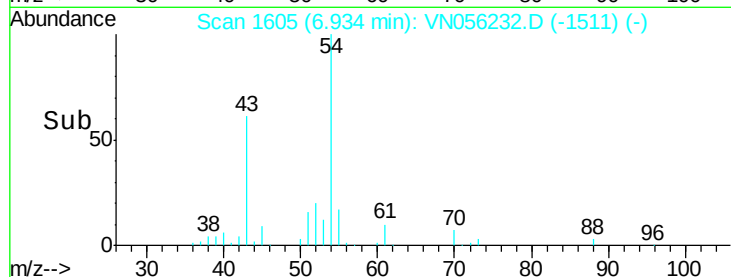
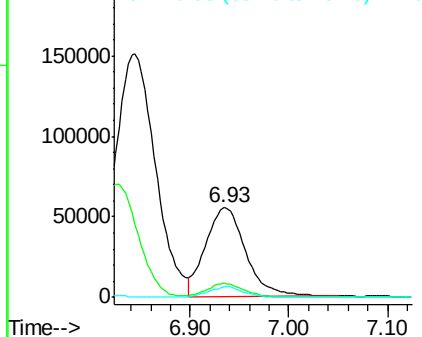


Abundance

Ion 43.00 (42.70 to 43.70): VN055978.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-1593) (-)

Ion 70.00 (69.70 to 70.70): VN055978.D (-1593) (-)



#38
Carbon Tetrachloride
Concen: 53.982 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

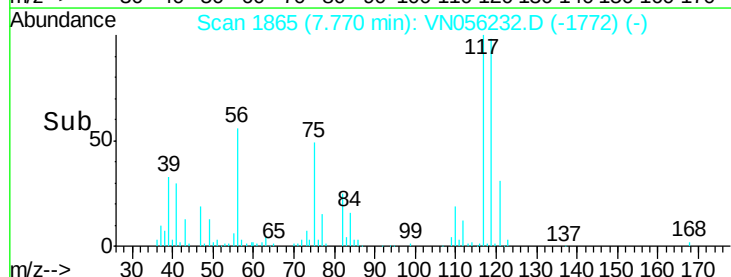
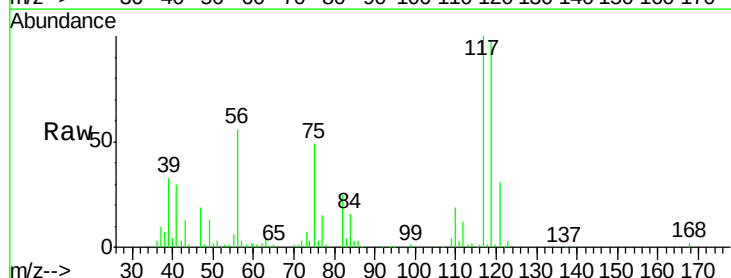
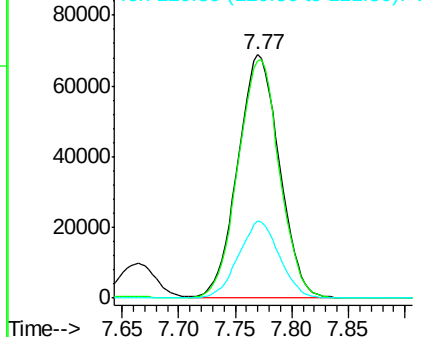
Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	79.0	118.6
121	31.6	24.7	37.1

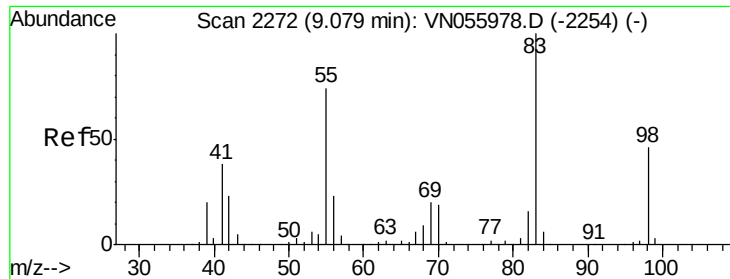
Abundance

Ion 116.80 (116.50 to 117.50): VN055978.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055978.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055978.D (-1847) (-)





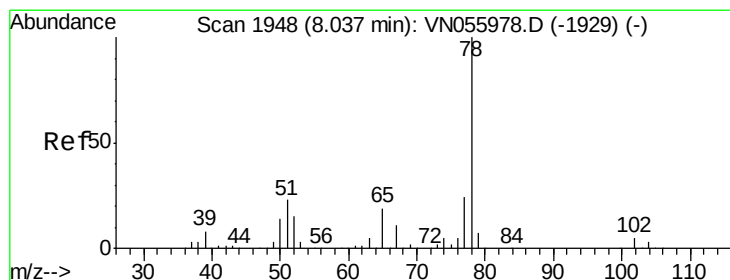
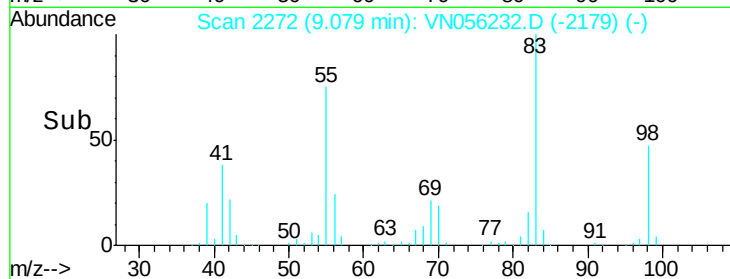
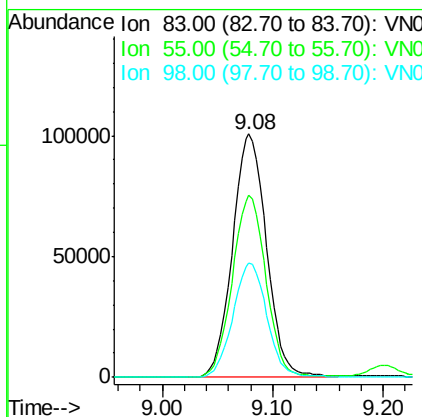
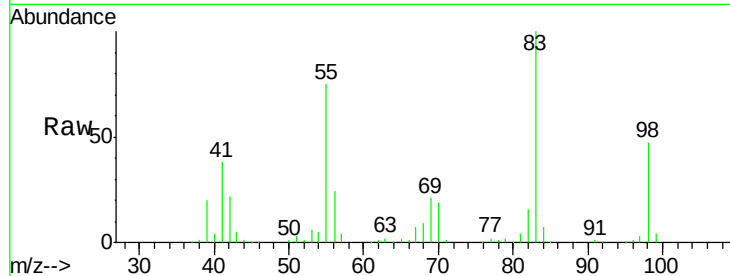
#39
Methylvlcyclohexane
Concen: 48.963 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.8	59.3	88.9	
98	47.1	36.6	54.8	

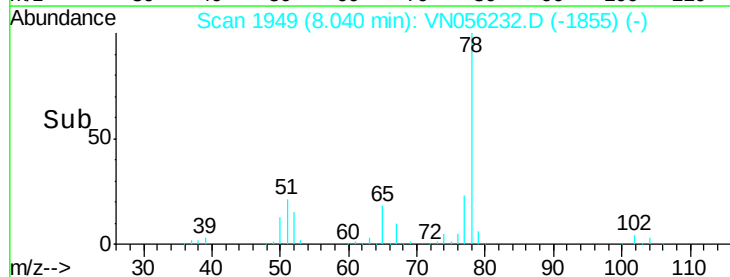
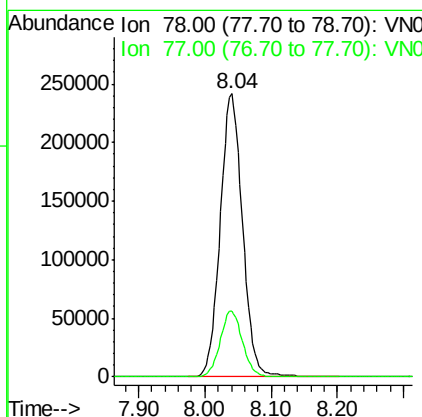
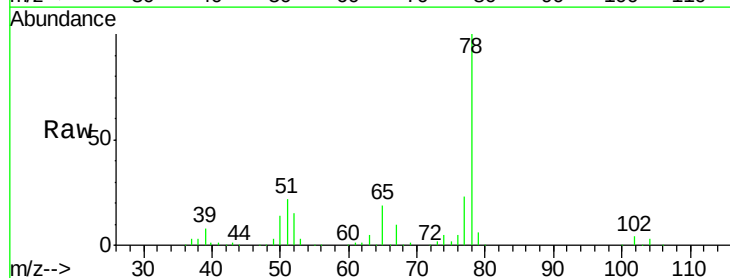
Manual Integrations
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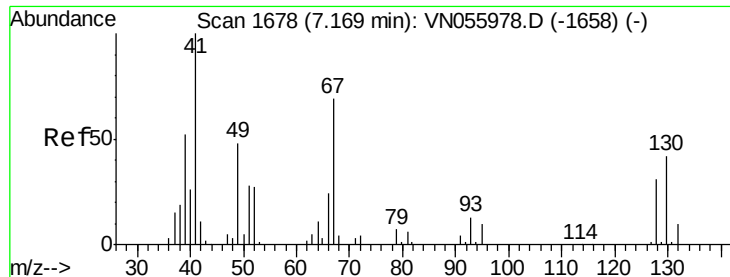
MMDadoda
6/12/2019 11:11:40 AM



#40
Benzene
Concen: 52.723 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.8	28.2	





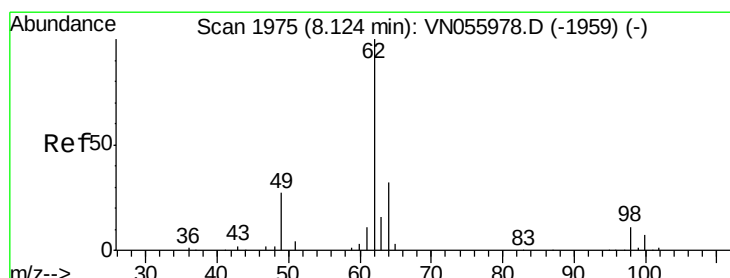
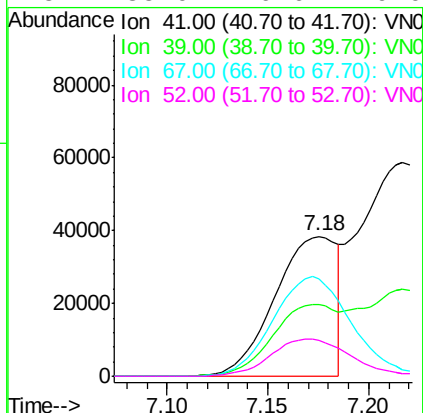
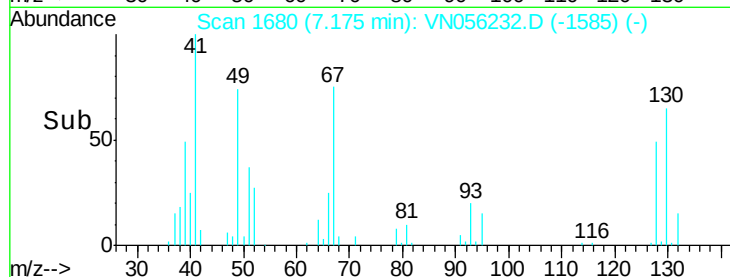
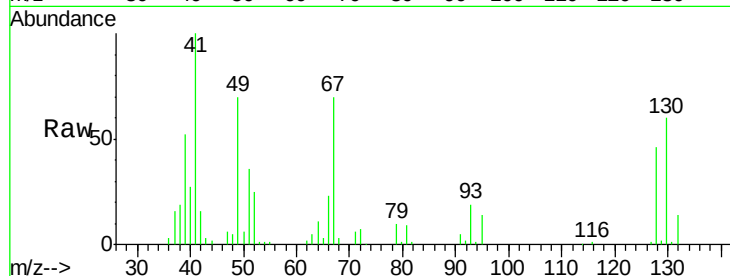
#41
Methacrylonitrile
Concen: 56.700 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	45.6	68.4
67	91.2	67.7	101.5
52	35.0	26.6	40.0

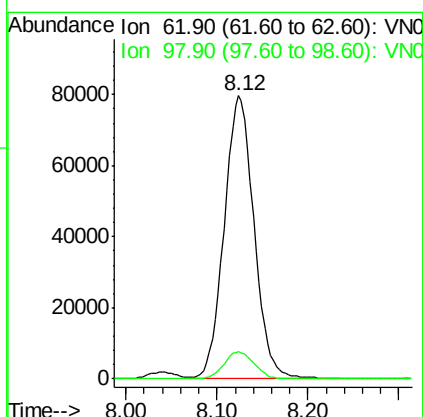
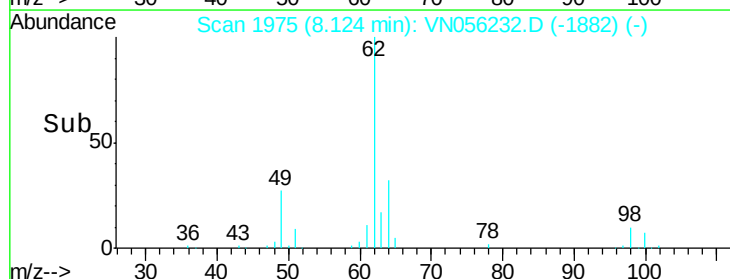
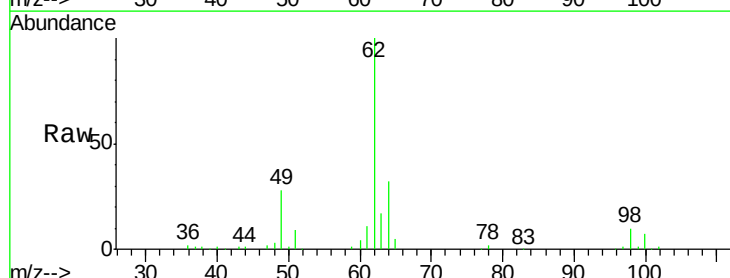
Manual Integrations
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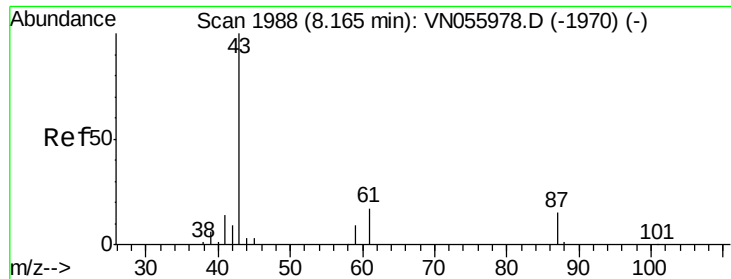
MMDadoda
6/12/2019 11:11:40 AM



#42
1,2-Dichloroethane
Concen: 52.363 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.2





#43

Isopropyl Acetate

Concen: 49.241 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

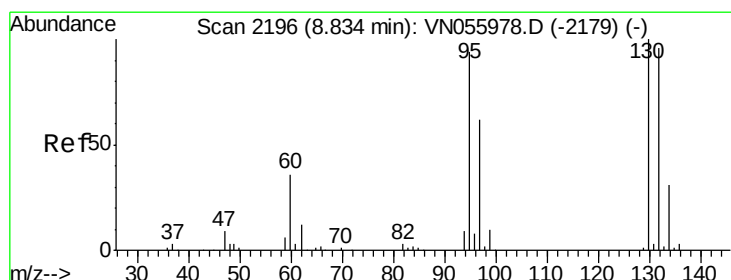
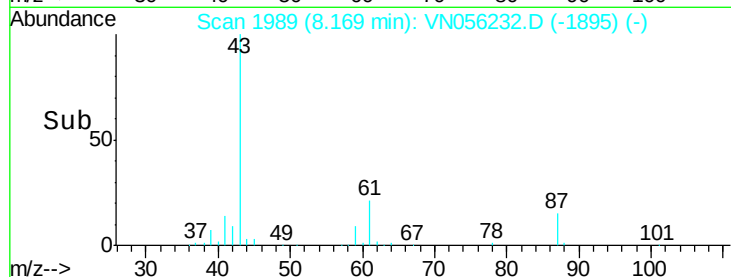
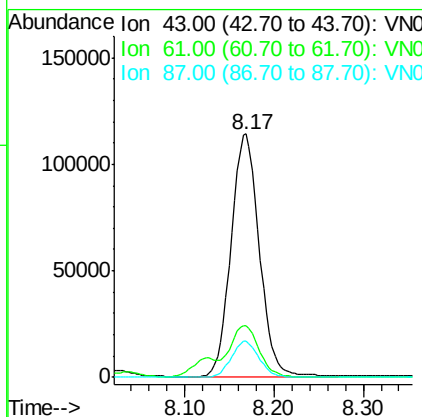
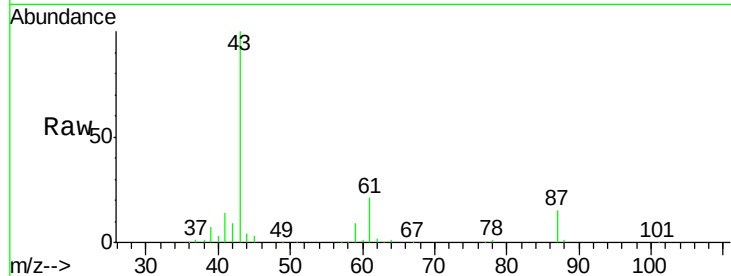
ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:	43	Resp:	250528
Ion Ratio		Lower	Upper
43	100		
61	21.1	22.2	33.4#
87	14.6	11.4	17.2

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#44

Trichloroethene

Concen: 52.641 ug/l

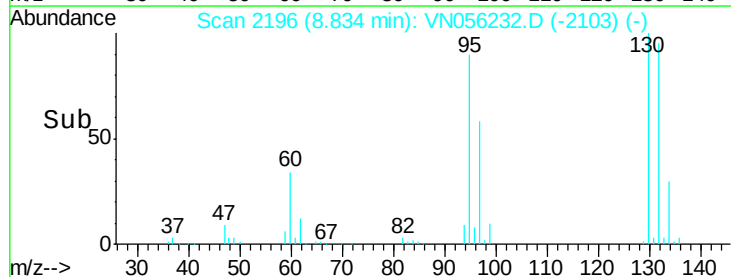
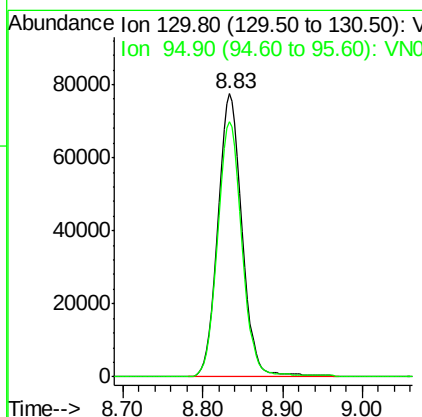
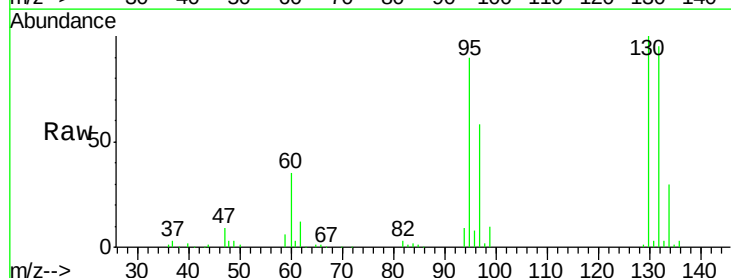
RT: 8.83 min Scan# 2196

