

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055473.D
 Acq On : 8 May 2019 7:01
 Operator : JC/SP
 Sample : K2717-10MS
 Misc : 4.72g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:18:46 AM

Quant Time: May 08 08:46:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	536641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	857608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	739935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341479	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	364857	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.59	113	278338	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.09	98	1001032	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.40	95	364207	57.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	297279	45.214	ug/l	100
3) Chloromethane	2.06	50	325693	40.004	ug/l	99
4) Vinyl Chloride	2.19	62	282142	42.991	ug/l	100
5) Bromomethane	2.52	94	130100	37.426	ug/l	99
6) Chloroethane	2.66	64	156237	43.946	ug/l	99
7) Trichlorofluoromethane	3.00	101	412663	44.220	ug/l	99
8) Diethyl Ether	3.41	74	180517	55.290	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	279334	50.267	ug/l	99
10) Methyl Iodide	3.95	142	350170	44.775	ug/l	99
11) Tert butyl alcohol	4.83	59	130681	325.124	ug/l #	94
12) 1,1-Dichloroethene	3.73	96	246338	46.469	ug/l	94
13) Acrolein	3.61	56	84962	270.664	ug/l	99
14) Allyl chloride	4.32	41	523774	47.706	ug/l	99
15) Acrylonitrile	4.99	53	660453	292.330	ug/l	99
16) Acetone	3.82	43	517548	236.594	ug/l	98
17) Carbon Disulfide	4.05	76	485485	35.092	ug/l	98
18) Methyl Acetate	4.33	43	387085	73.119	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	879340	59.005	ug/l	100
20) Methylene Chloride	4.55	84	310570	46.514	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	263069	46.857	ug/l	97
22) Diisopropyl ether	5.95	45	1280797	58.713	ug/l	98
23) Vinyl Acetate	5.90	43	4057369	283.788	ug/l	99
24) 1,1-Dichloroethane	5.85	63	604387	51.999	ug/l	99
25) 2-Butanone	6.84	43	822556	294.031	ug/l	97
26) 2,2-Dichloropropane	6.83	77	229357	28.576	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	328061	51.384	ug/l	98
28) Bromochloromethane	7.19	49	270454	46.162	ug/l	96
29) Tetrahydrofuran	7.21	42	548897	306.419	ug/l	98
30) Chloroform	7.37	83	580596	52.695	ug/l	99
31) Cyclohexane	7.65	56	513970	46.543	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	458492	51.273	ug/l	100
36) 1,1-Dichloropropene	7.79	75	408452	49.723	ug/l	99
37) Ethyl Acetate	6.93	43	359390	57.084	ug/l	99
38) Carbon Tetrachloride	7.77	117	374474	47.258	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	460274	52.700	ug/l	99
40) Benzene	8.04	78	1226398	50.644	ug/l	100
41) Methacrylonitrile	7.18	41	232080	67.843	ug/l	93
42) 1,2-Dichloroethane	8.12	62	464859	54.199	ug/l	99
43) Isopropyl Acetate	8.17	43	633538	62.617	ug/l #	88
44) Trichloroethene	8.83	130	309393	50.118	ug/l	98
45) 1,2-Dichloropropane	9.12	63	373430	53.467	ug/l	97
46) Dibromomethane	9.21	93	199415	52.235	ug/l	98
47) Bromodichloromethane	9.40	83	438152	53.498	ug/l	98
48) Methyl methacrylate	9.20	41	305326	61.386	ug/l	99
49) 1,4-Dioxane	9.21	88	64461	1253.701	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1773922	311.411	ug/l	98
52) Toluene	10.16	92	729388	52.495	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	378746	53.271	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	462110	52.130	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	283918	55.028	ug/l	99
56) Ethyl methacrylate	10.43	69	402270	63.343	ug/l	98
57) 1,3-Dichloropropane	10.71	76	510947	56.450	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	597229	300.392	ug/l	100
59) 2-Hexanone	10.75	43	1144506	321.115	ug/l	98
60) Dibromochloromethane	10.90	129	297140	56.348	ug/l	99
61) 1,2-Dibromoethane	11.01	107	266322	55.845	ug/l	100
64) Tetrachloroethene	10.63	164	338148	55.883	ug/l	98
65) Chlorobenzene	11.43	112	768797	53.142	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	291412	51.444	ug/l	99
67) Ethyl Benzene	11.51	91	1424912	54.544	ug/l	98
68) m/p-Xylenes	11.62	106	1025419	109.967	ug/l	100
69) o-Xylene	11.95	106	507778	54.940	ug/l	99
70) Styrene	11.96	104	855858	60.310	ug/l	99
71) Bromoform	12.13	173	180159	57.316	ug/l #	100
73) Isopropylbenzene	12.25	105	1388845	51.190	ug/l	100
74) N-amyl acetate	12.07	43	518198	59.130	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	359431	53.336	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	308327m	48.501	ug/l	
77) Bromobenzene	12.53	156	329449	50.601	ug/l	97
78) n-propylbenzene	12.59	91	1602917	45.697	ug/l	100
79) 2-Chlorotoluene	12.67	91	961352	52.056	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1210494	45.217	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	70379	39.057	ug/l	88
82) 4-Chlorotoluene	12.77	91	955521	46.851	ug/l	98
83) tert-Butylbenzene	12.99	119	1027480	54.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1186470	49.555	ug/l	99
85) sec-Butylbenzene	13.17	105	1370402	47.097	ug/l	100
86) p-Isopropyltoluene	13.29	119	1216115	50.850	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	583129	51.032	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	563663	52.381	ug/l	99
89) n-Butylbenzene	13.62	91	1042727	61.358	ug/l	99
90) Hexachloroethane	13.88	117	185217	48.877	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	572598	50.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53984	60.091	ug/l	94

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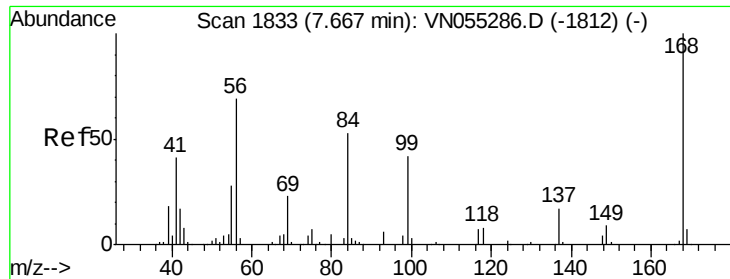
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	240121	53.530	ug/l	97
94) Hexachlorobutadiene	15.01	225	196327	58.061	ug/l	98
95) Naphthalene	15.13	128	493026	51.814	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	244042	55.214	ug/l	98