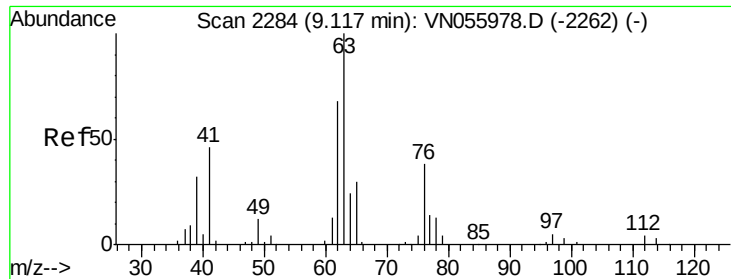
Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion:	130	Resp:	162118
Ion Ratio		Lower	Upper
130	100		
95	90.2	0.0	188.0





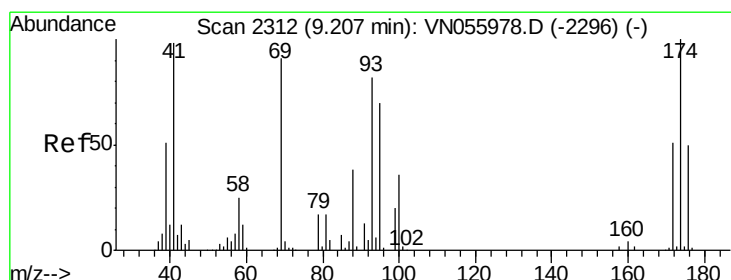
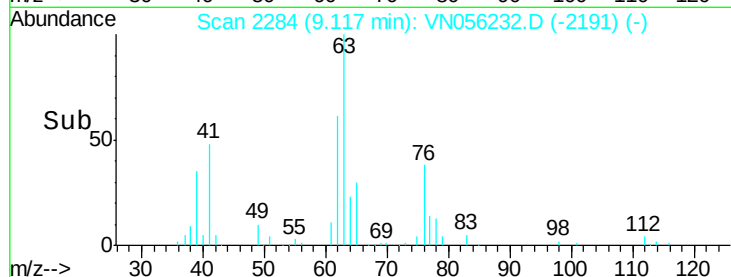
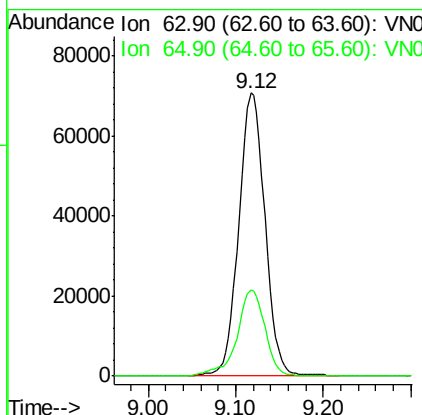
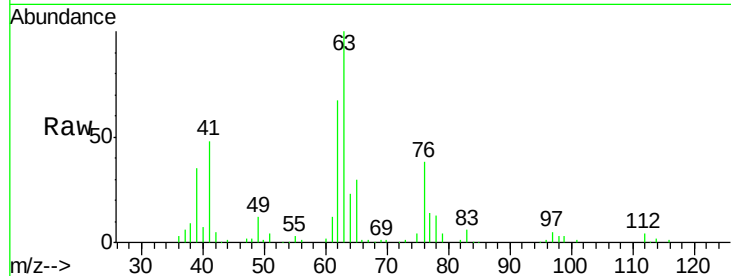
#45
 1,2-Dichloropropane
 Concen: 53.758 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 63 Resp: 147578
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 36.8

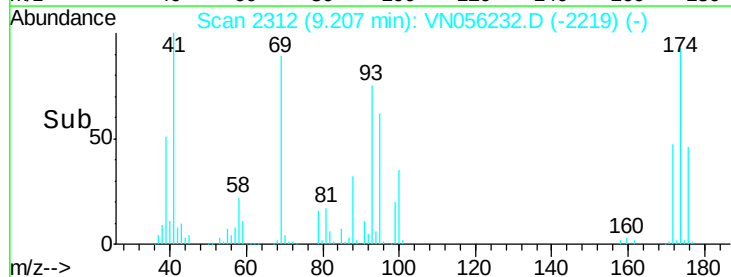
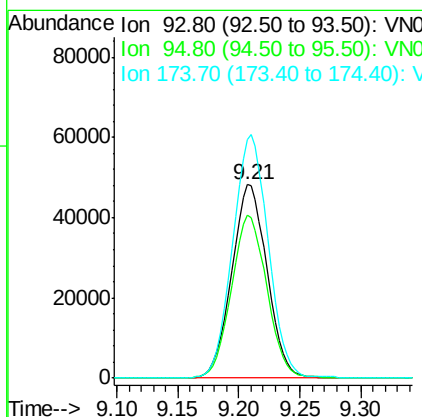
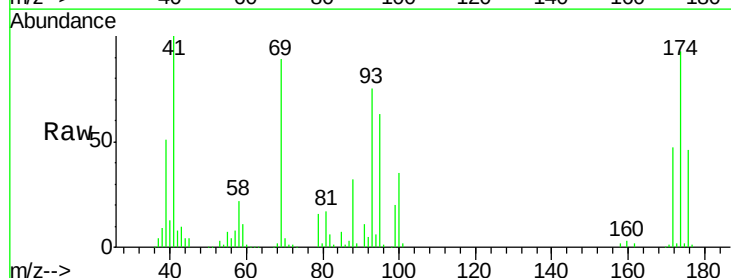
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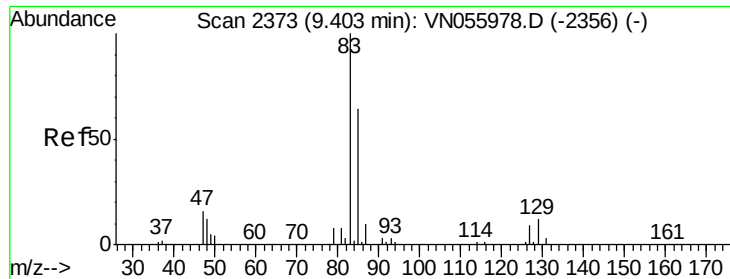
MMDadoda
 6/12/2019 11:11:40 AM



#46
 Dibromomethane
 Concen: 53.983 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion: 93 Resp: 96908
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.7 100.1
 174 126.7 96.4 144.6





#47

Bromodichloromethane

Concen: 56.217 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

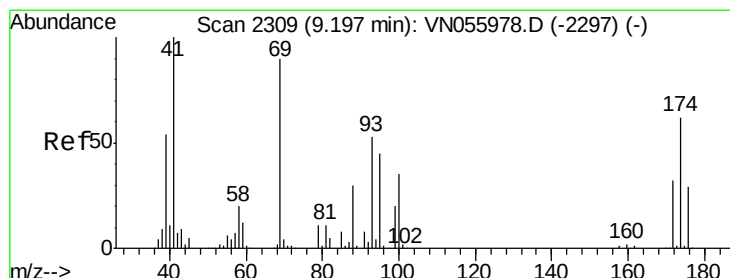
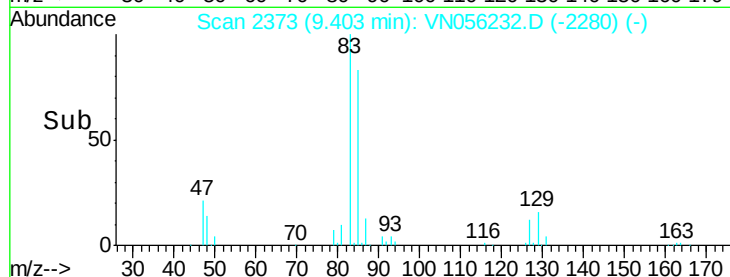
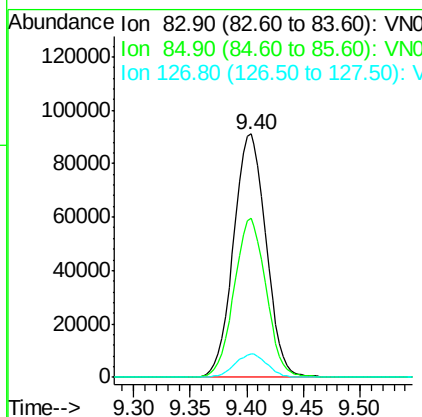
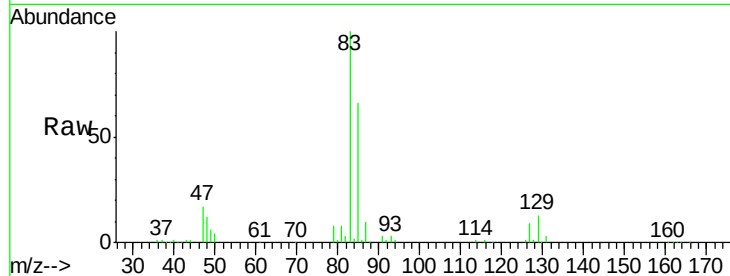
ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:	83	Resp:	182905
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.2	78.2
127	9.5	7.4	11.0

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#48

Methyl methacrylate

Concen: 52.522 ug/l

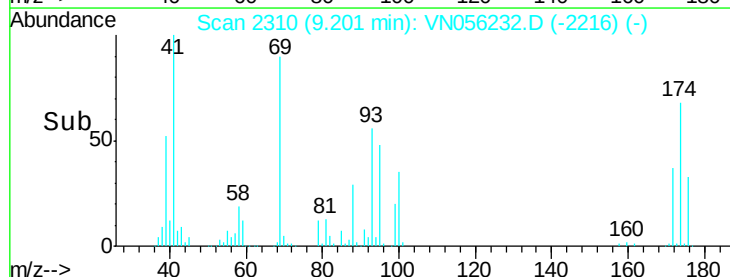
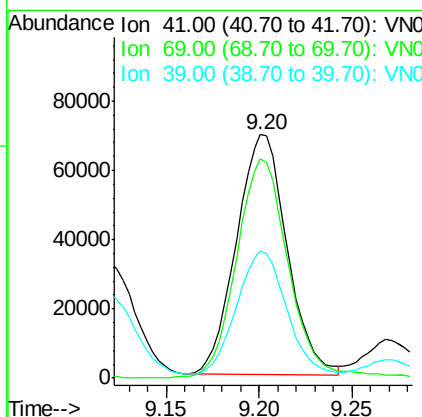
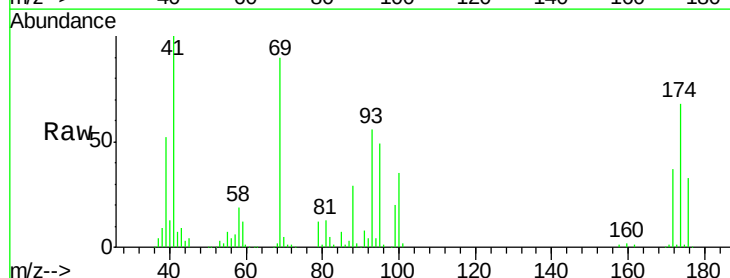
RT: 9.20 min Scan# 2310

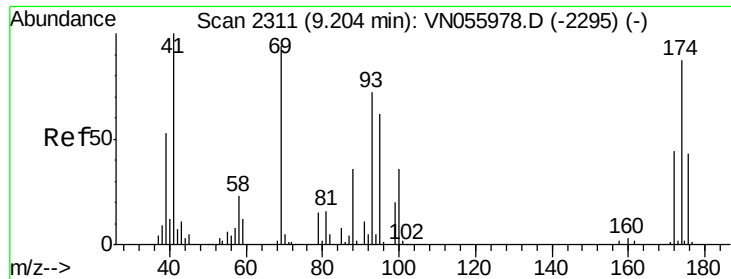
Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion:	41	Resp:	130733
Ion Ratio	Lower	Upper	
41	100		
69	93.7	71.0	106.6
39	53.5	44.2	66.2





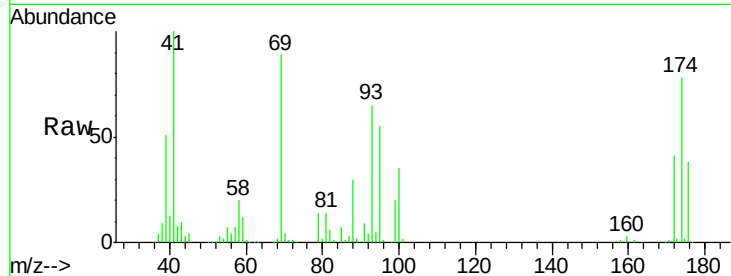
#49
1,4-Dioxane
Concen: 1000.619 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

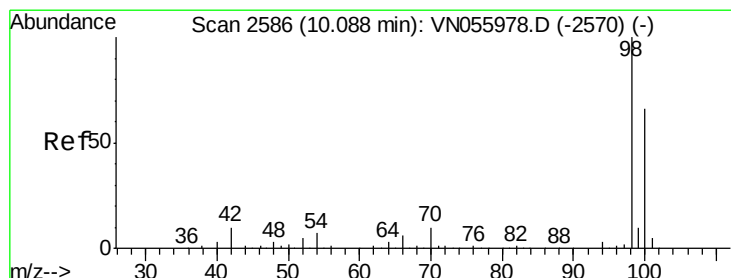
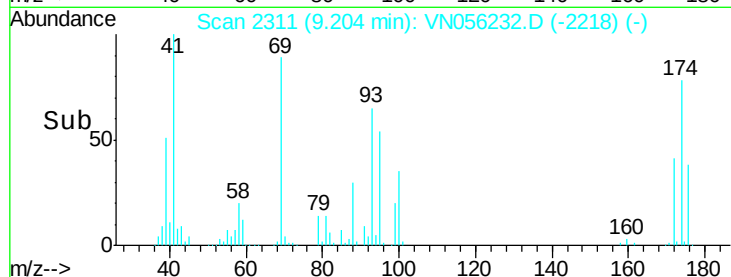
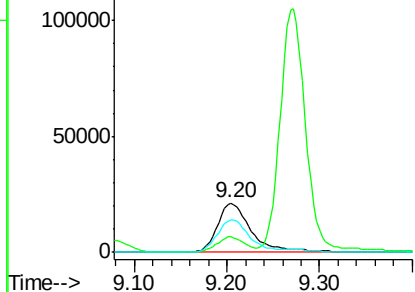
Tot Ion	88	Resp	53770
Ion	Ratio	Lower	Upper
88	100		
43	25.2	20.5	30.7
58	68.4	55.8	83.6

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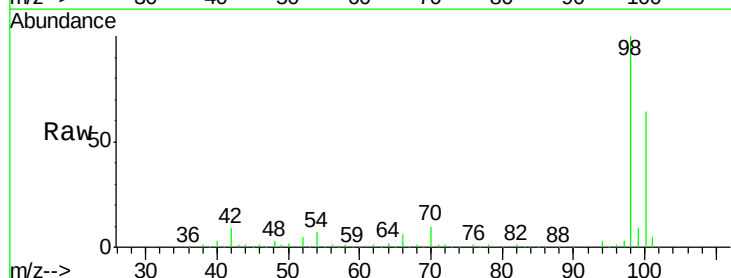


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

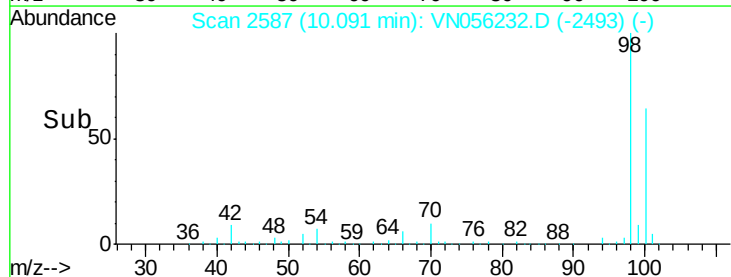
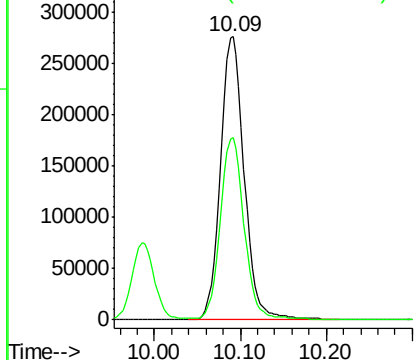


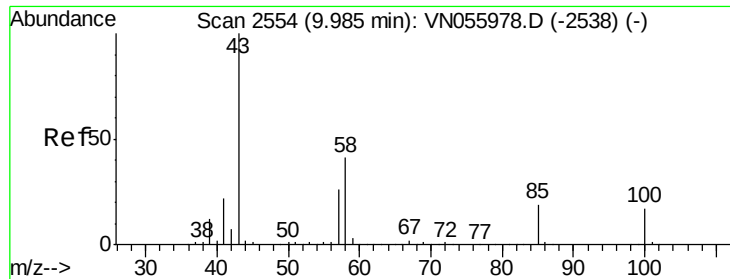
#50
Toluene-d8
Concen: 54.670 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion	98	Resp	529676
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





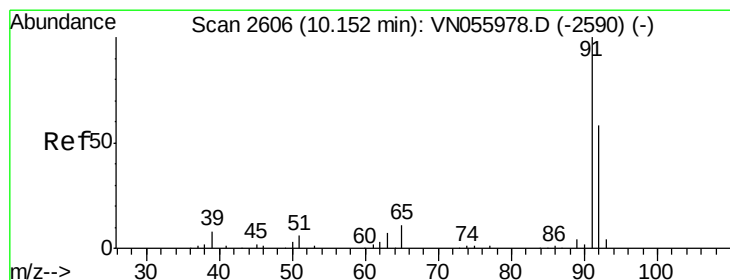
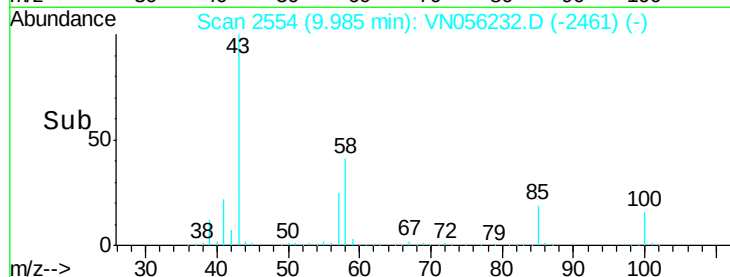
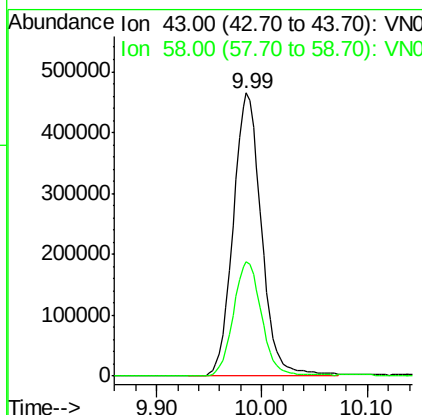
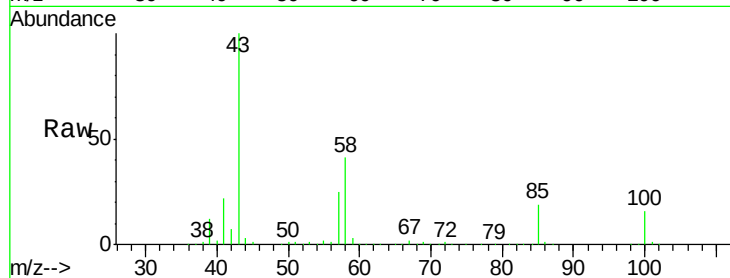
#51
4-Methyl-2-Pentanone
Concen: 270.291 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 43 Resp: 859974
Ion Ratio Lower Upper
43 100
58 40.8 32.1 48.1

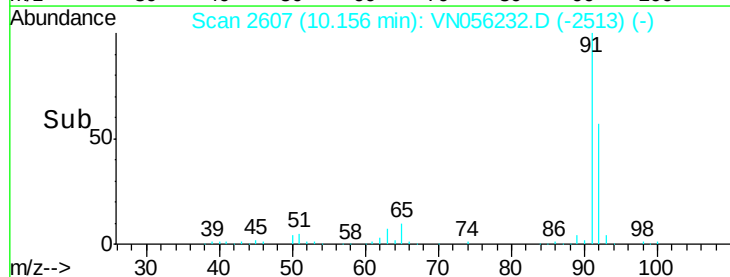
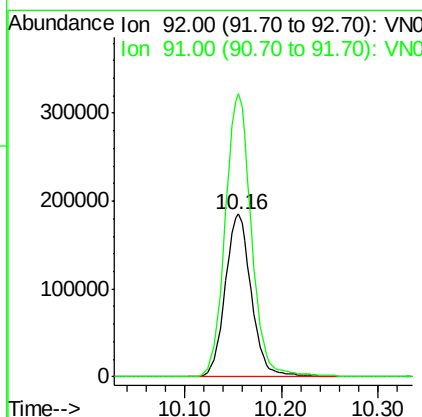
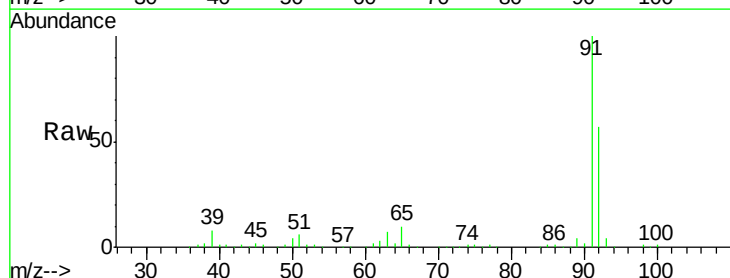
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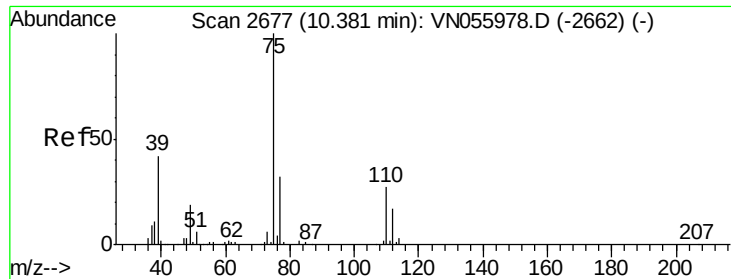
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#52
Toluene
Concen: 52.092 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 92 Resp: 347411
Ion Ratio Lower Upper
92 100
91 175.1 139.4 209.2





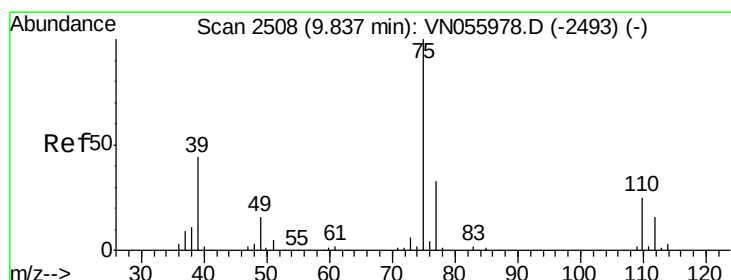
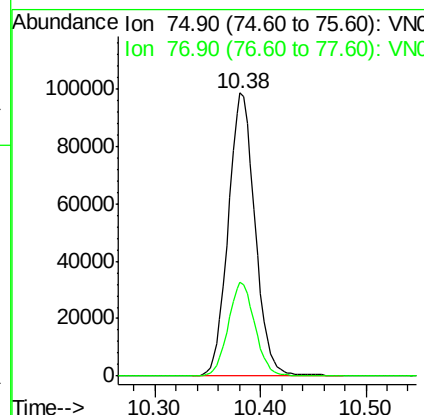
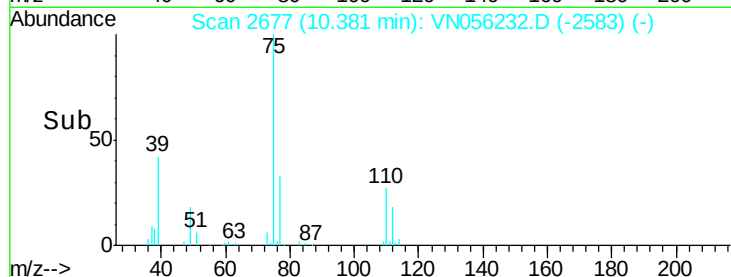
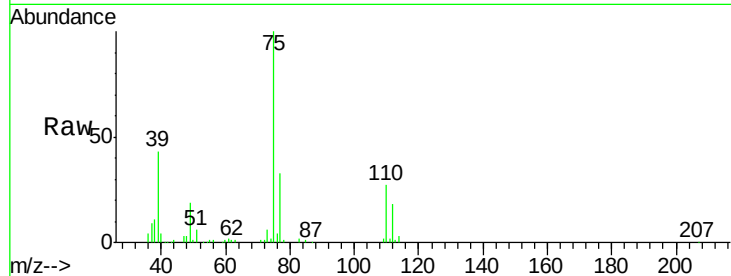
#53
t-1,3-Dichloropropene
Concen: 45.655 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.8	38.6

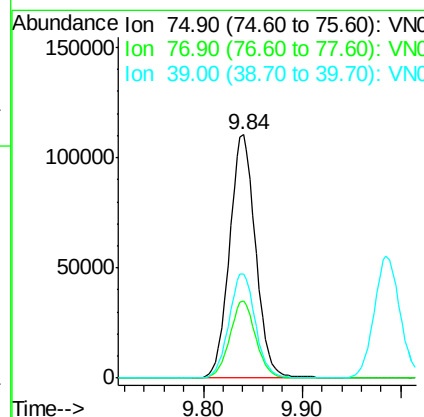
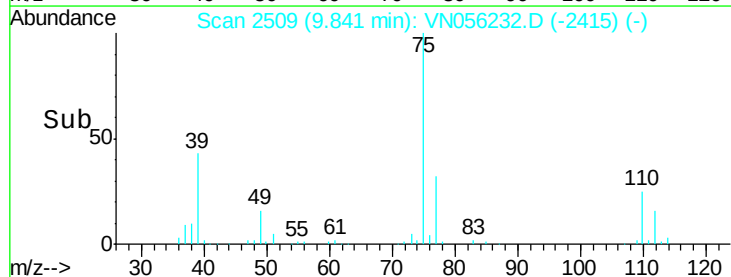
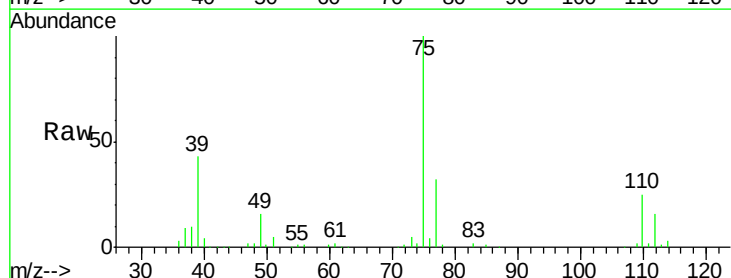
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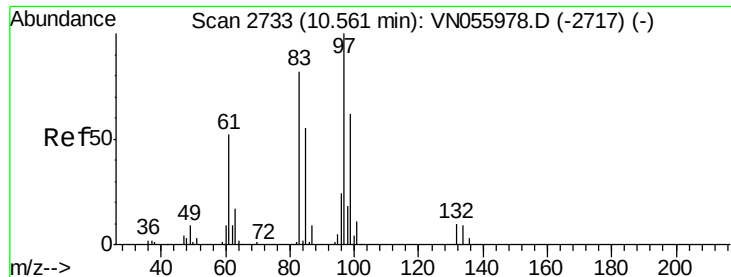
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.284 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	42.8	36.3	54.5





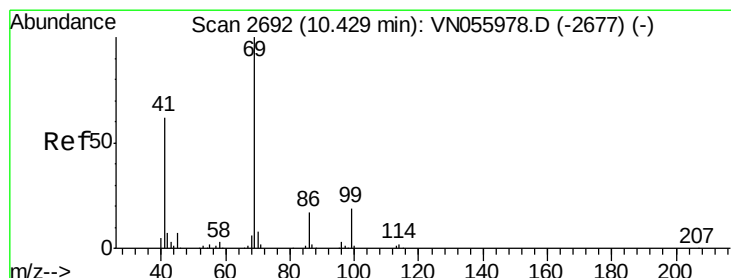
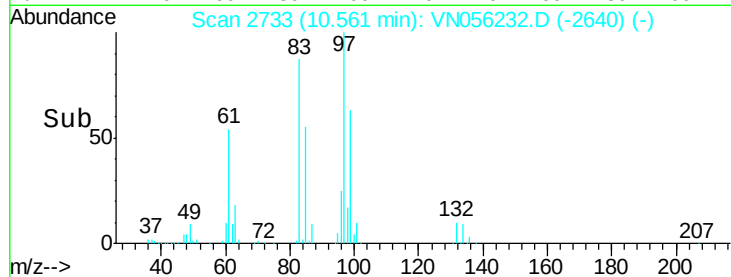
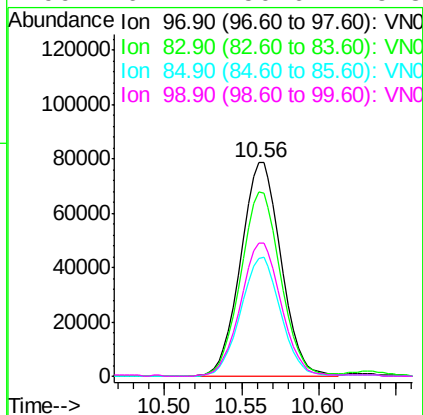
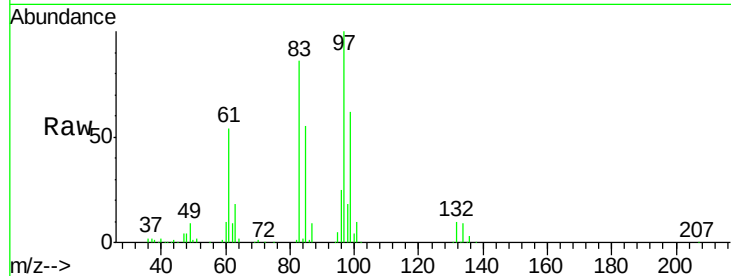
#55
 1,1,2-Trichloroethane
 Concen: 54.107 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion:	97	Resp:	142937
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.0	100.6
85	55.2	44.0	66.0
99	62.2	50.6	75.8

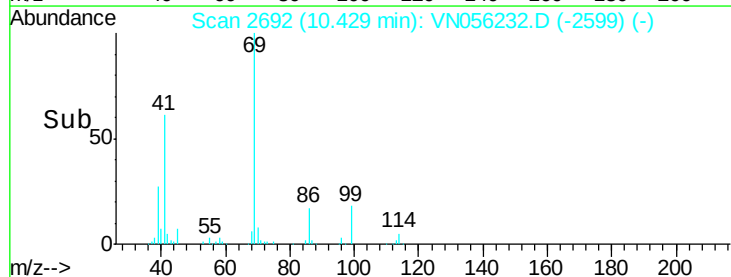
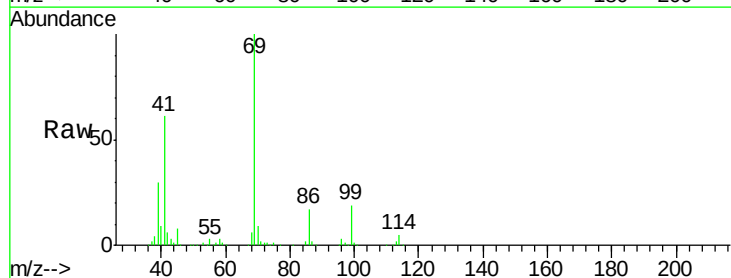
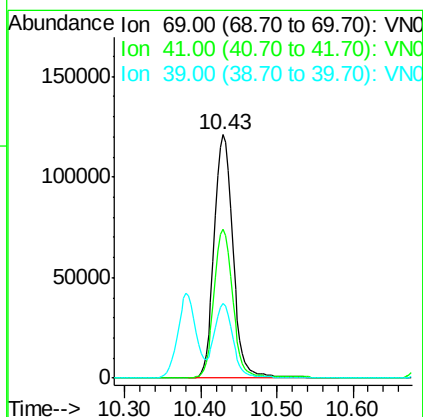
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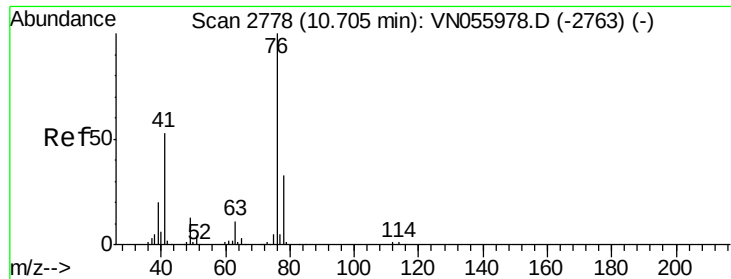
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#56
 Ethyl methacrylate
 Concen: 54.121 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion:	69	Resp:	208583
Ion	Ratio	Lower	Upper
69	100		
41	60.0	49.7	74.5
39	29.8	24.7	37.1





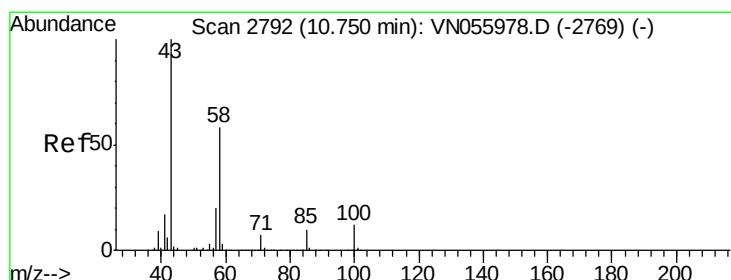
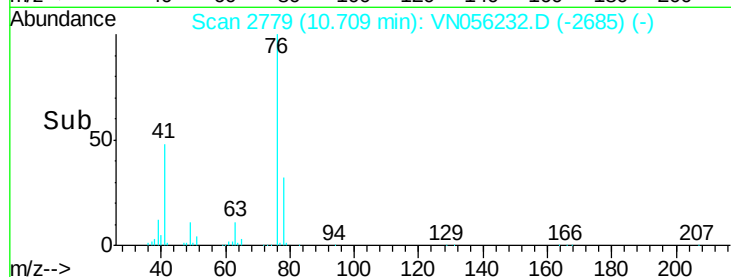
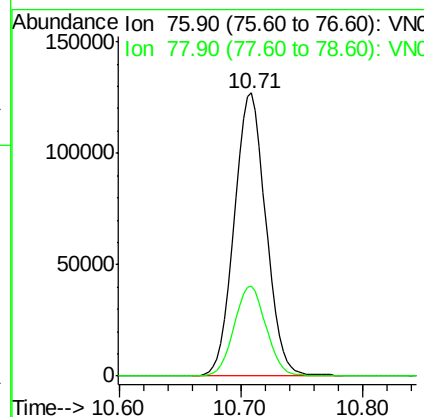
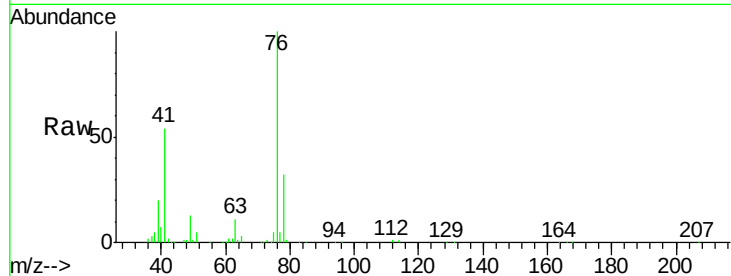
#57
 1,3-Dichloropropane
 Concen: 53.556 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

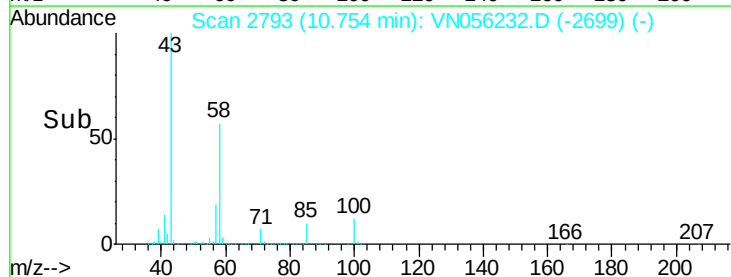
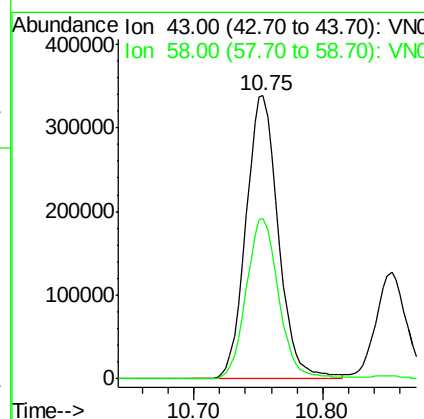
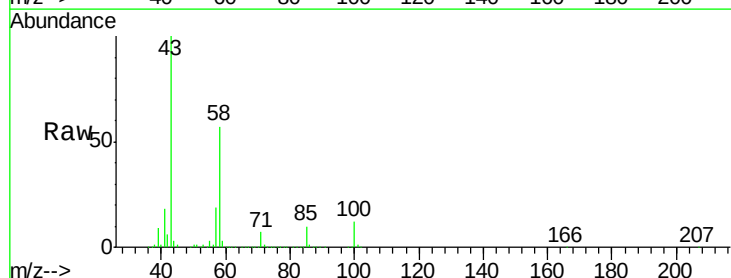
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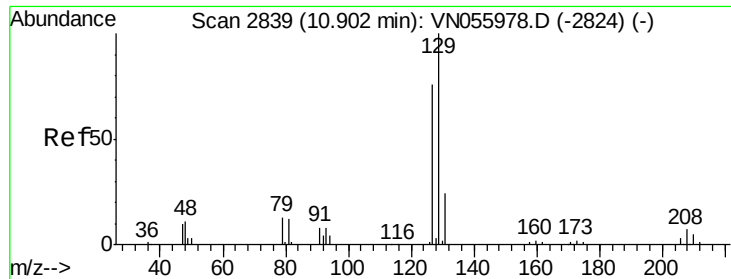
MMDadoda
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#59
 2-Hexanone
 Concen: 256.173 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.2	28.2	84.7





#60

Dibromochloromethane

Concen: 52.854 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:129 Resp: 154425