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



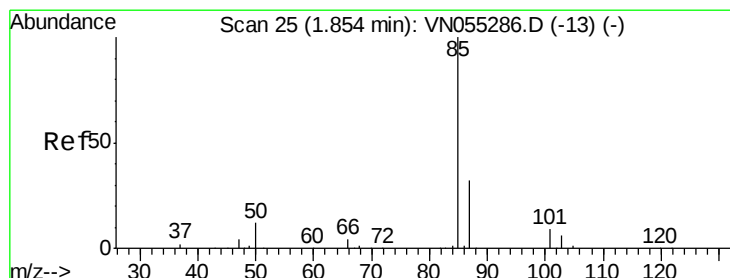
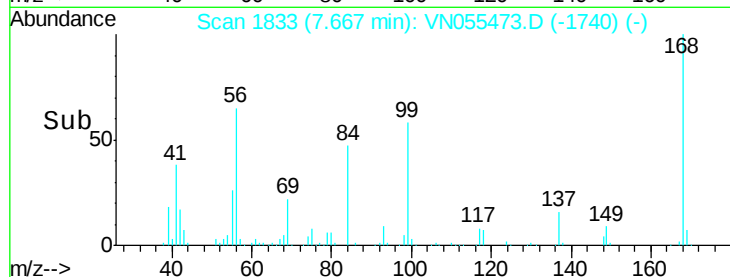
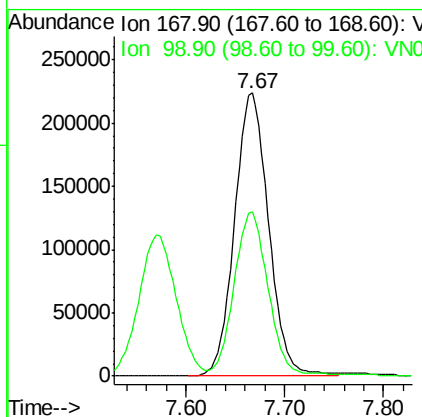
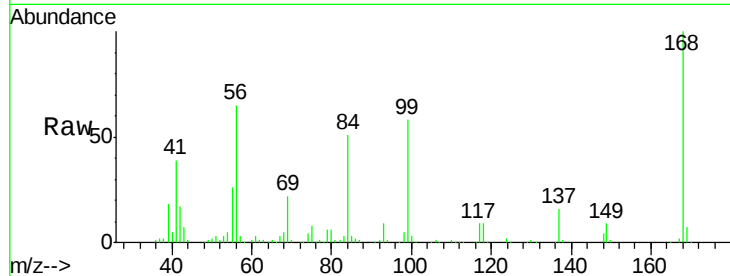
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion:168 Resp: 536641
Ion Ratio Lower Upper
168 100
99 57.4 43.6 65.4

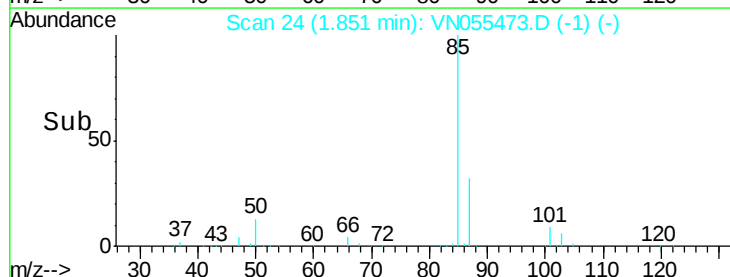
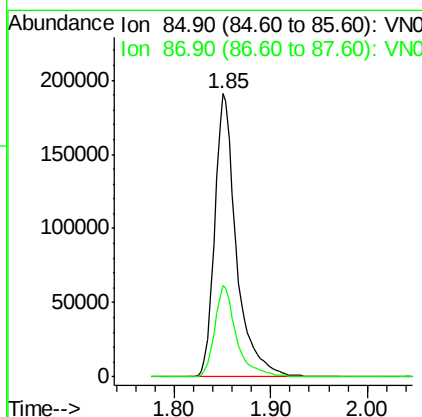
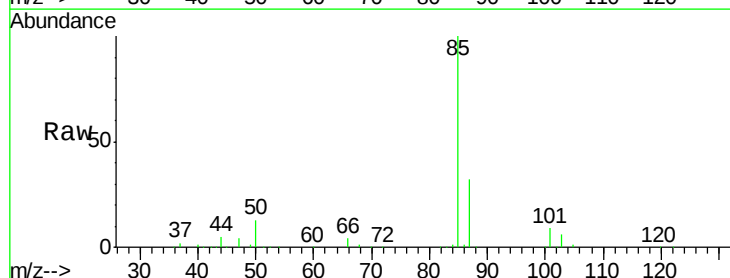
Manual Integrations
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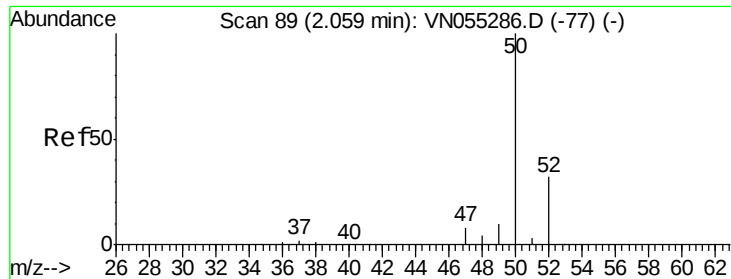
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#2
Dichlorodifluoromethane
Concen: 45.214 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion: 85 Resp: 297279
Ion Ratio Lower Upper
85 100
87 32.1 16.1 48.3





#3

Chloromethane

Concen: 40.004 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 50 Resp: 325693

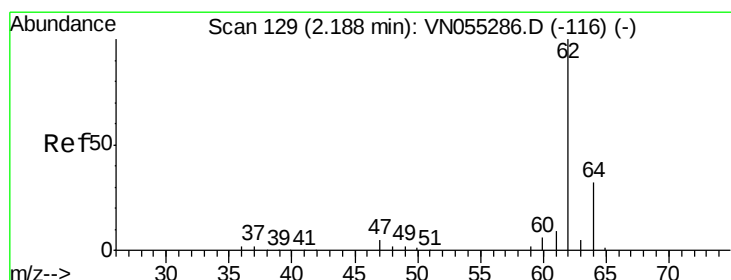
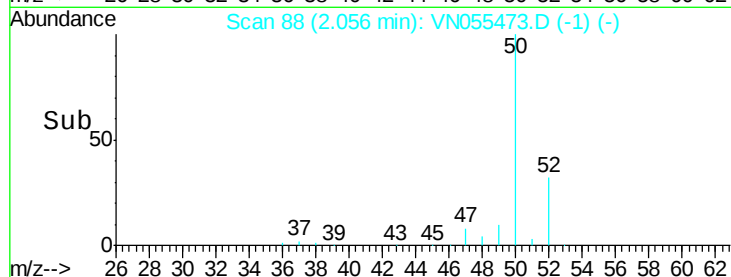
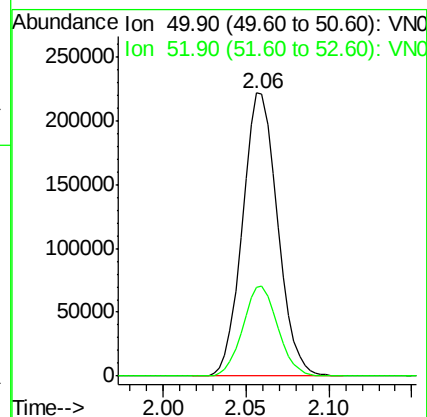
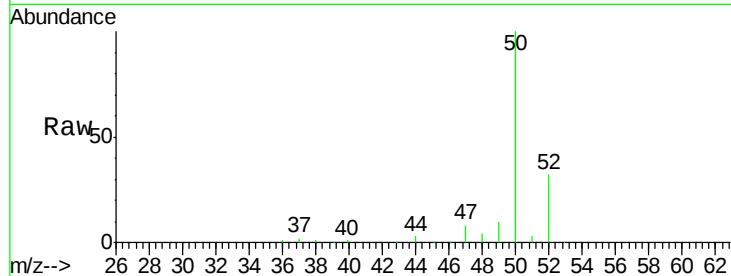
Ion Ratio Lower Upper

50 100

52 31.6 25.7 38.5

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#4

Vinyl Chloride

Concen: 42.991 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055473.D

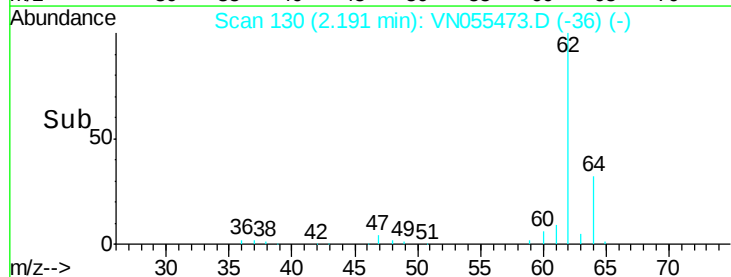
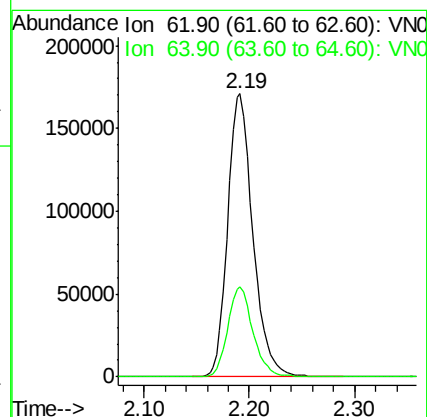
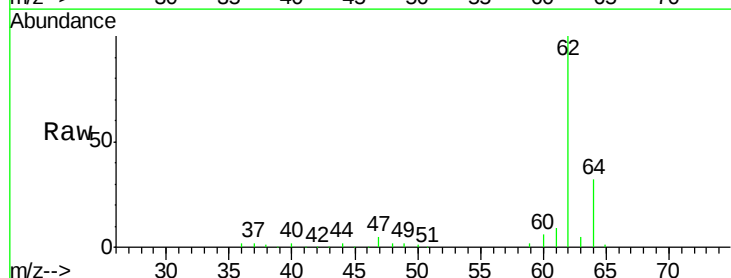
Acq: 8 May 2019 7:01

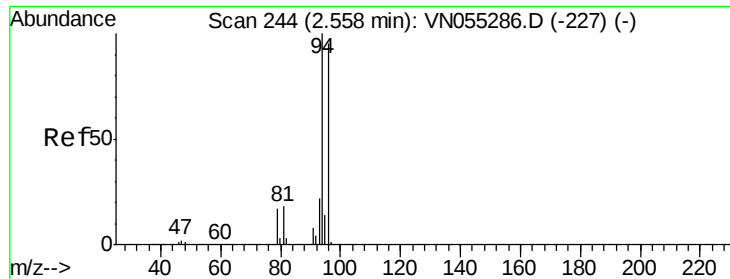
Tgt Ion: 62 Resp: 282142

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 37.426 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.04 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

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ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 94 Resp: 130100

Ion Ratio Lower Upper

94 100

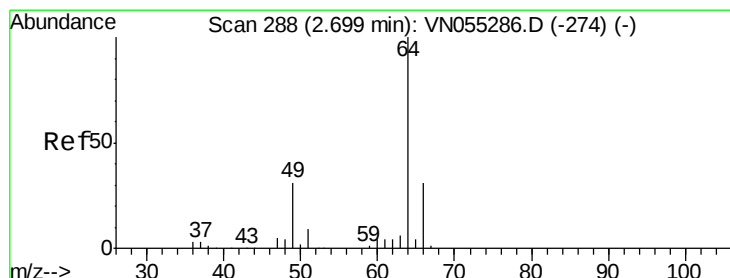
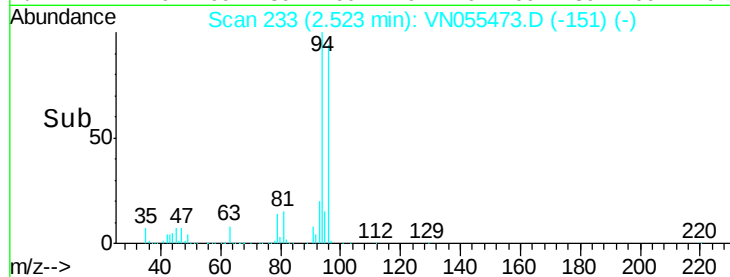
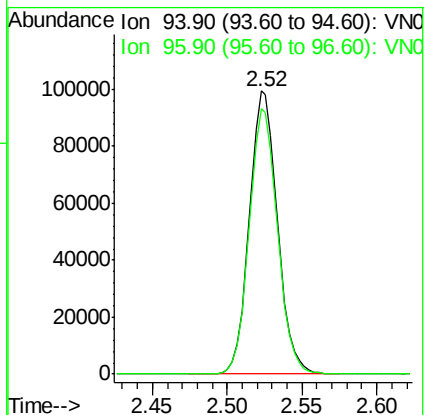
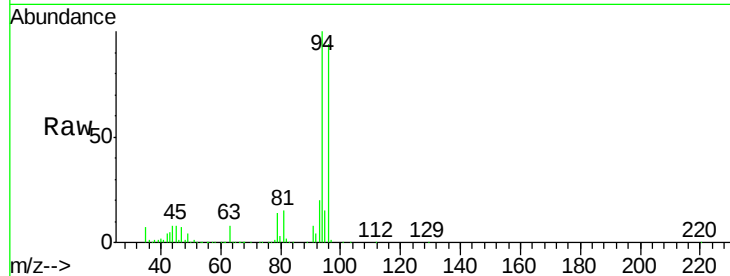
96 93.7 76.0 114.0

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#6

Chloroethane

Concen: 43.946 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.04 min

Lab File: VN055473.D

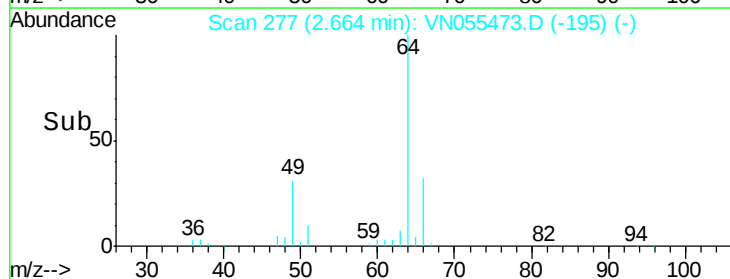
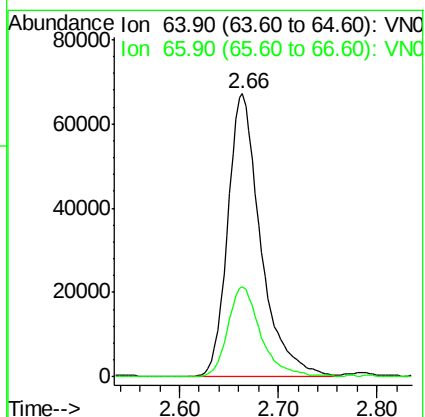
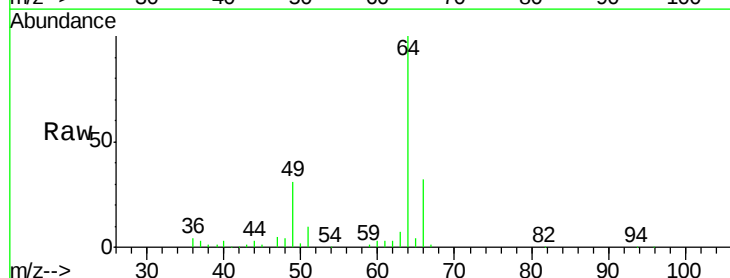
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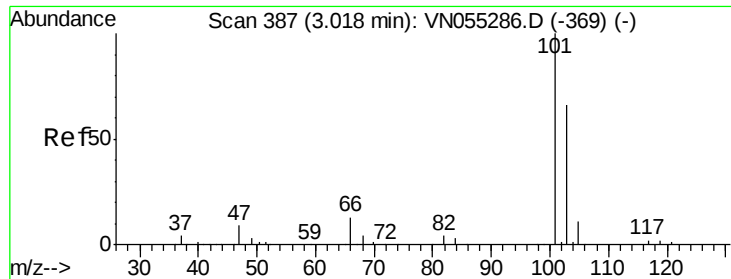
Tgt Ion: 64 Resp: 156237