Ion Ratio Lower Upper

129 100

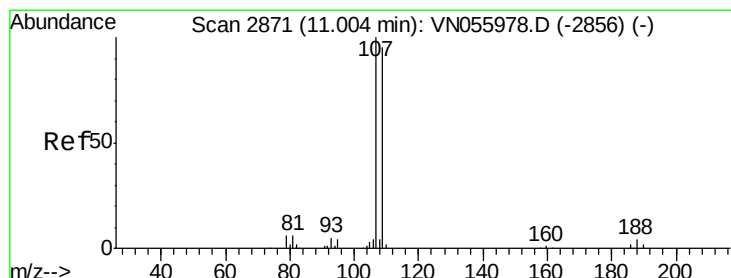
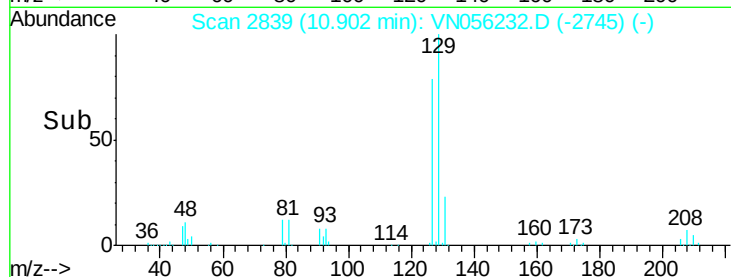
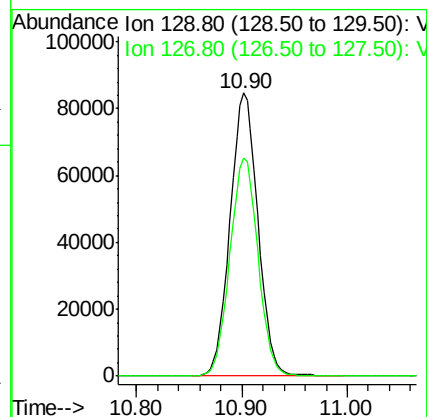
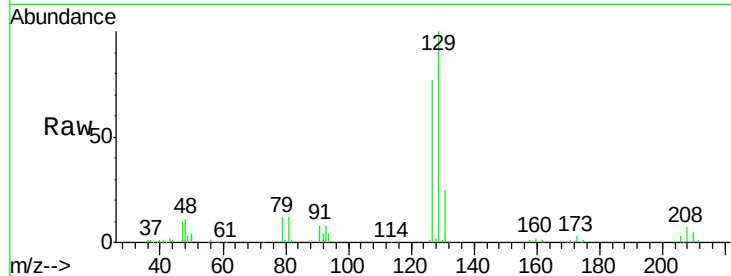
127 77.8 38.1 114.3

Manual Integrations

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6/12/2019 11:11:40 AM



#61

1,2-Dibromoethane

Concen: 54.041 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056232.D

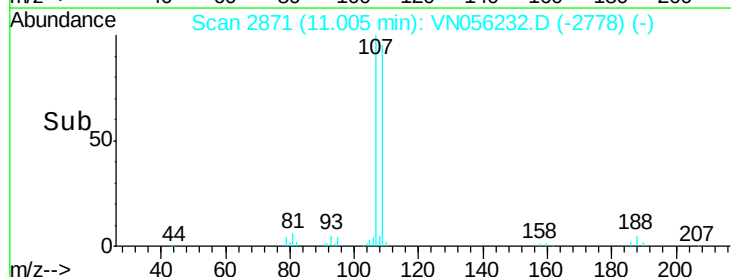
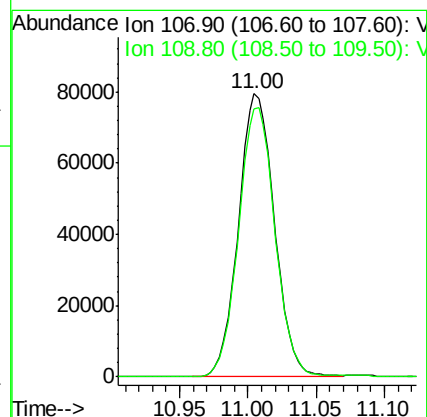
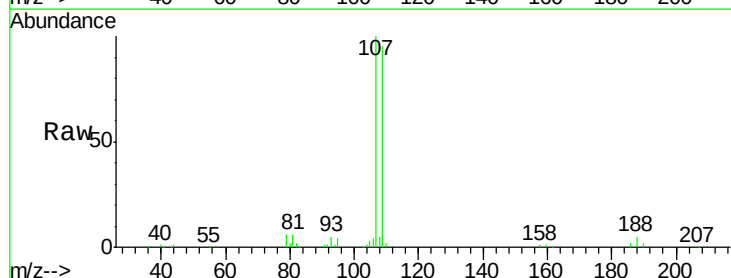
Acq: 11 Jun 2019 18:58

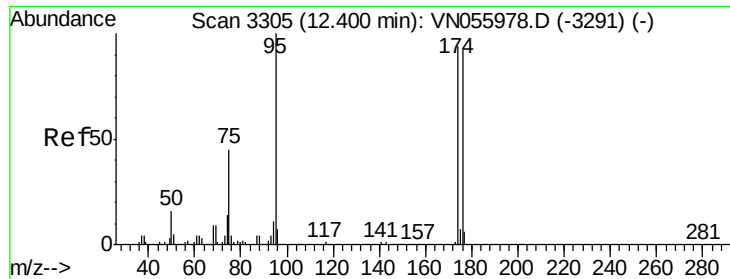
Tgt Ion:107 Resp: 145946

Ion Ratio Lower Upper

107 100

109 96.4 74.8 112.2





#62

4-Bromofluorobenzene

Concen: 52.673 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

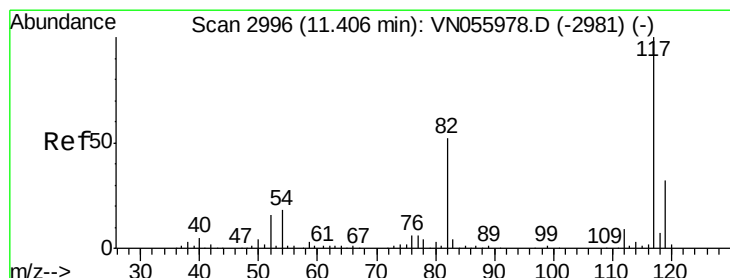
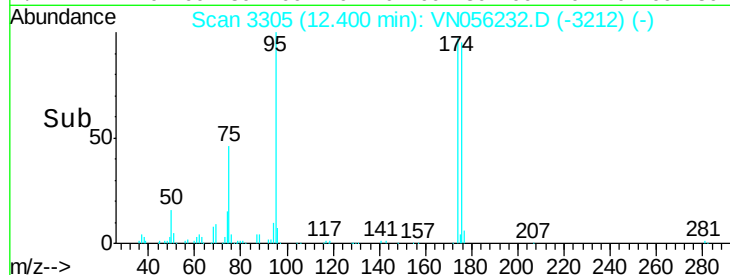
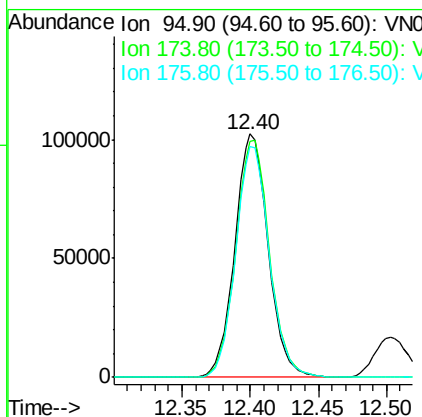
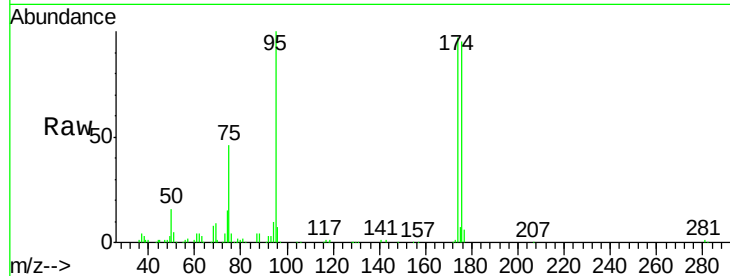
ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:	95	Resp:	173552
Ion Ratio	Lower	Upper	
95	100		
174	98.8	0.0	191.0
176	95.5	0.0	185.2

Manual Integrations
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6/12/2019 11:11:40 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

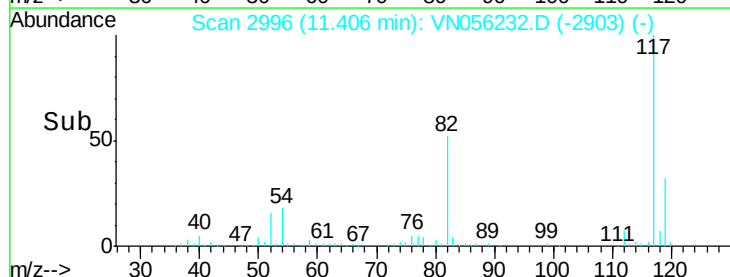
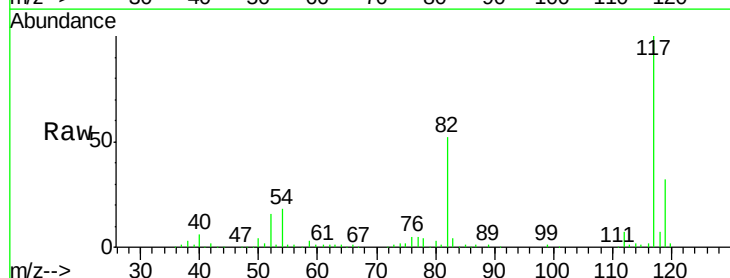
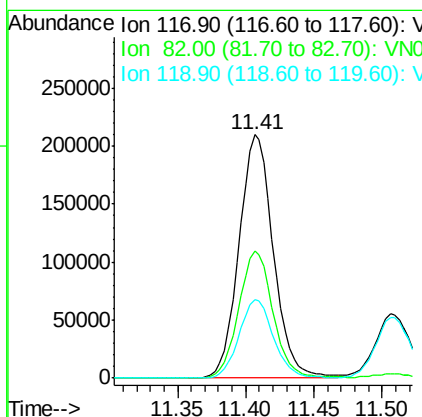
RT: 11.41 min Scan# 2996

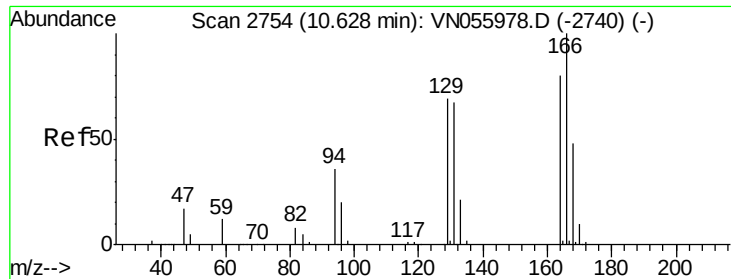
Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion:	117	Resp:	366621
Ion Ratio	Lower	Upper	
117	100		
82	52.0	41.8	62.8
119	32.4	25.4	38.0





#64

Tetrachloroethene

Concen: 48.957 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:164 Resp: 155365

Ion Ratio Lower Upper

164 100

166 129.1 103.0 154.6

129 87.0 70.6 105.8

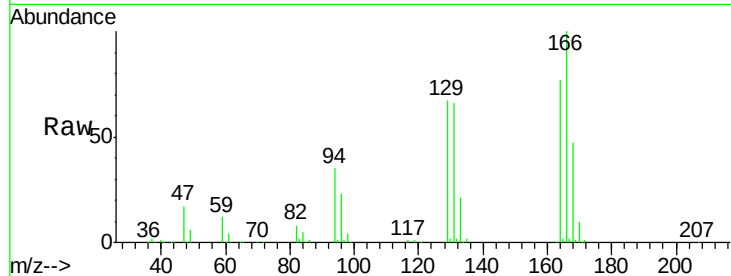
131 84.7 68.6 102.8

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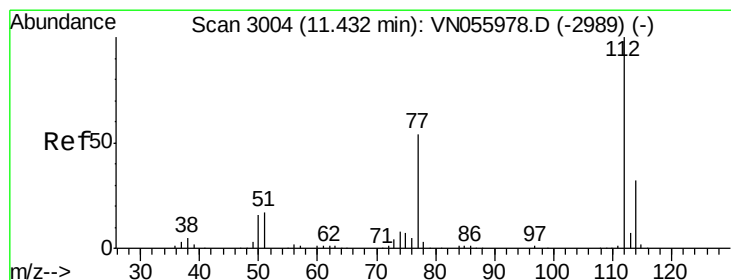
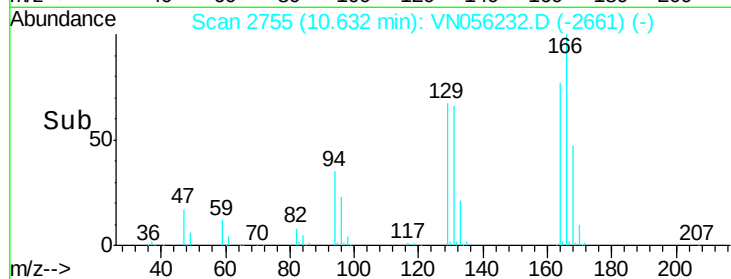
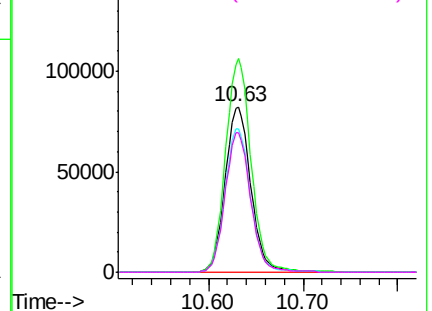


Abundance Ion 163.80 (163.50 to 164.50): V

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: 51.603 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056232.D

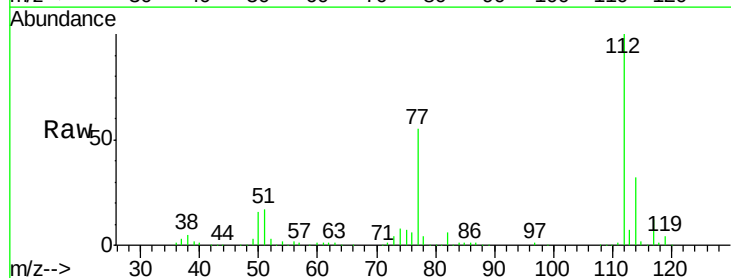
Acq: 11 Jun 2019 18:58

Tgt Ion:112 Resp: 376520

Ion Ratio Lower Upper

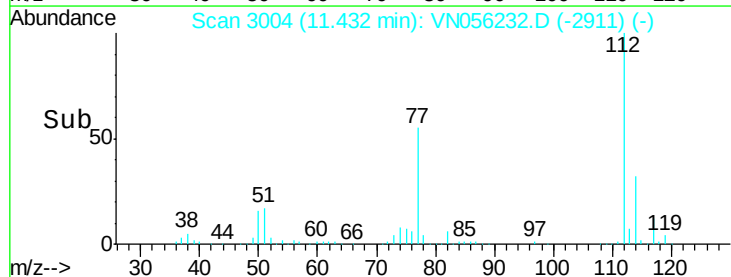
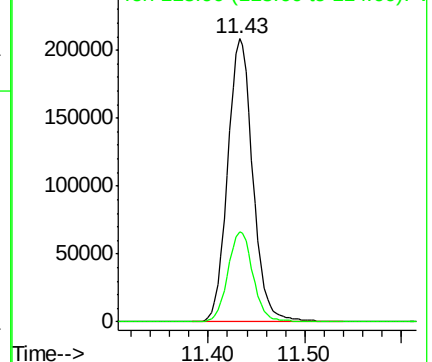
112 100

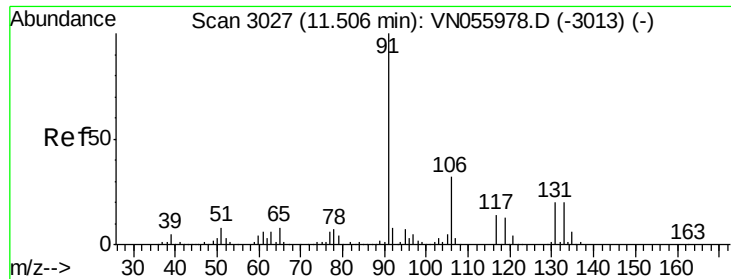
114 31.7 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 56.818 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

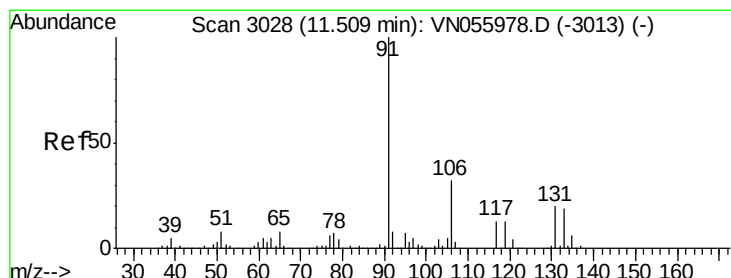
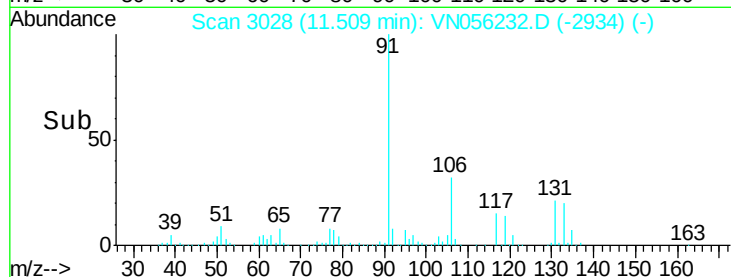
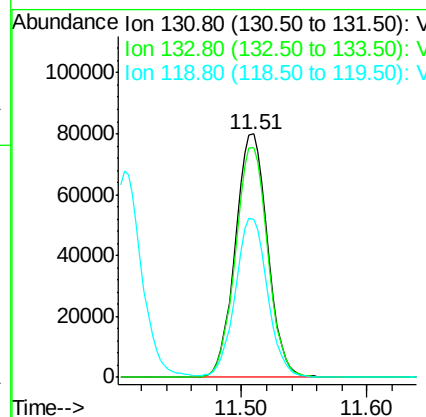
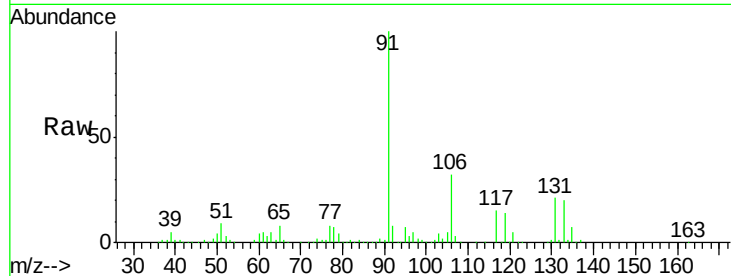
ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.0	144.0
119	65.1	33.1	99.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.892 ug/l