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.4





#7

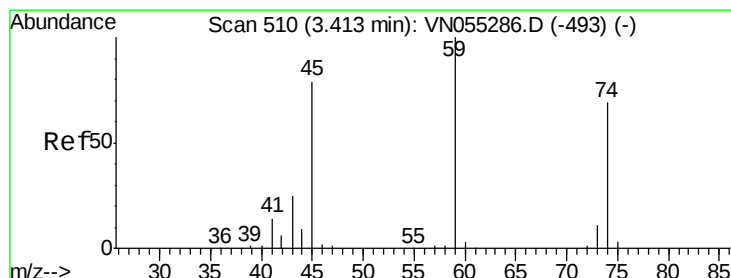
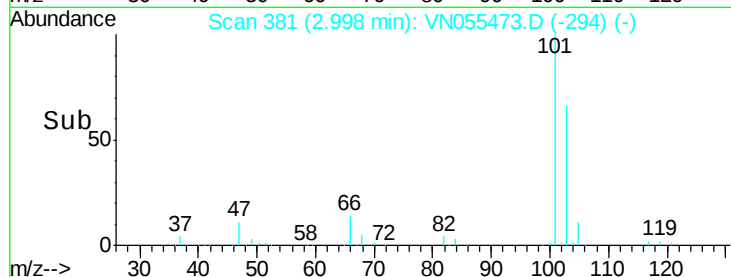
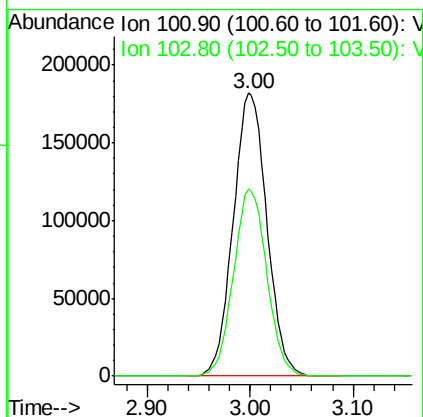
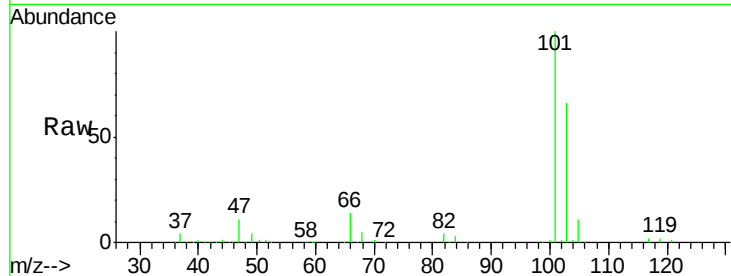
Trichlorofluoromethane
 Concen: 44.220 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
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Tot Ion: 101 Resp: 412663
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.6 79.0

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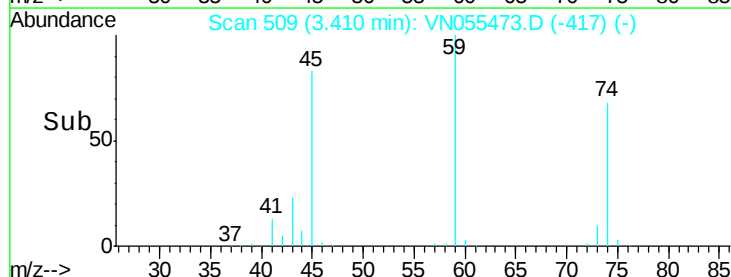
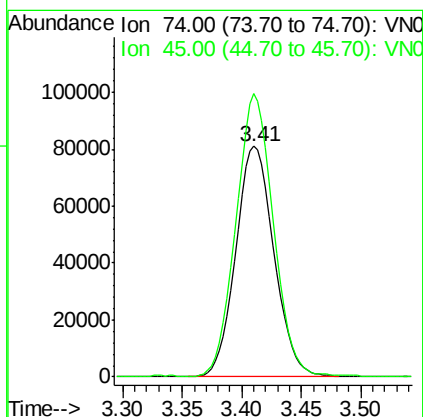
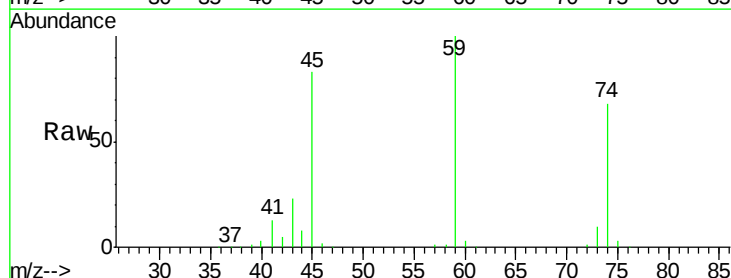
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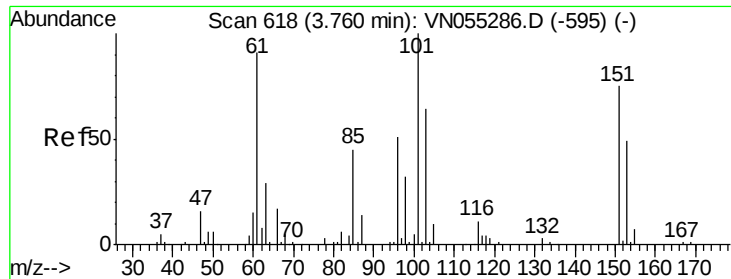


#8

Diethyl Ether
 Concen: 55.290 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion: 74 Resp: 180517
 Ion Ratio Lower Upper
 74 100
 45 119.1 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.267 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

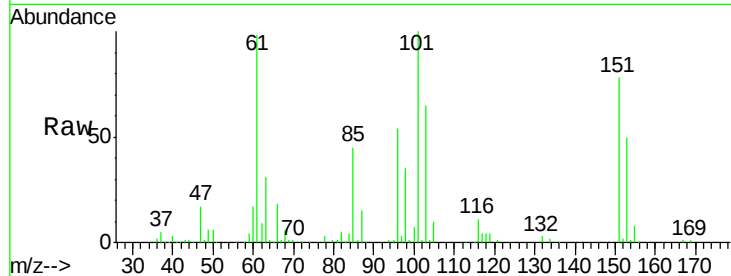
ClientSampleId :