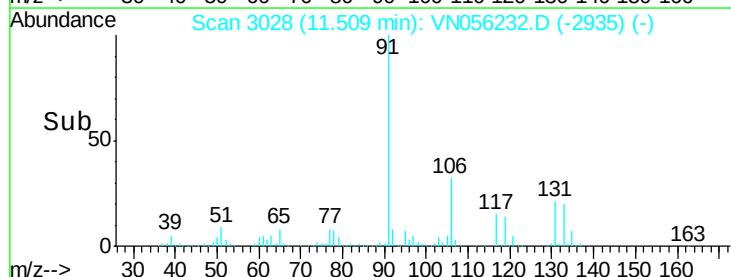
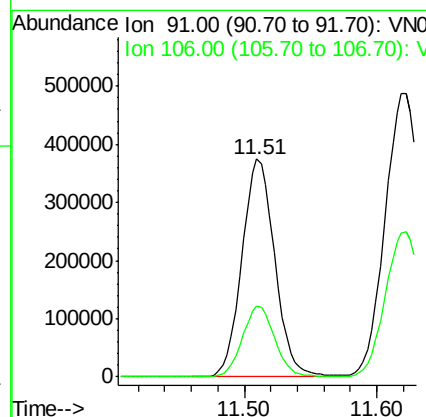
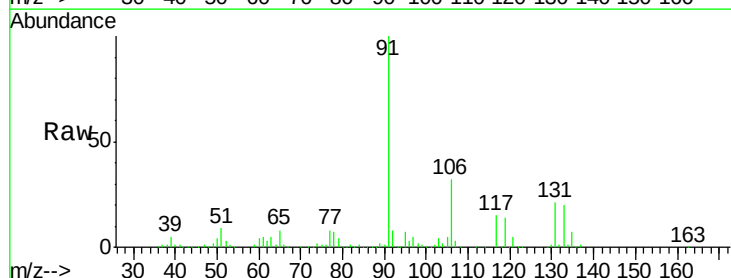
RT: 11.51 min Scan# 3028

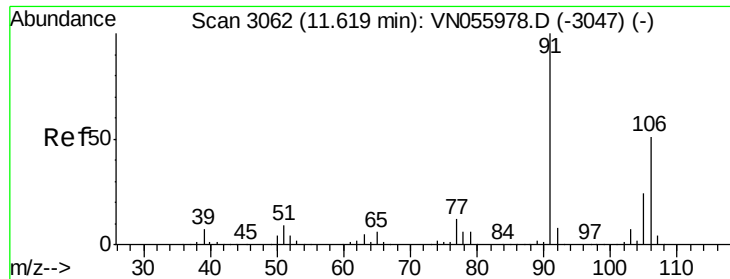
Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.1	37.7





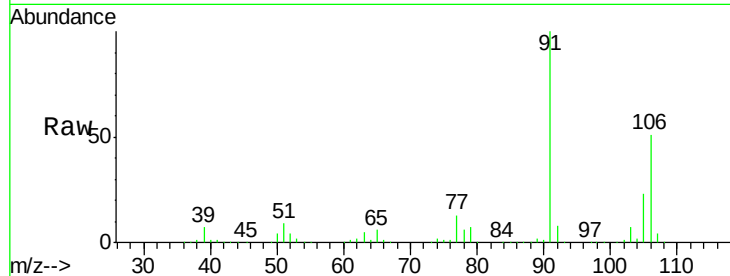
#68
m/p-Xylenes
Concen: 102.101 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

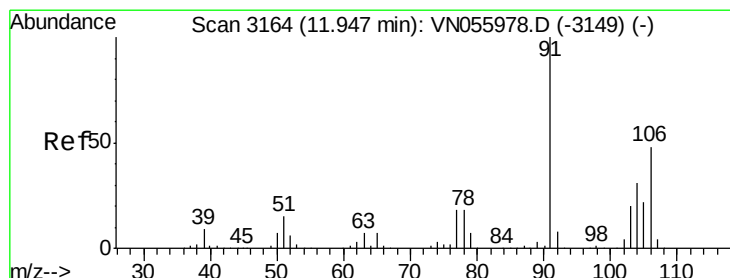
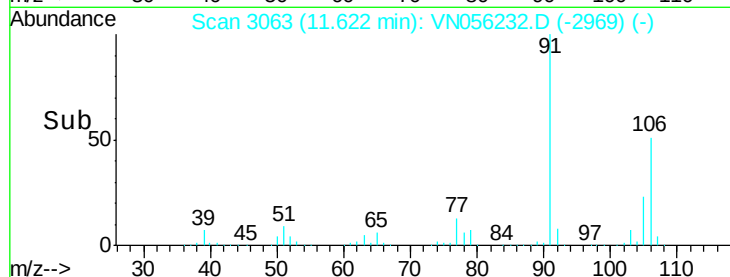
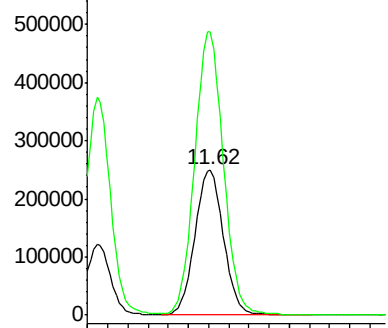
Tot Ion:106 Resp: 494857
Ion Ratio Lower Upper
106 100
91 196.2 159.3 238.9

Manual Integrations
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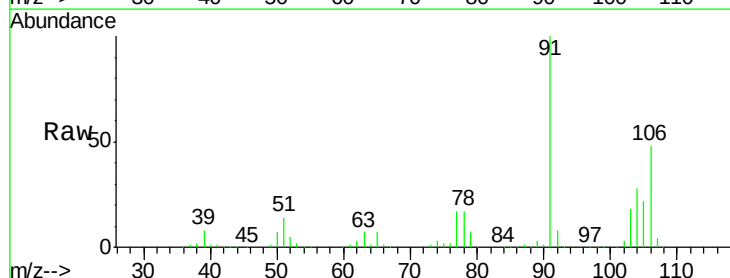


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

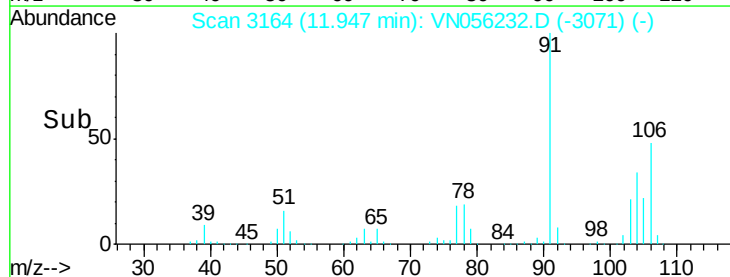
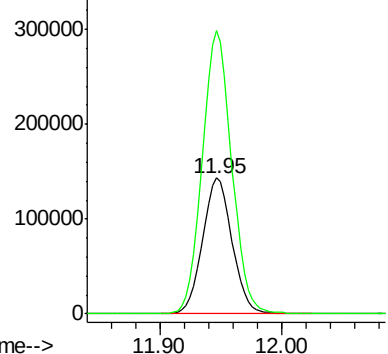


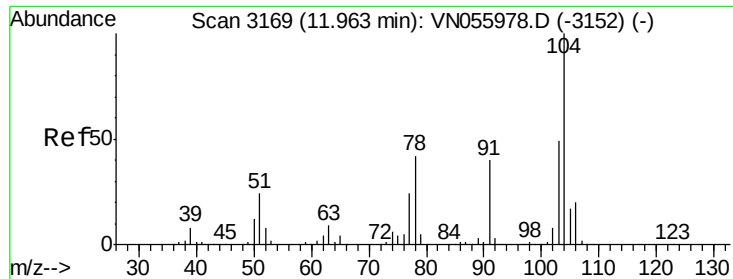
#69
o-Xylene
Concen: 50.798 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion:106 Resp: 242180
Ion Ratio Lower Upper
106 100
91 207.1 104.7 314.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





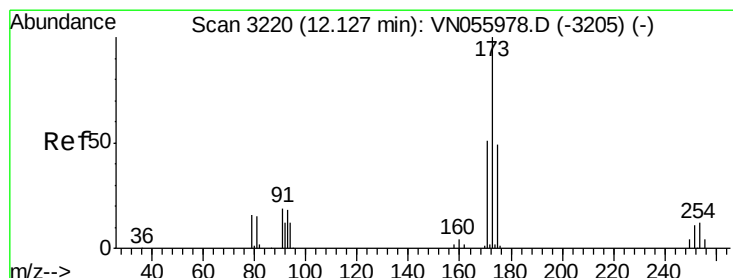
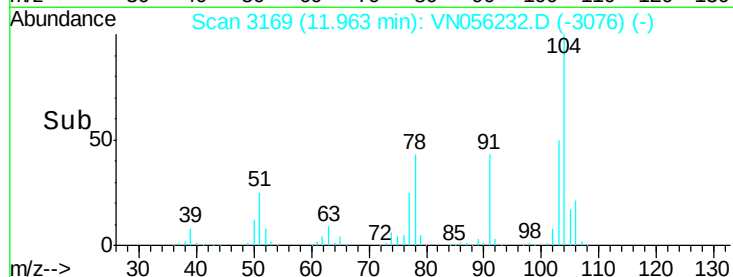
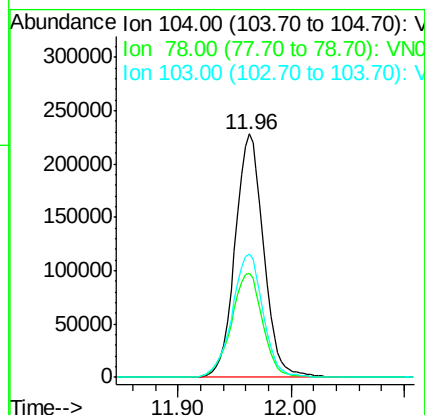
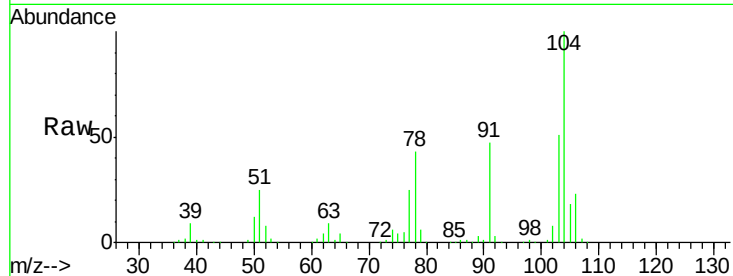
#70
Stvrene
Concen: 52.885 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	400601		
78	46.8		37.8	56.6
103	54.9		44.2	66.2

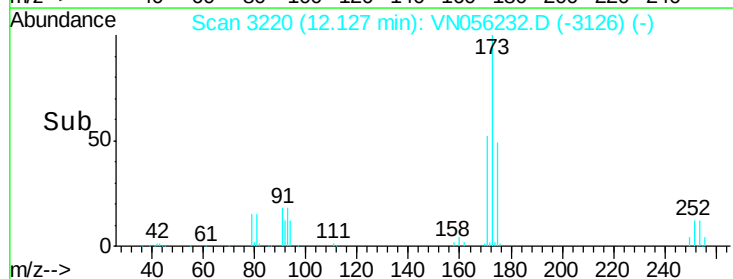
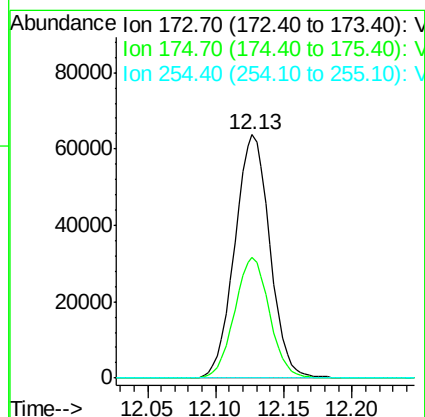
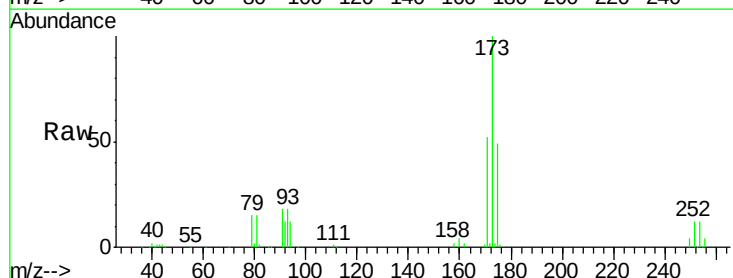
Manual Integrations
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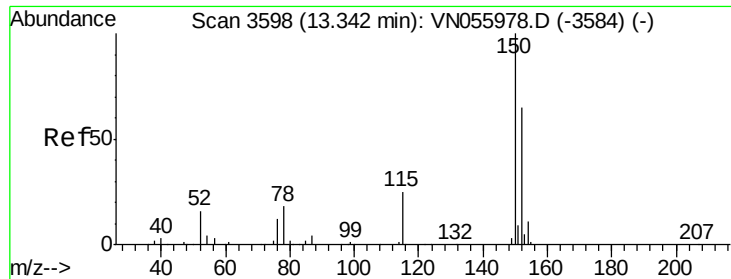
MMDadoda
6/12/2019 11:11:40 AM



#71
Bromoform
Concen: 53.586 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	113783		
175	49.1		24.3	72.8
254	0.0		0.0	0.0#





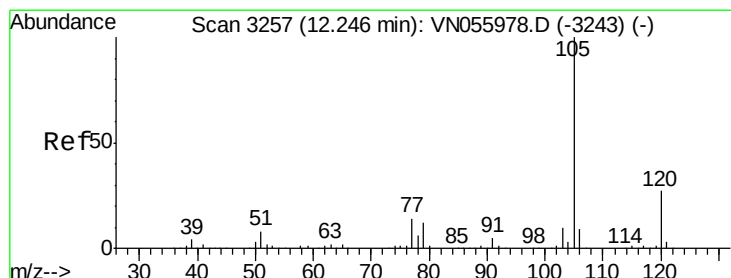
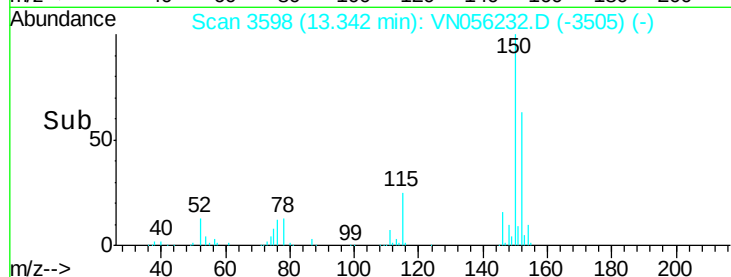
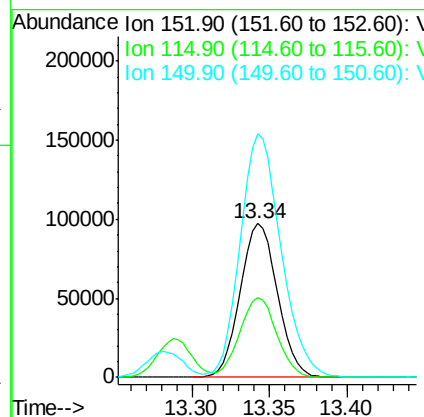
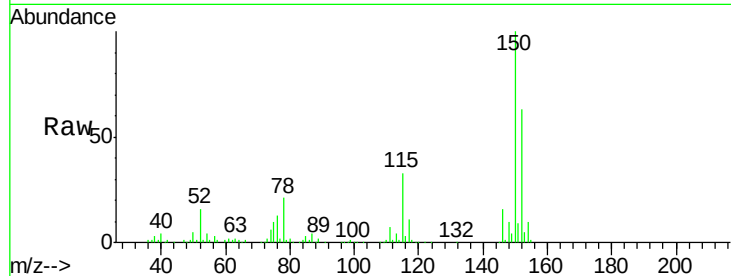
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Resp	Lower	Upper
152	100	162627		
115	51.7	27.0	81.0	
150	173.7	0.0	343.2	

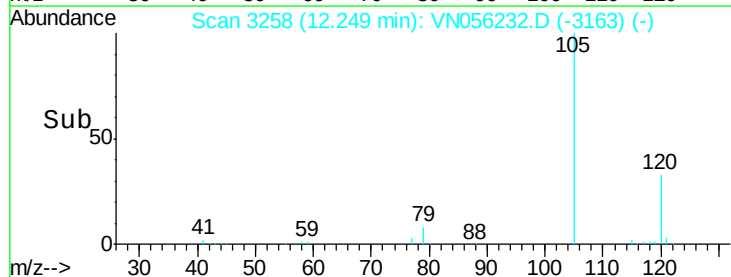
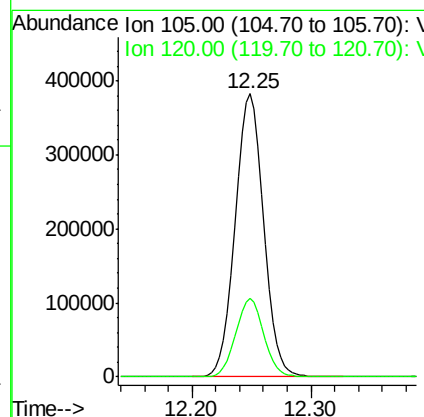
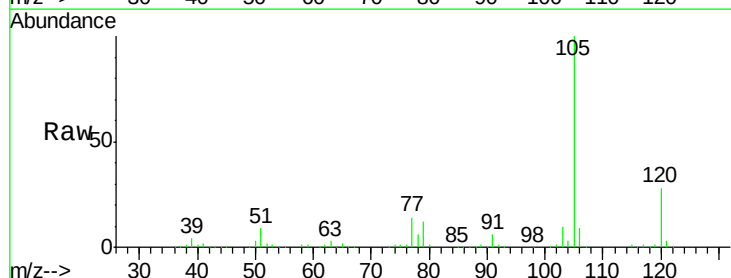
Manual Integrations
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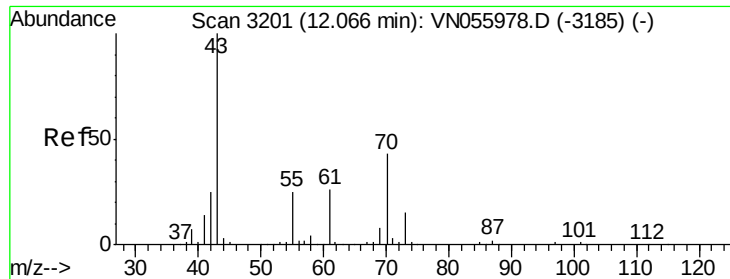
MMDadoda
6/12/2019 11:11:40 AM



#73
Isopropylbenzene
Concen: 54.834 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	632930		
120	27.3	13.6	40.7	





#74

N-amvl acetate

Concen: 43.804 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

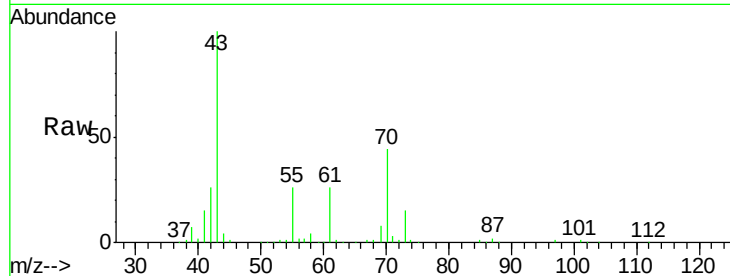
ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:	43	Resp:	189892
Ion Ratio	Lower	Upper	
43	100		
70	44.2	34.0	51.0
55	25.8	18.6	28.0
61	25.5	20.0	30.0

Manual Integrations
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MMDadoda
6/12/2019 11:11:40 AM

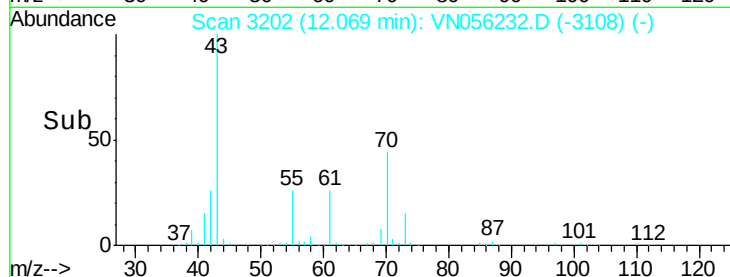
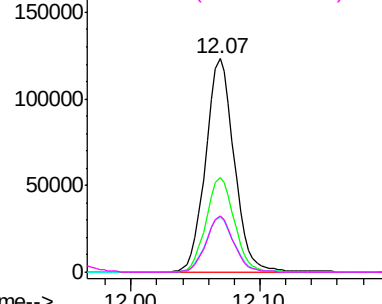