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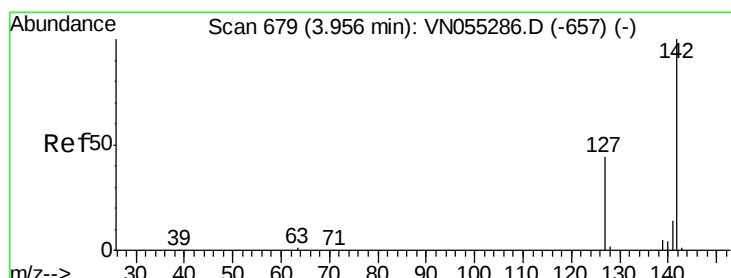
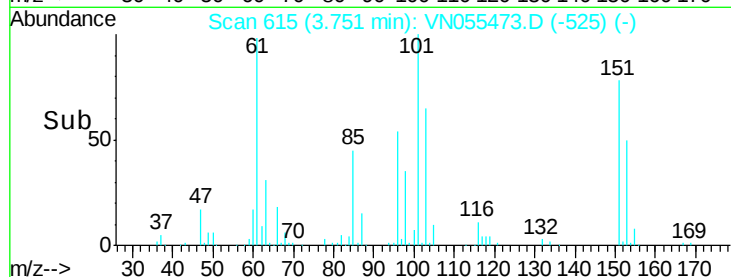
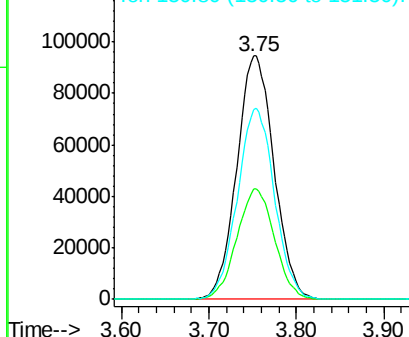
Tot Ion:	101	Resp:	279334
Ion Ratio	Lower	Upper	
101	100		
85	45.9	35.7	53.5
151	78.3	63.3	94.9

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



#10

Methyl Iodide

Concen: 44.775 ug/l

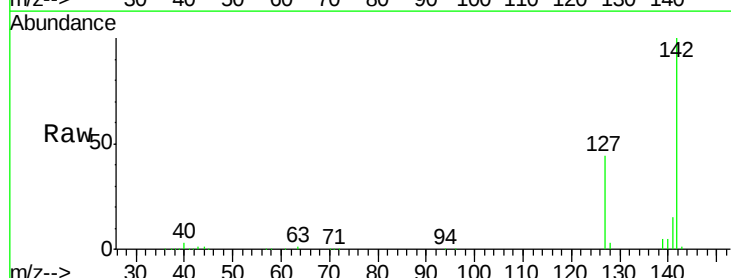
RT: 3.95 min Scan# 677

Delta R.T. -0.01 min

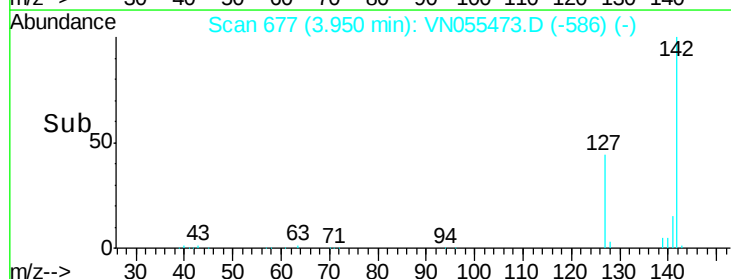
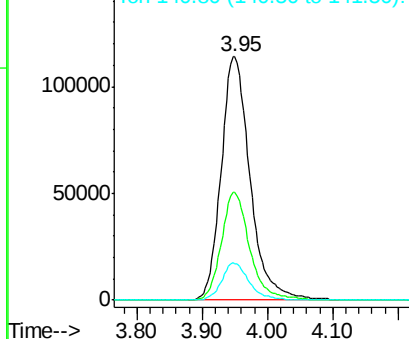
Lab File: VN055473.D

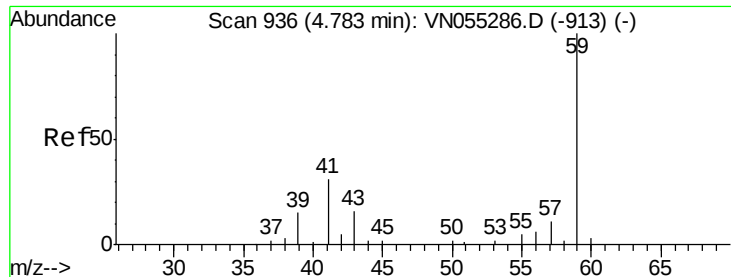
Acq: 8 May 2019 7:01

Tgt Ion:	142	Resp:	350170
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.4	51.6
141	14.6	11.5	17.3



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





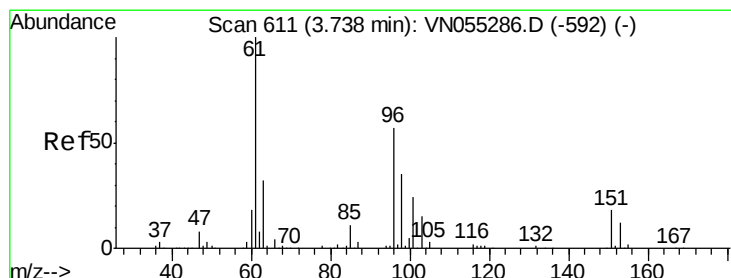
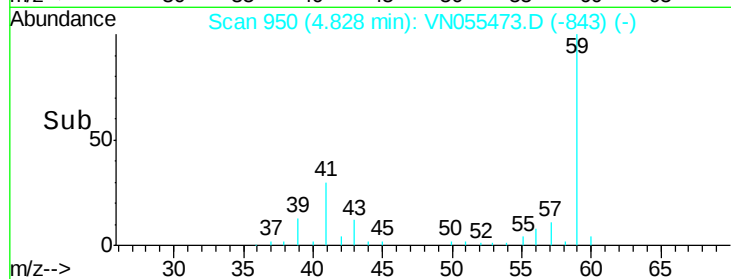
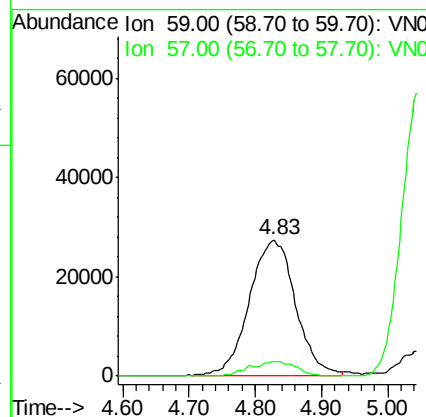
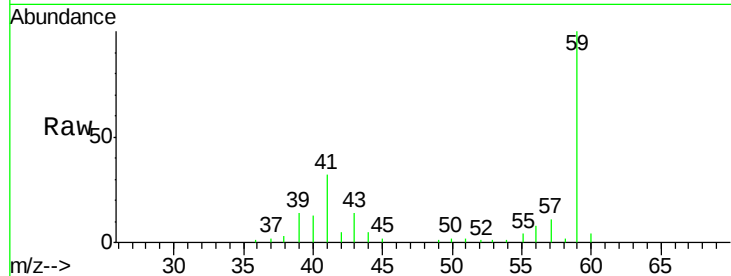
#11
Tert butyl alcohol
Concen: 325.124 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.05 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.9	8.2	12.2#

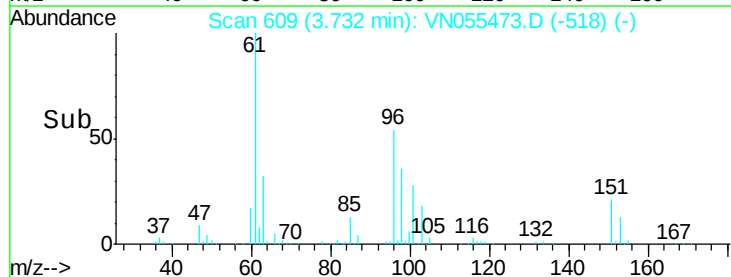
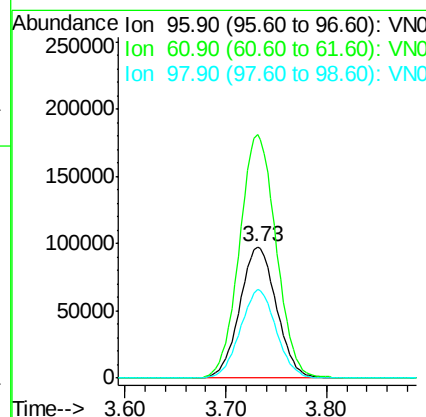
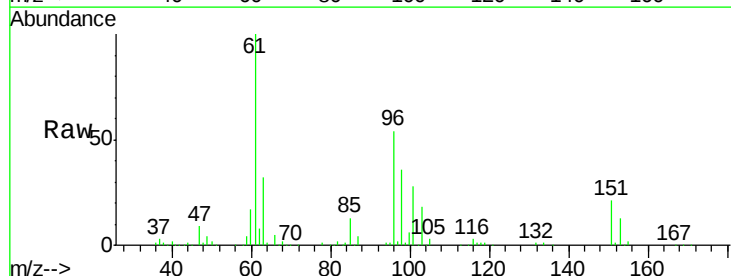
Manual Integrations
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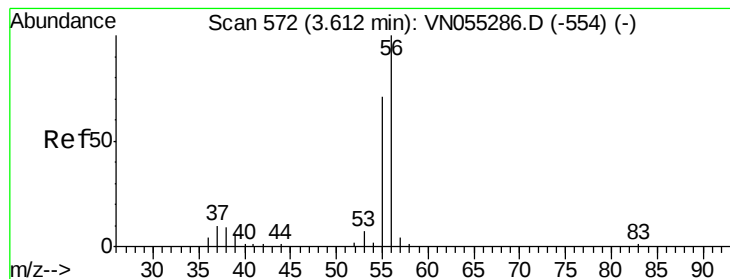
MMDadoda
5/8/2019 10:18:46 AM



#12
1,1-Dichloroethene
Concen: 46.469 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.01 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.1	140.9	211.3
98	67.0	50.0	75.0





#13

Acrolein

Concen: 270.664 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.01 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 56 Resp: 84962

Ion Ratio Lower Upper

56 100

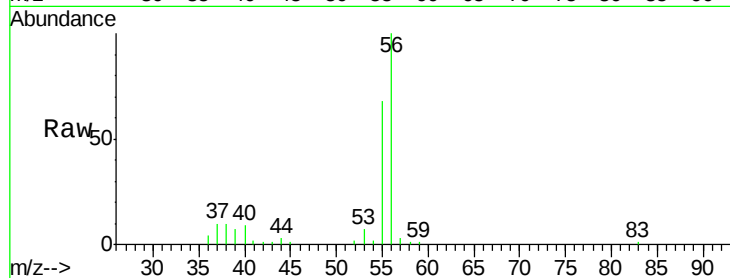
55 70.9 57.4 86.2

Manual Integrations

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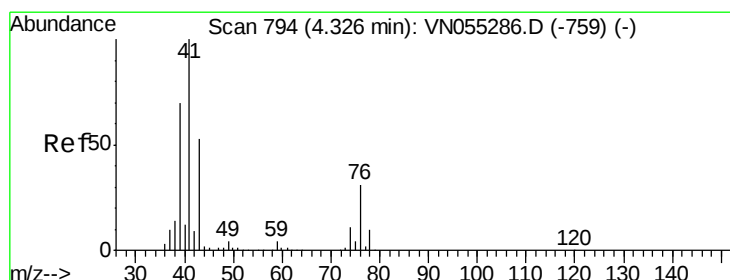
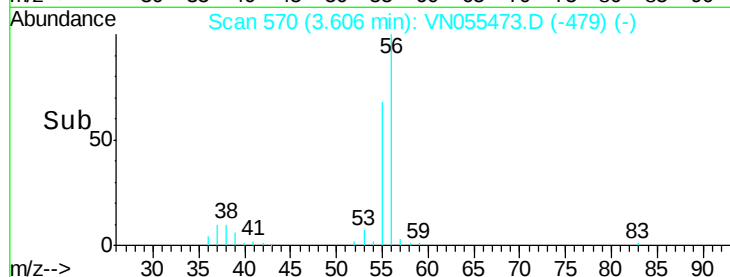
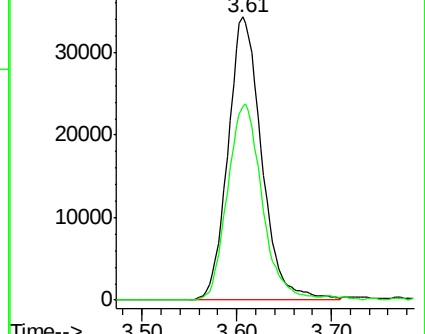
MMDadoda

5/8/2019 10:18:46 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 47.706 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

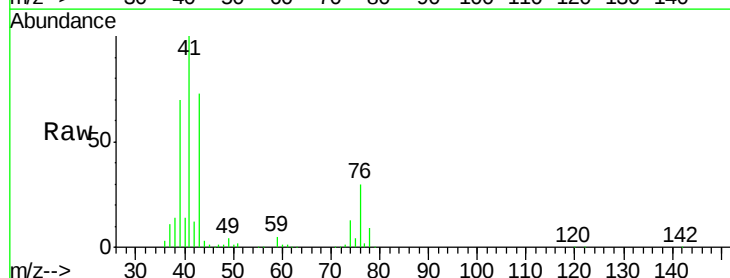
Tgt Ion: 41 Resp: 523774

Ion Ratio Lower Upper

41 100

39 65.9 53.0 79.6

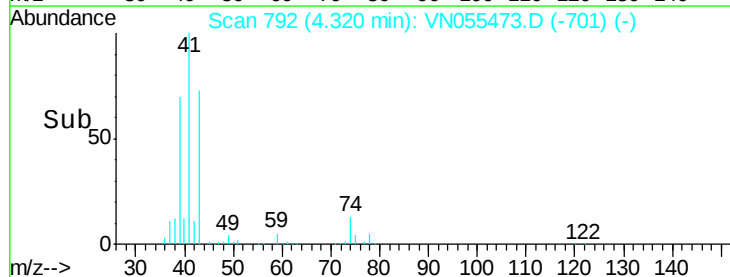
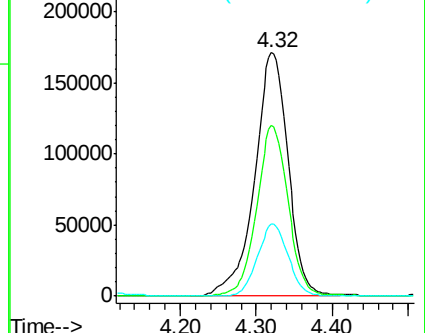
76 27.0 22.7 34.1