Abundance Ion 43.00 (42.70 to 43.70): VN0

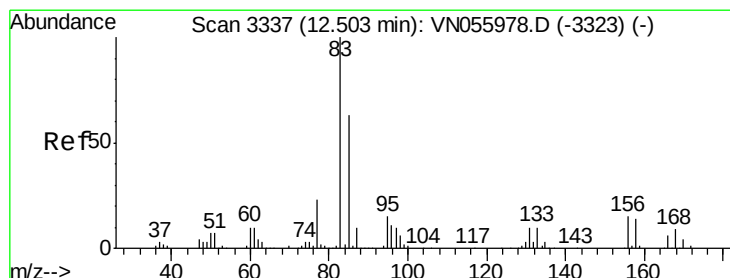
Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 51.541 ug/l

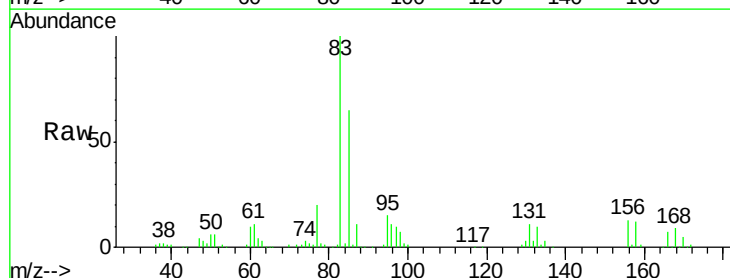
RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

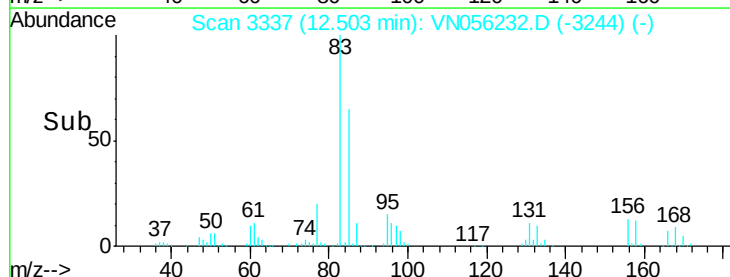
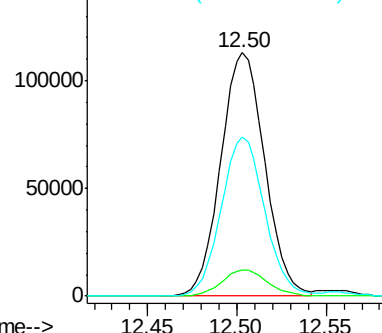
Tgt Ion:	83	Resp:	194582
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.4	16.2
85	64.7	32.4	97.0



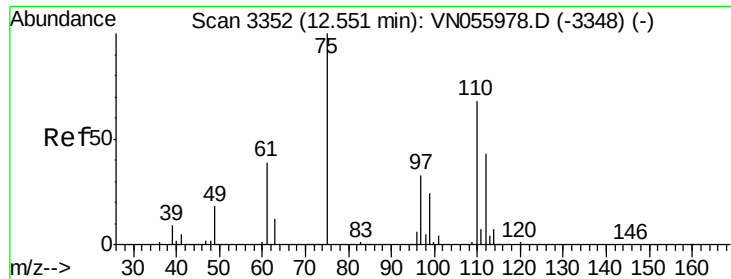
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



Time-->



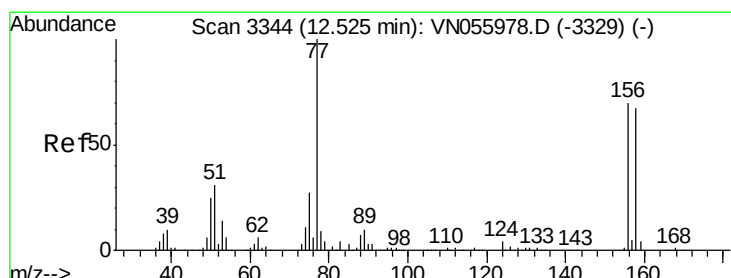
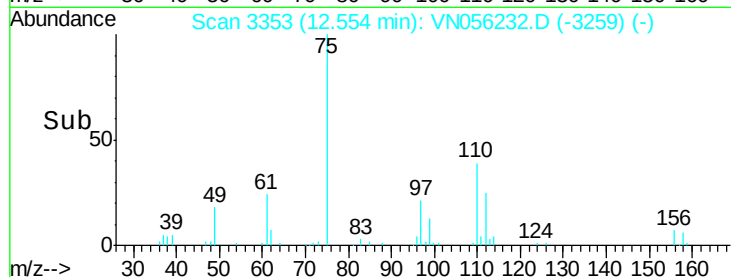
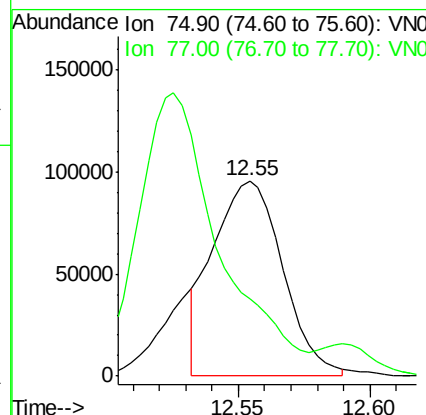
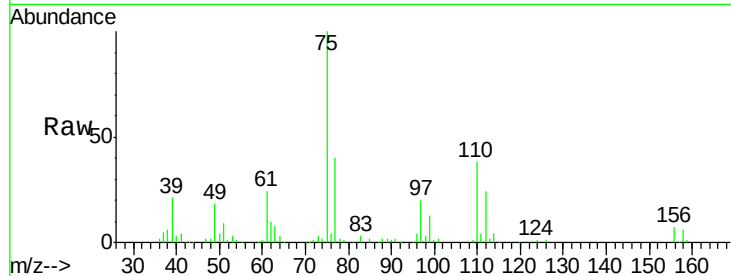
#76
 1,2,3-Trichloropropane
 Concen: 59.154 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 75 Resp: 177013
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

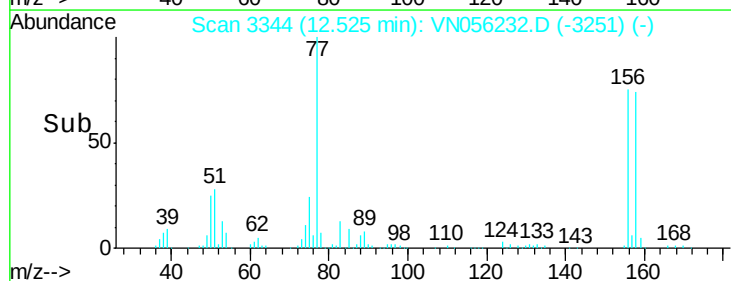
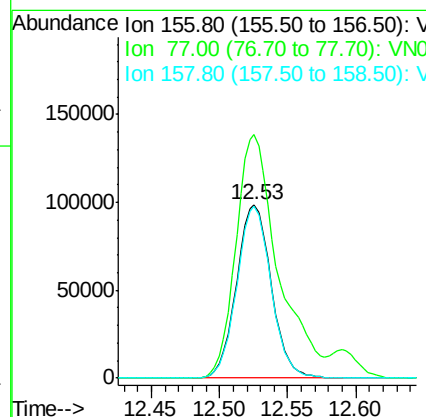
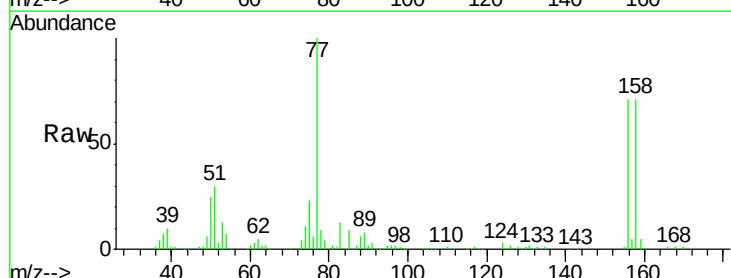
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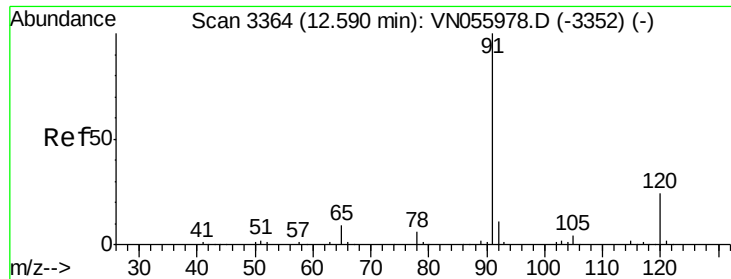
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#77
 Bromobenzene
 Concen: 50.154 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion: 156 Resp: 174626
 Ion Ratio Lower Upper
 156 100
 77 170.8 90.8 272.5
 158 97.5 49.3 147.8





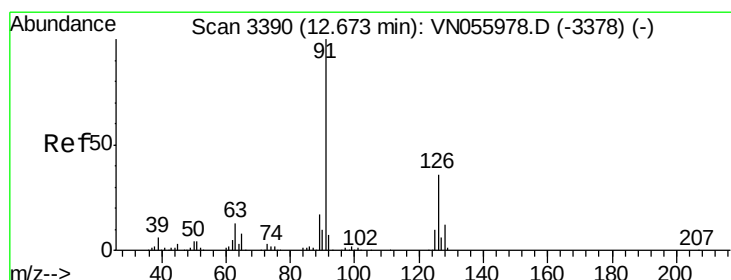
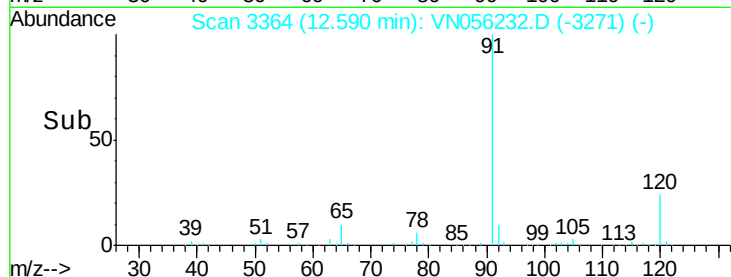
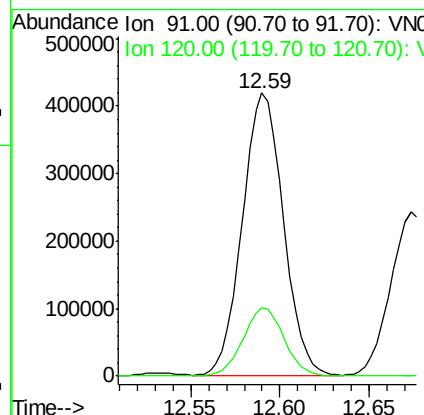
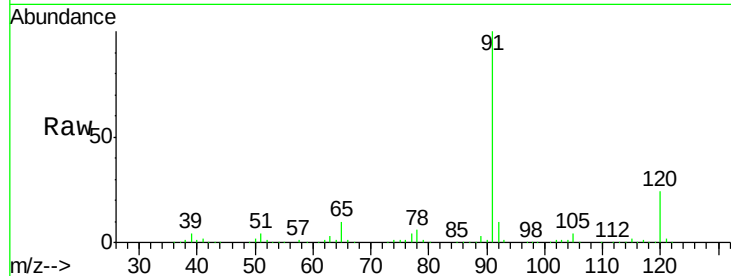
#78
n-propylbenzene
Concen: 48.639 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 91 Resp: 669182
Ion Ratio Lower Upper
91 100
120 24.4 12.0 36.0

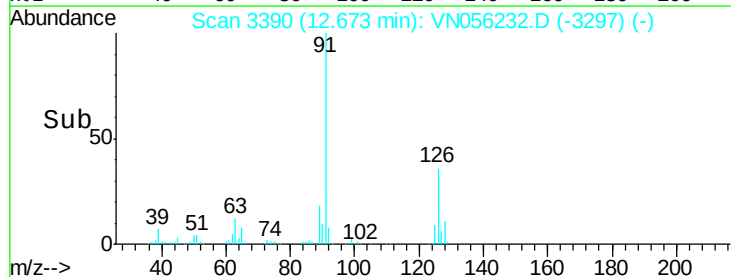
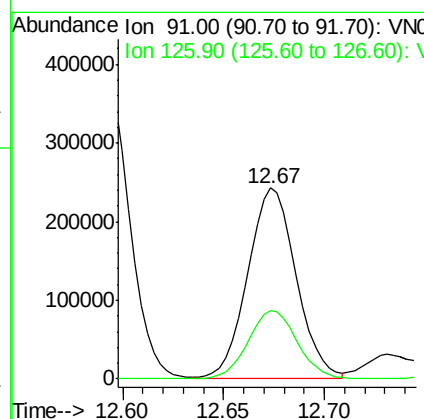
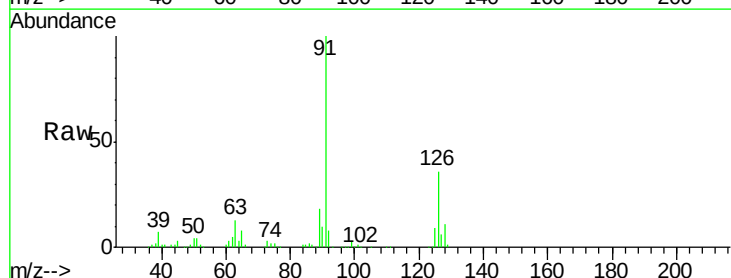
Manual Integrations
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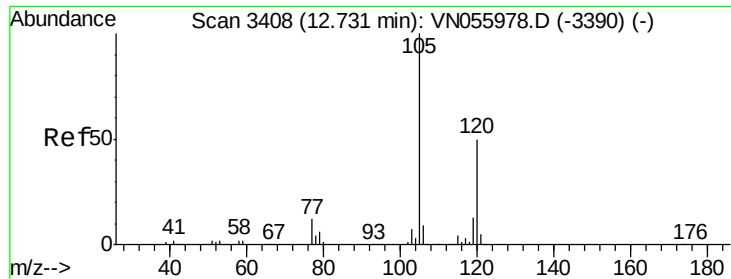
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#79
2-Chlorotoluene
Concen: 53.253 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 91 Resp: 405232
Ion Ratio Lower Upper
91 100
126 36.6 18.1 54.4





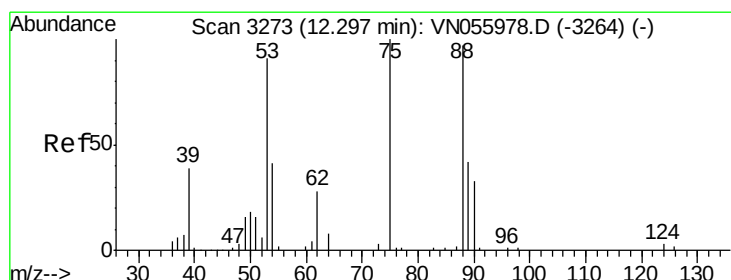
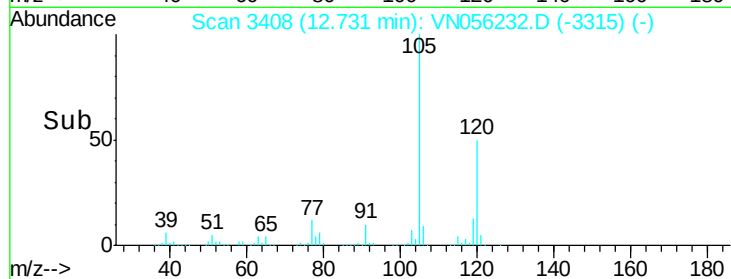
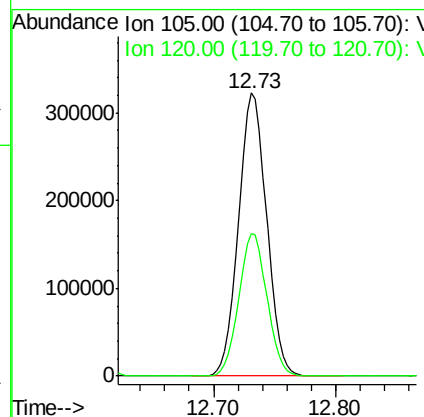
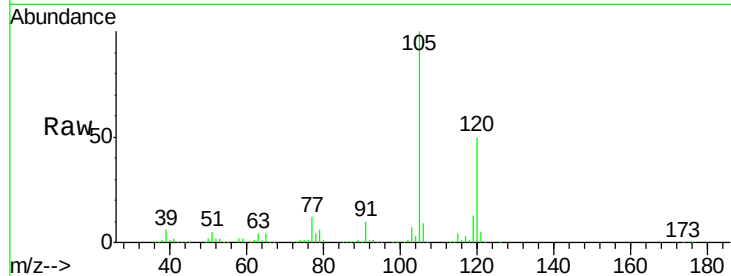
#80
 1,3,5-Trimethylbenzene
 Concen: 47.175 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion:105 Resp: 515832
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.7 74.1

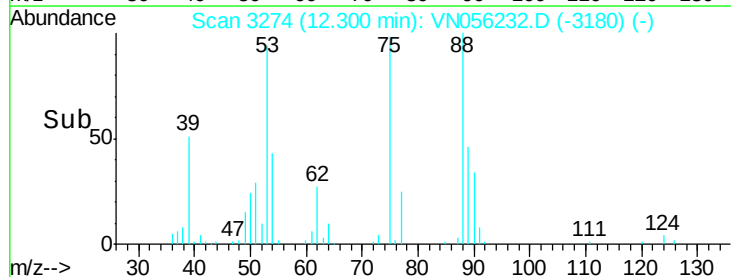
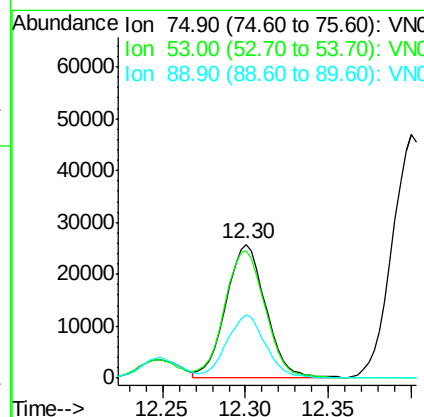
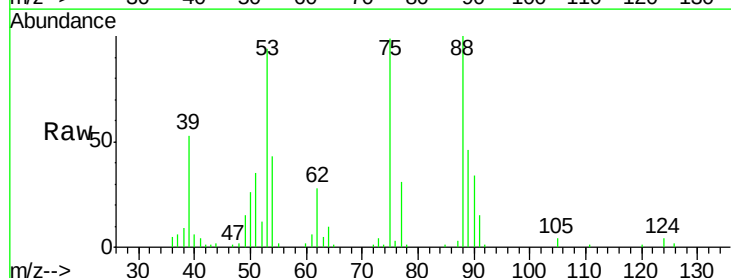
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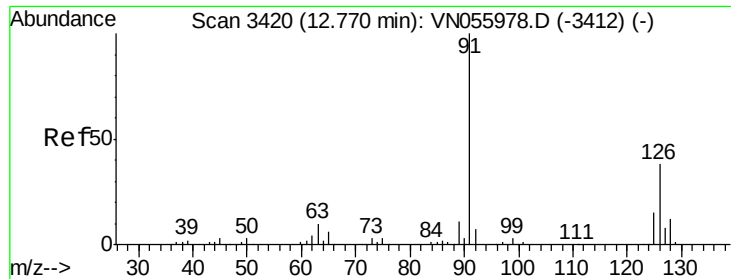
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.115 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion: 75 Resp: 43235
 Ion Ratio Lower Upper
 75 100
 53 97.3 68.1 102.1
 89 45.8 36.9 55.3





#82

4-Chlorotoluene

Concen: 48.985 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 91 Resp: 394287

Ion Ratio Lower Upper

91 100

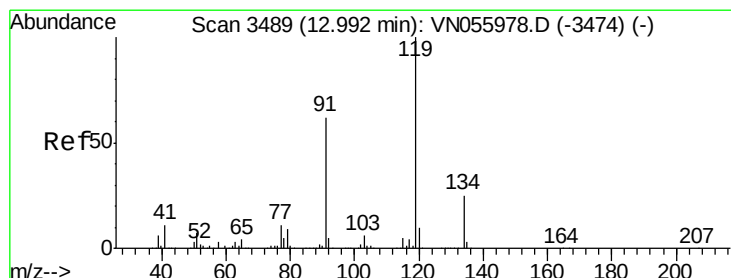
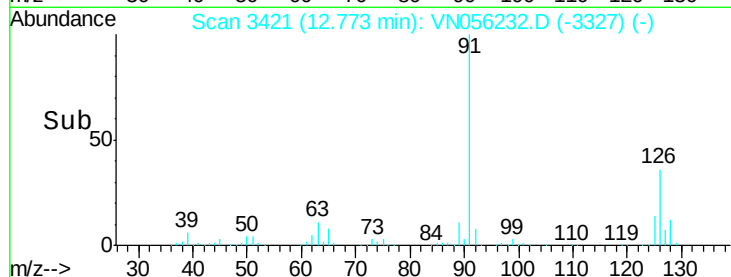
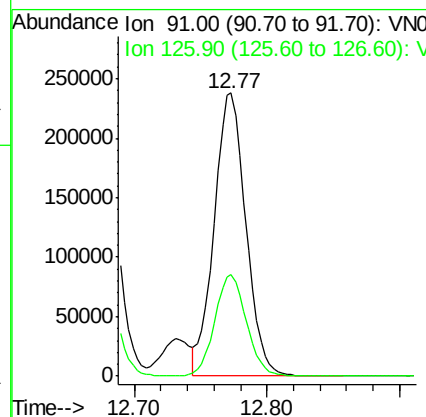
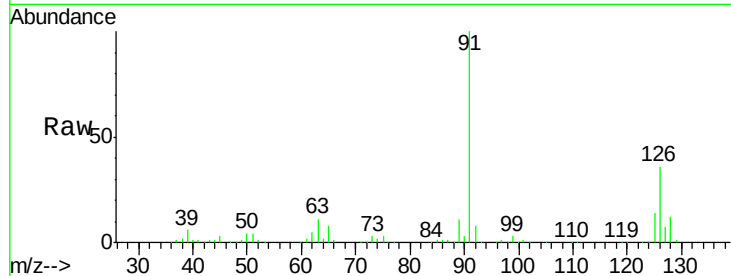
126 35.9 17.8 53.3

Manual Integrations

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#83

tert-Butylbenzene

Concen: 54.705 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

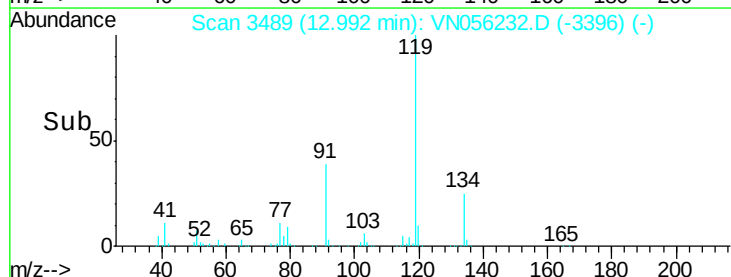
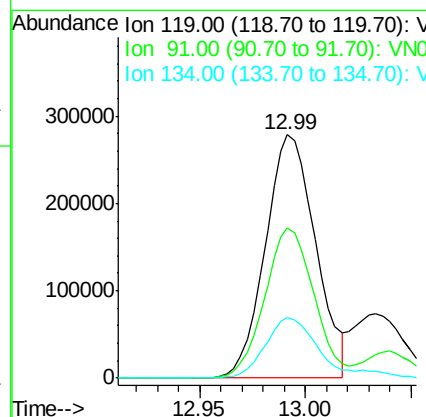
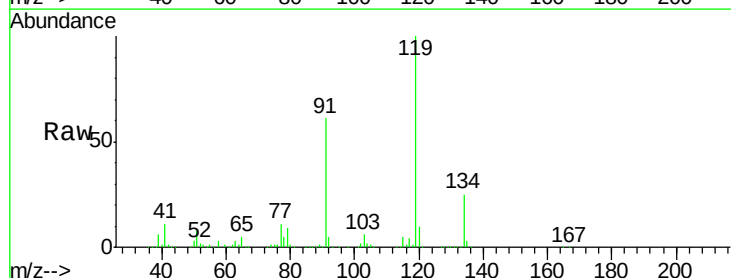
Tgt Ion: 119 Resp: 461931

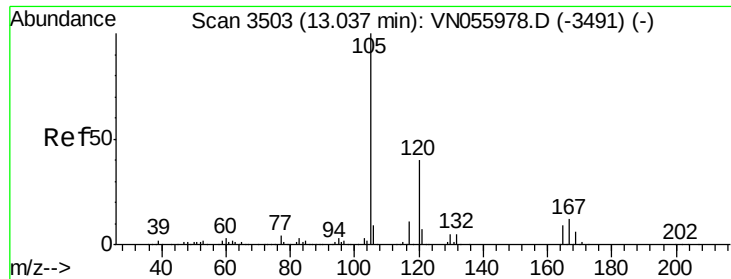
Ion Ratio Lower Upper

119 100

91 60.4 30.9 92.8

134 27.2 13.3 39.8





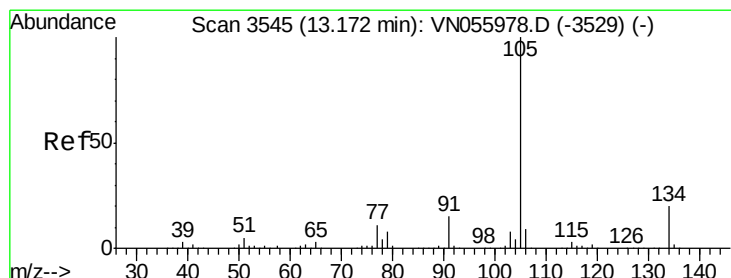
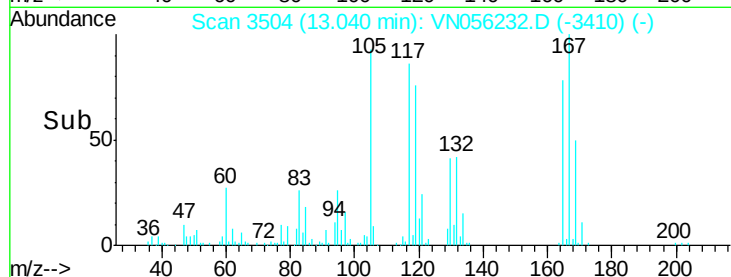
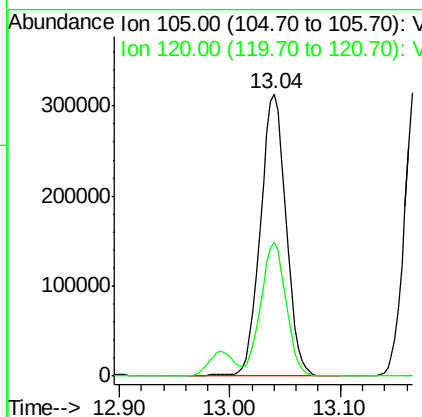
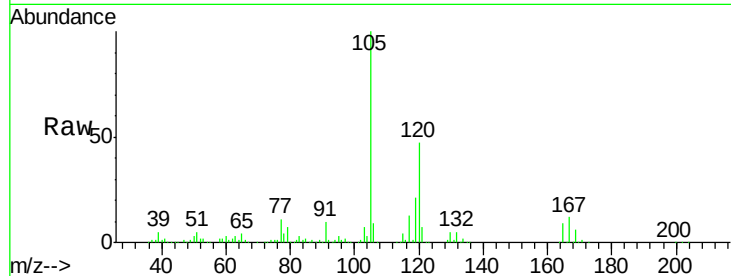
#84
 1,2,4-Trimethylbenzene
 Concen: 48.964 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion:105 Resp: 507710
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.0 69.0

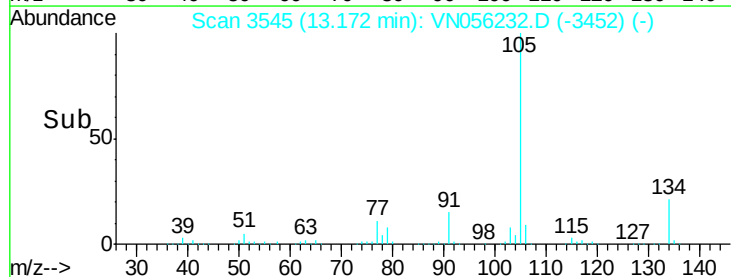
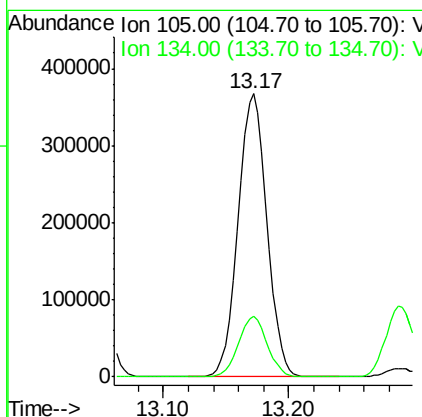
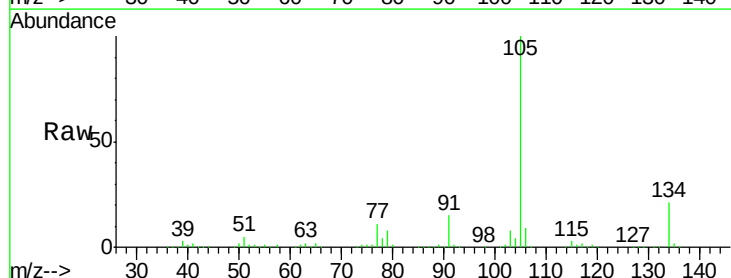
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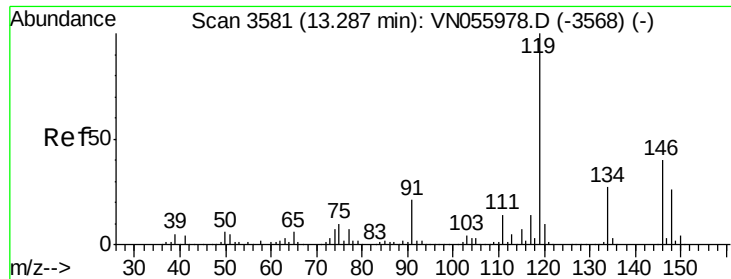
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#85
 sec-Butylbenzene
 Concen: 48.050 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion:105 Resp: 585450
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.4 31.2





#86

p-Isopropyltoluene

Concen: 48.314 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

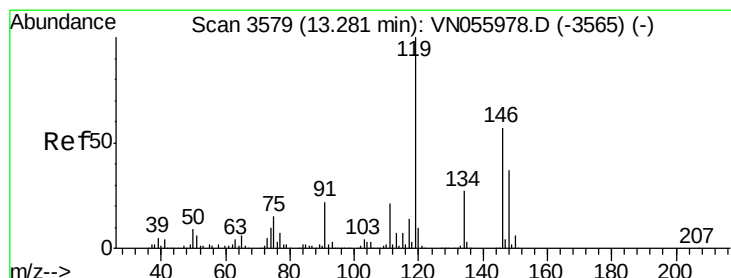
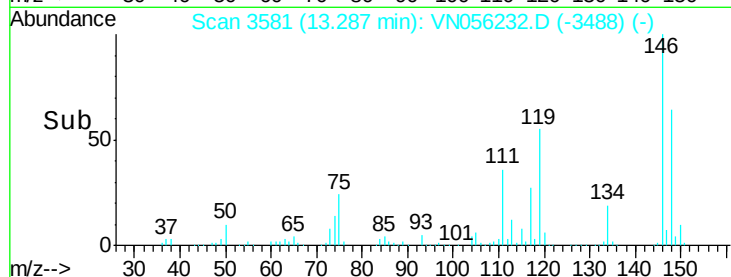
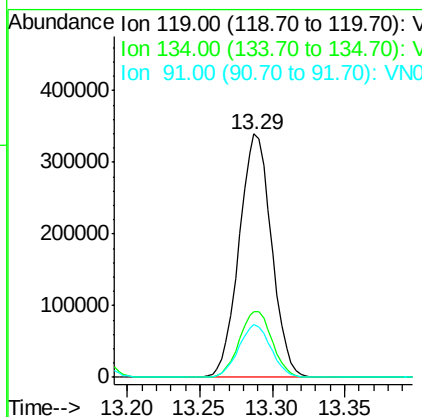
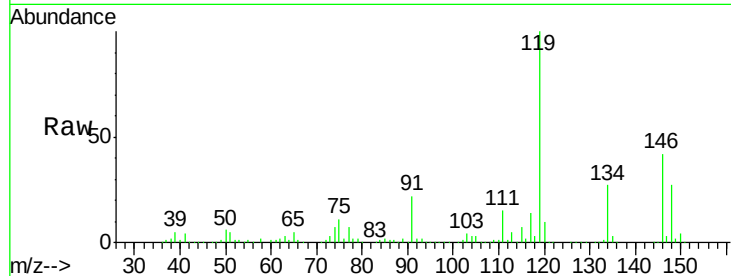
ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:	119	Resp:	526830
Ion Ratio	Lower	Upper	
119	100		
134	27.4	13.4	40.1
91	21.5	10.9	32.9

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#87

1,3-Dichlorobenzene

Concen: 50.410 ug/l

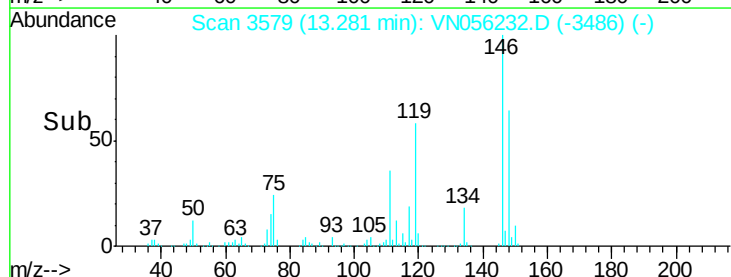
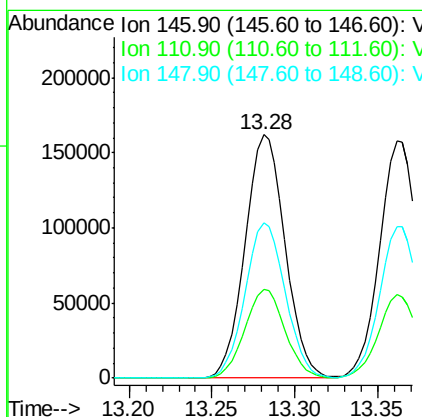
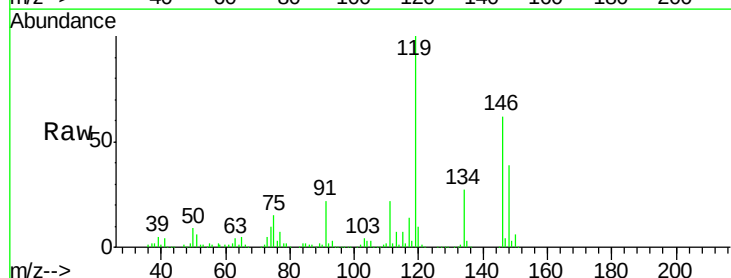
RT: 13.28 min Scan# 3579

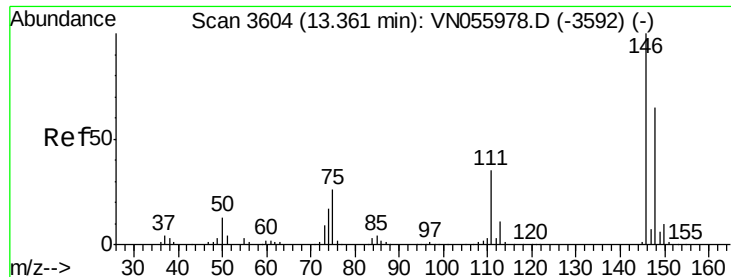
Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion:	146	Resp:	271653
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.5	55.5
148	64.2	32.0	96.2





#88

1,4-Dichlorobenzene

Concen: 50.063 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

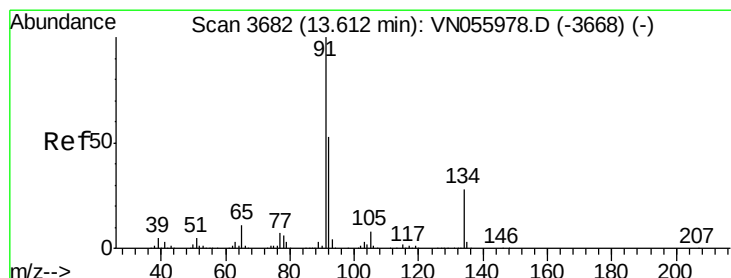
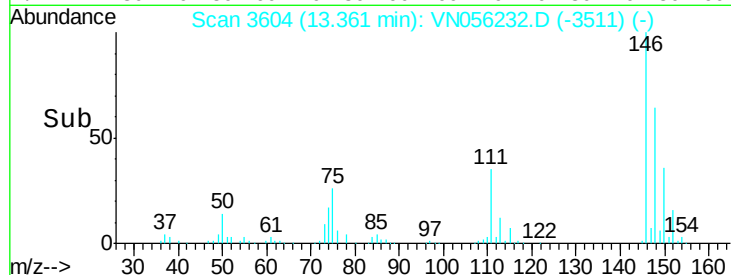
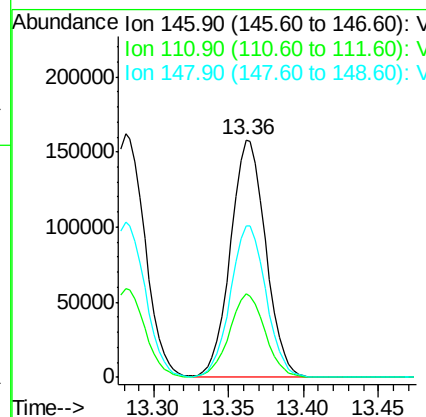
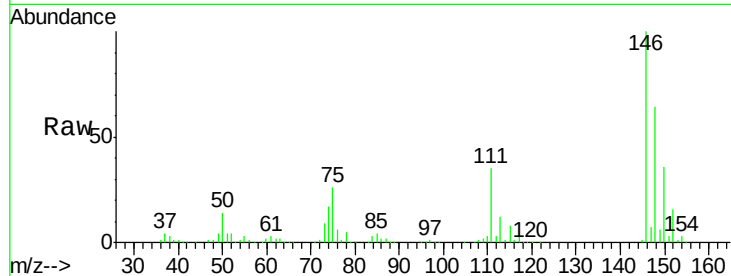
ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:	146	Resp:	259515
Ion Ratio	Lower	Upper	
146	100		
111	35.3	18.1	54.4
148	64.4	32.1	96.5