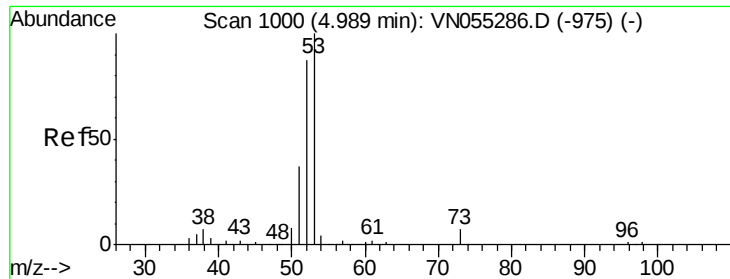


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





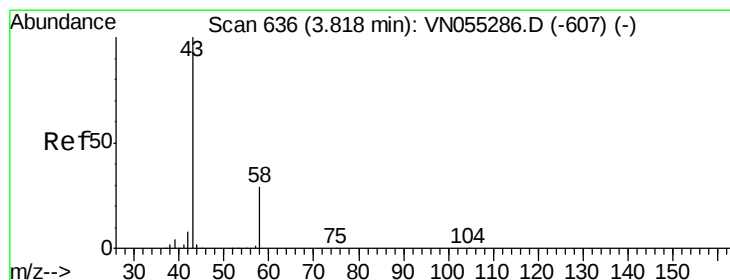
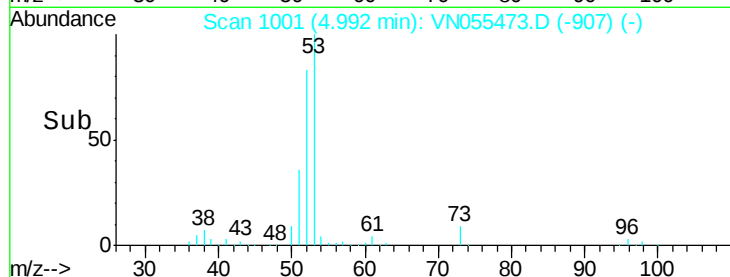
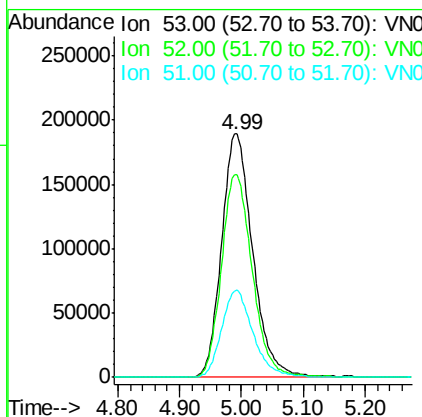
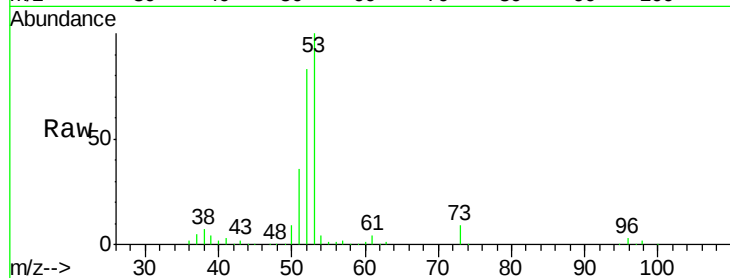
#15
 Acrylonitrile
 Concen: 292.330 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.5	99.7
51	36.3	29.6	44.4

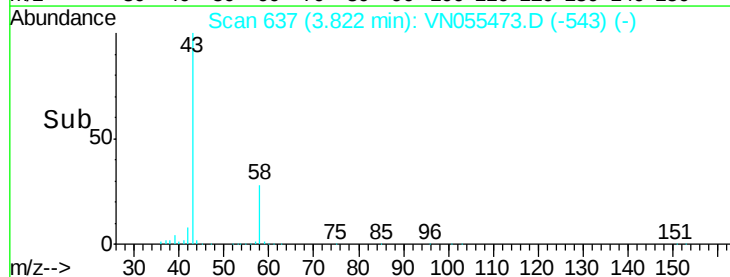
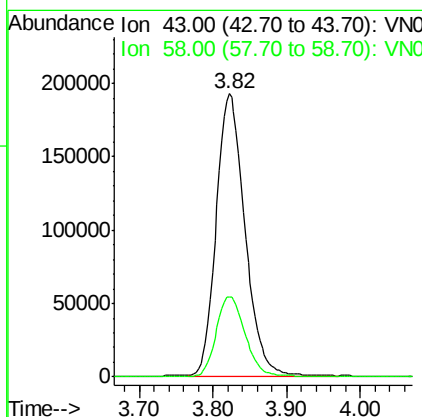
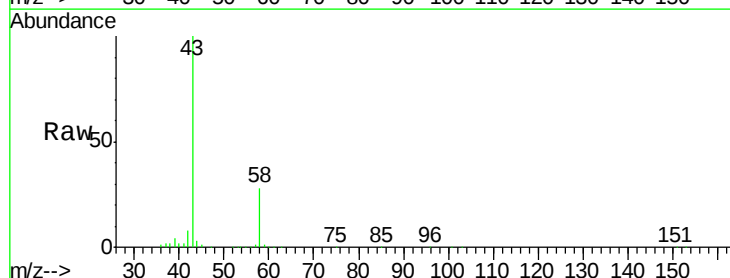
Manual Integrations
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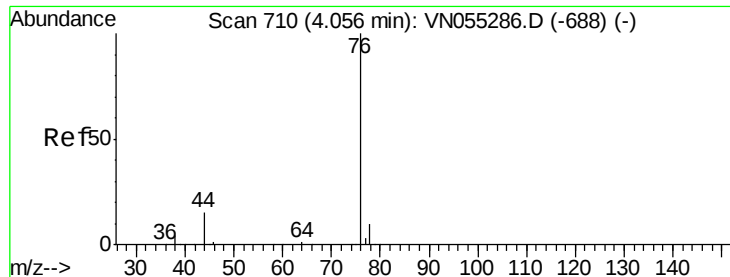
MMDadoda
 5/8/2019 10:18:46 AM



#16
 Acetone
 Concen: 236.594 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.6	35.4





#17

Carbon Disulfide

Concen: 35.092 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 76 Resp: 485485

Ion Ratio Lower Upper

76 100

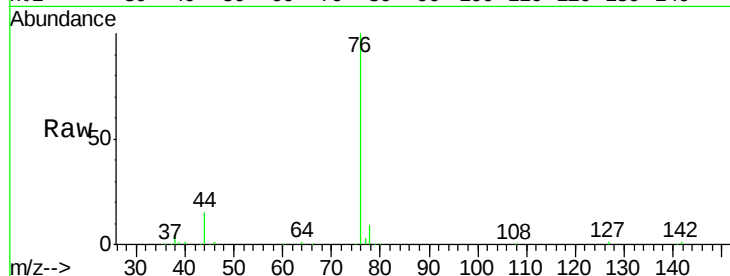
78 8.9 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

200000

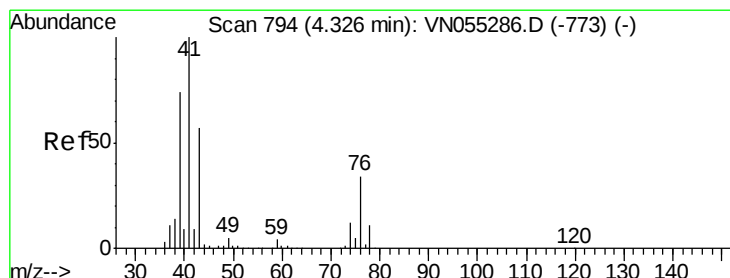
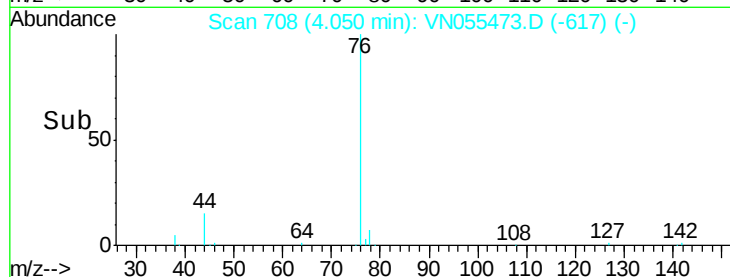
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 73.119 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055473.D