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#89

n-Butylbenzene

Concen: 47.881 ug/l

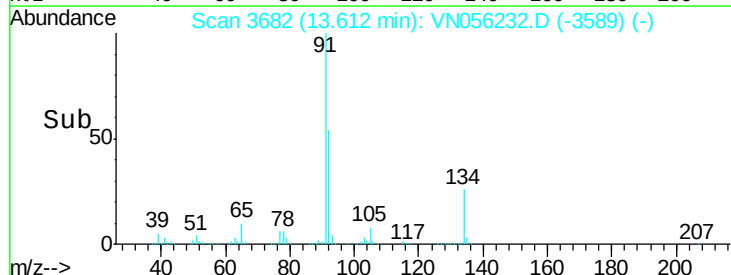
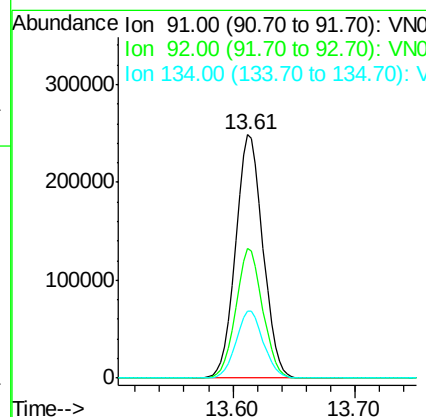
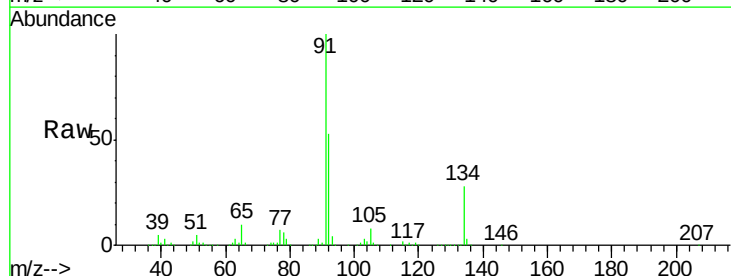
RT: 13.61 min Scan# 3682

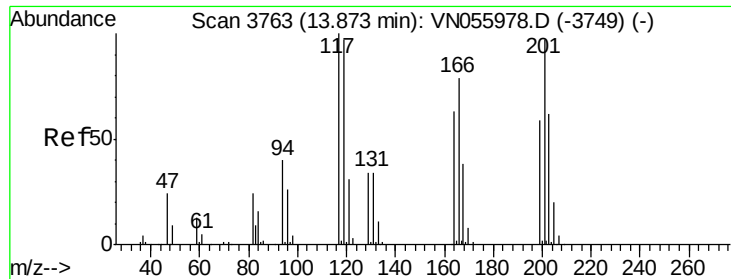
Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion:	91	Resp:	386775
Ion Ratio	Lower	Upper	
91	100		
92	52.4	26.4	79.0
134	27.7	13.9	41.7





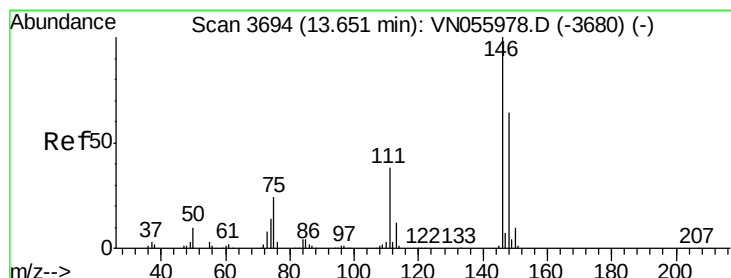
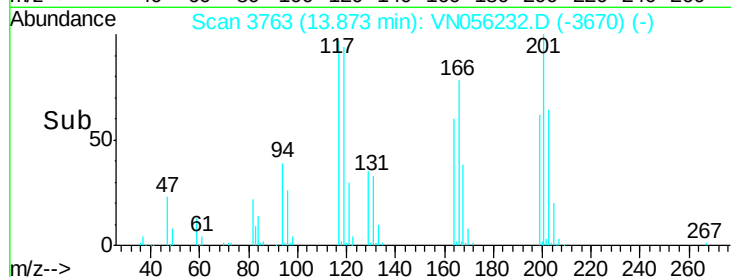
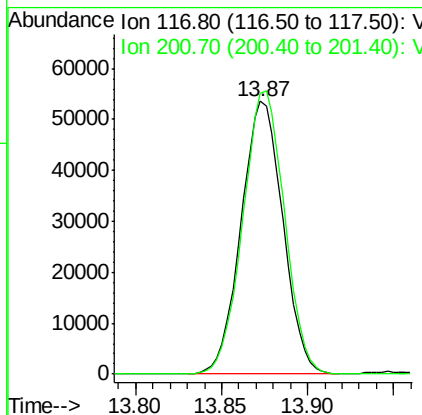
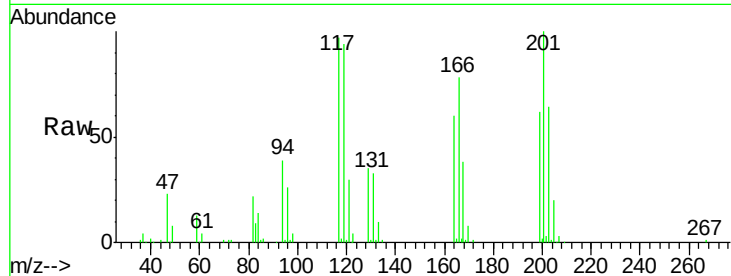
#90
Hexachloroethane
Concen: 54.860 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion:117 Resp: 90216
Ion Ratio Lower Upper
117 100
201 103.5 50.0 150.0

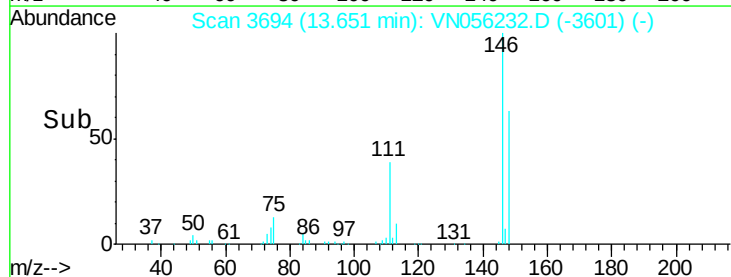
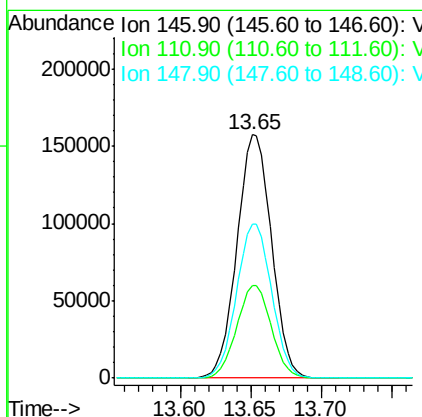
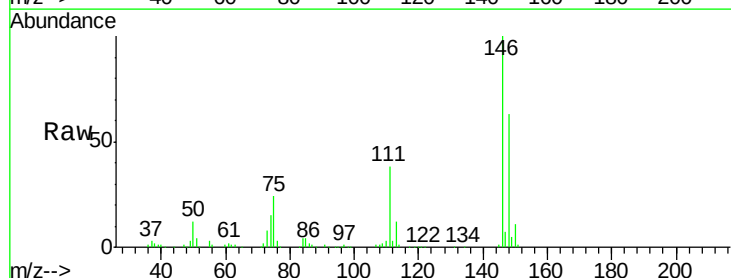
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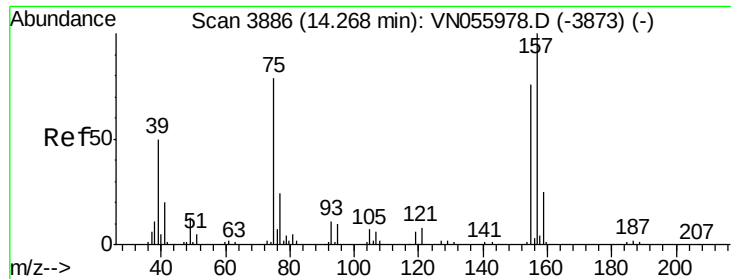
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#91
1,2-Dichlorobenzene
Concen: 49.879 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion:146 Resp: 271371
Ion Ratio Lower Upper
146 100
111 37.9 19.1 57.5
148 64.1 31.9 95.9





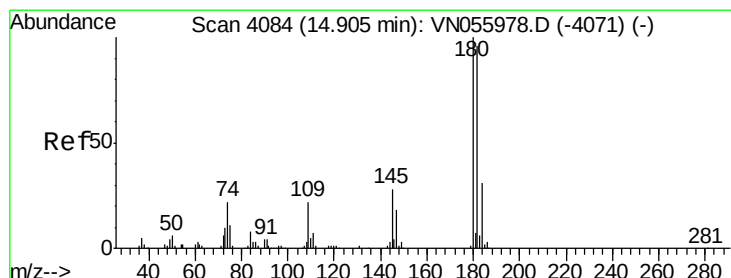
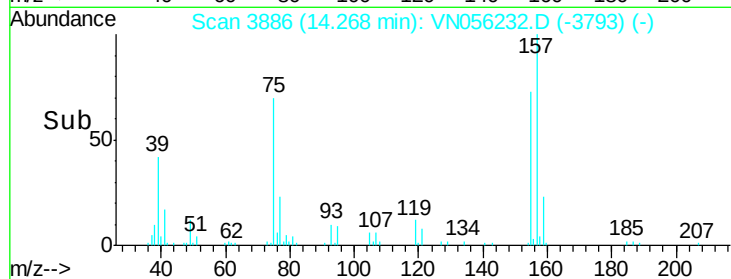
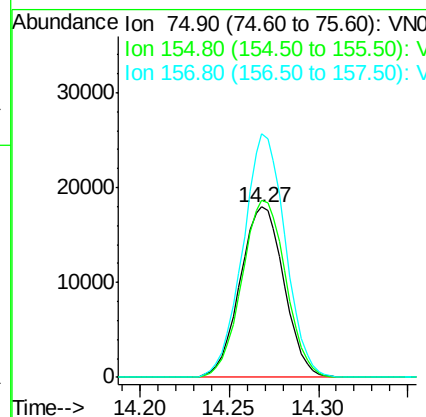
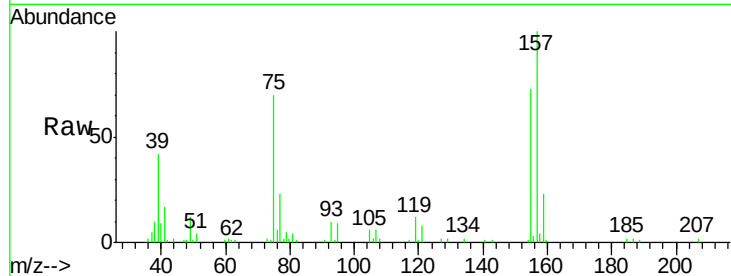
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.967 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	103.8	50.0	150.1
157	138.4	64.8	194.3

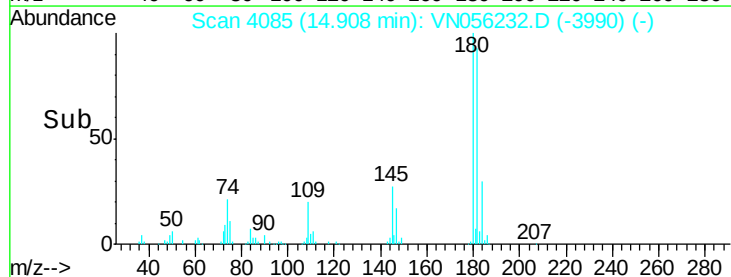
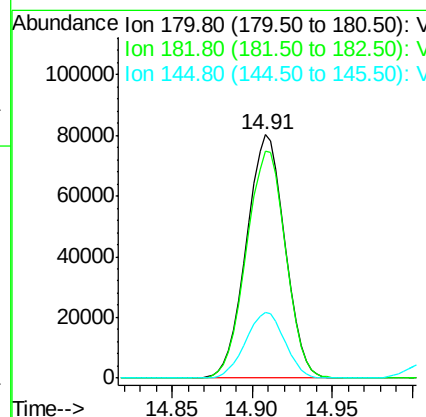
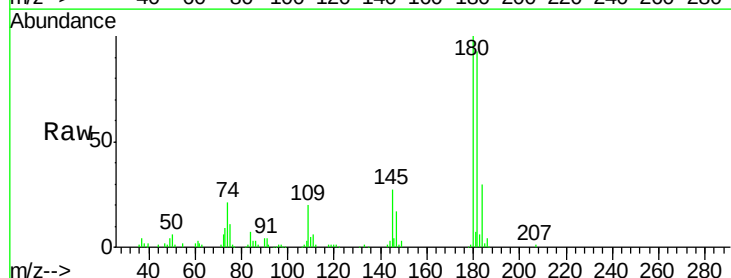
Manual Integrations
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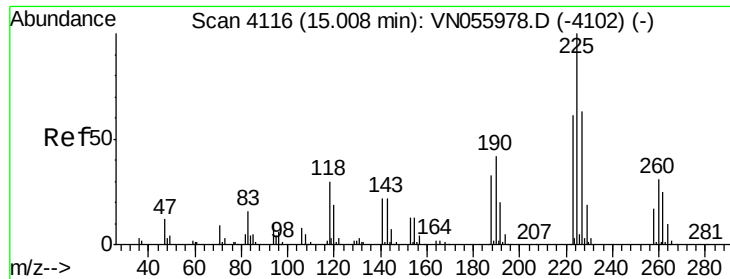
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#93
 1,2,4-Trichlorobenzene
 Concen: 44.429 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.3	144.9
145	27.5	14.0	41.9





#94

Hexachlorobutadiene

Concen: 55.176 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

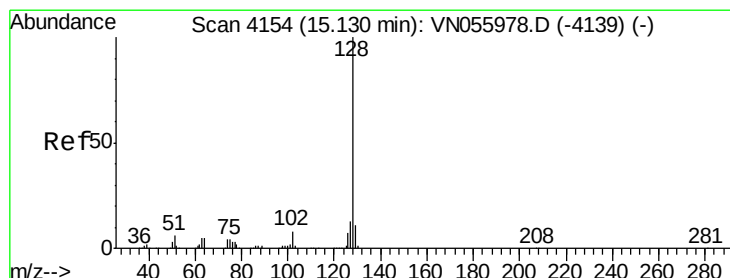
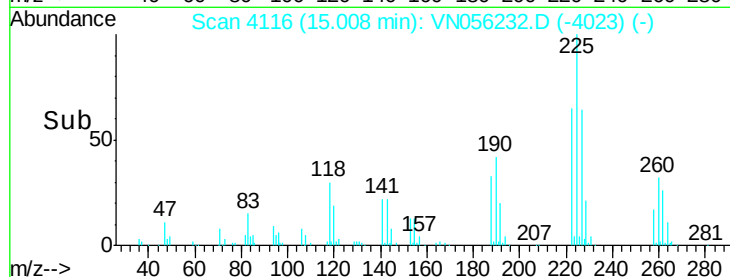
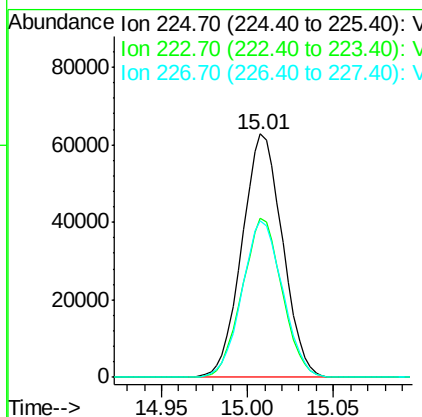
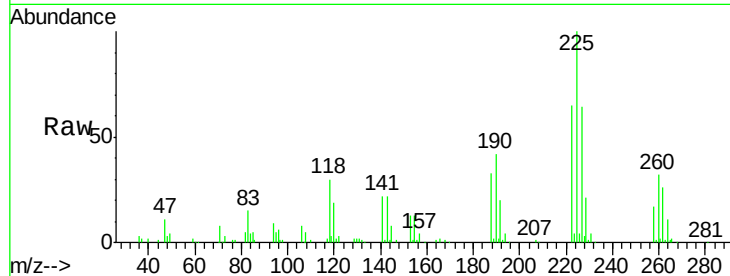
ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

Tot Ion:	225	Resp:	102556
Ion Ratio		Lower	Upper
225	100		
223	64.3	30.9	92.7
227	64.5	31.6	94.7

Manual Integrations
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6/12/2019 11:11:40 AM



#95

Naphthalene

Concen: 44.781 ug/l

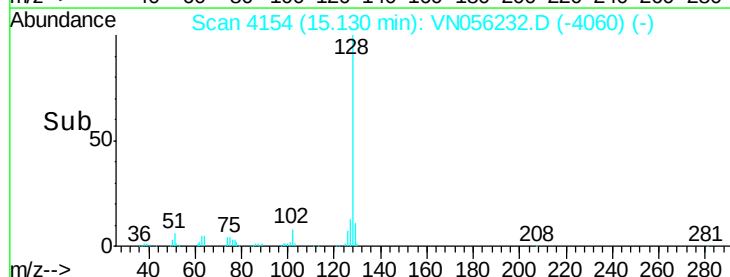
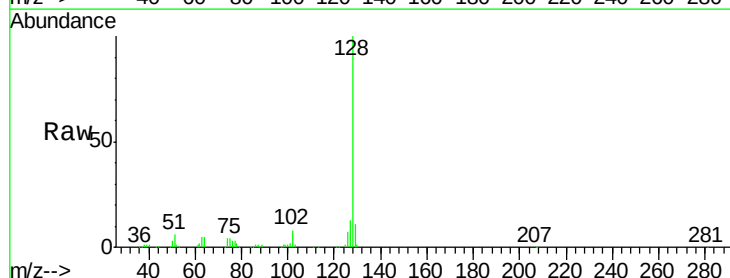
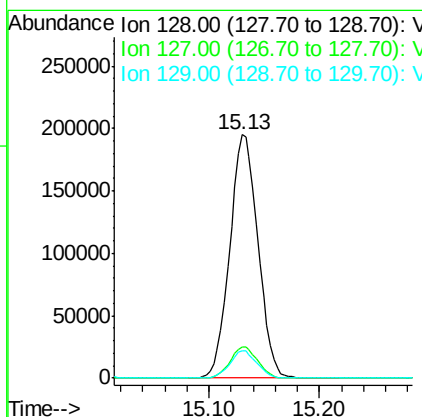
RT: 15.13 min Scan# 4154

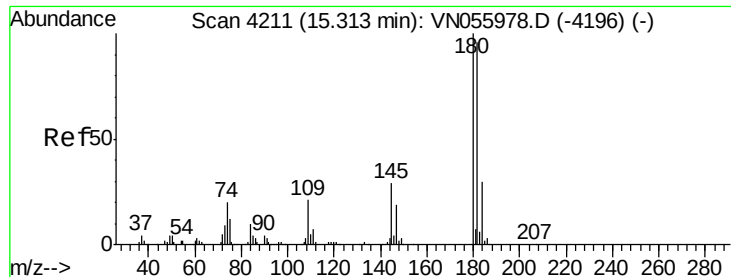
Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion:	128	Resp:	344939
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 48.335 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.1	47.9	143.7
145	29.3	14.9	44.7

Manual Integrations
 APPROVED

MMDadoda
 6/12/2019 11:11:40 AM