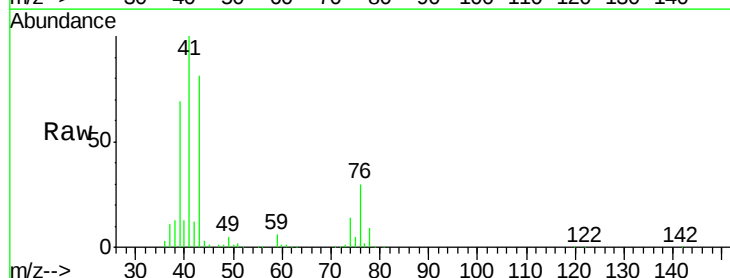
Acq: 8 May 2019 7:01

Tgt Ion: 43 Resp: 387085

Ion Ratio Lower Upper

43 100

74 18.7 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

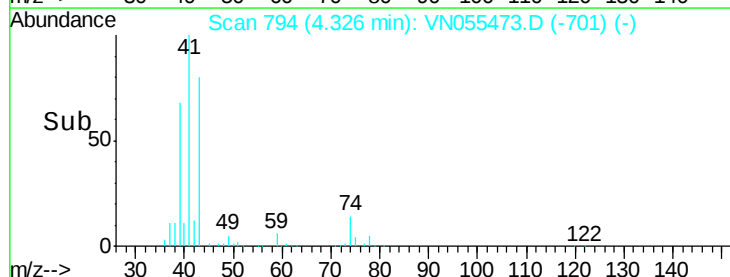
150000

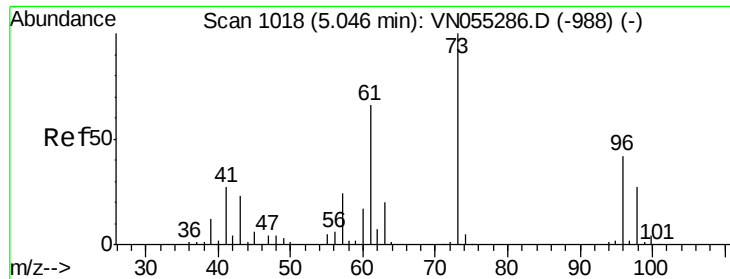
100000

50000

0

Time--> 4.20 4.30 4.40 4.50





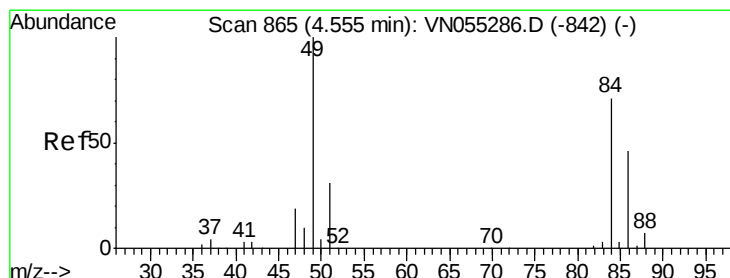
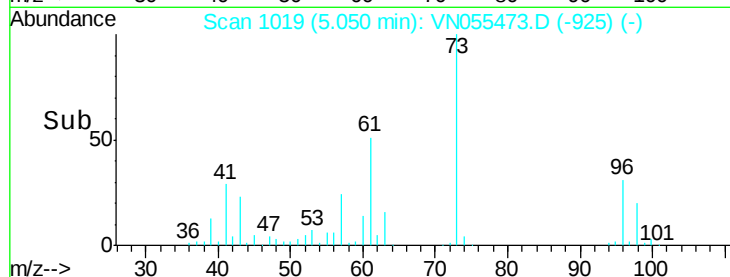
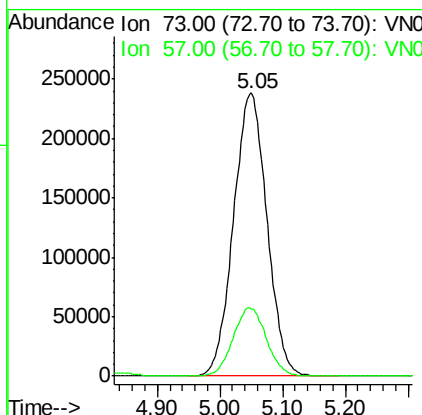
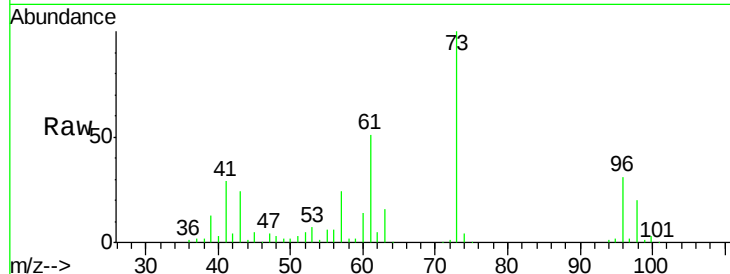
#19
Methvl tert-butvl Ether
Concen: 59.005 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 73 Resp: 879340
Ion Ratio Lower Upper
73 100
57 23.9 19.1 28.7

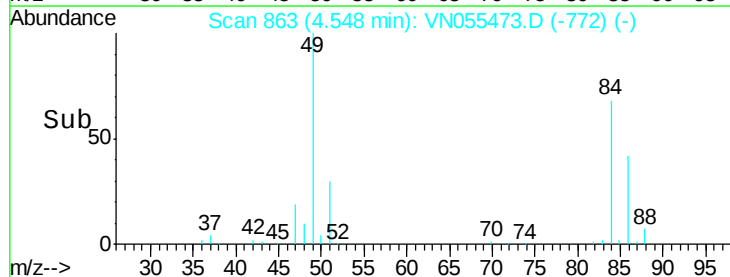
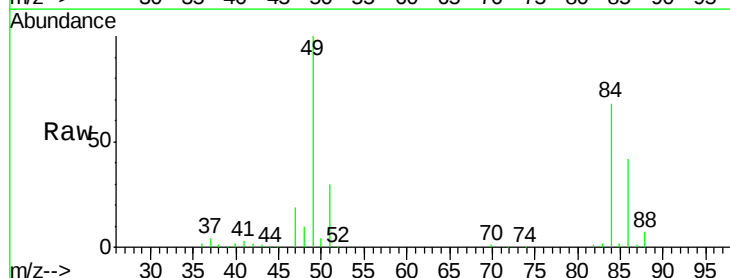
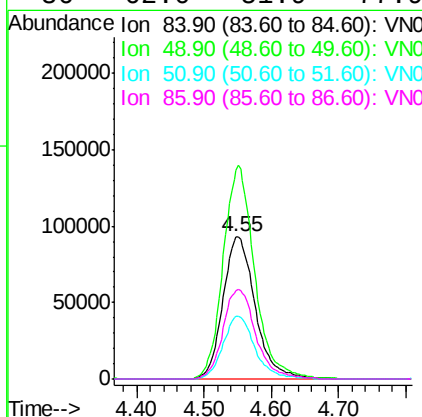
Manual Integrations
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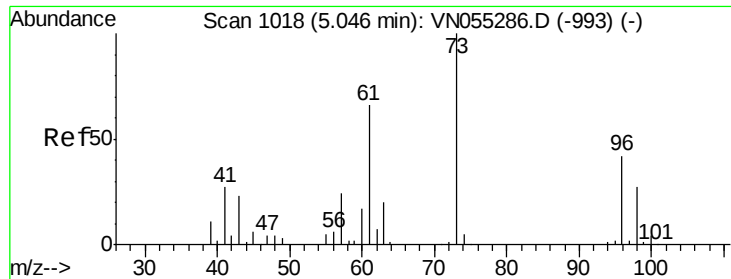
MMDadoda
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#20
Methylene Chloride
Concen: 46.514 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion: 84 Resp: 310570
Ion Ratio Lower Upper
84 100
49 146.9 112.4 168.6
51 43.9 34.6 51.8
86 62.0 51.9 77.9





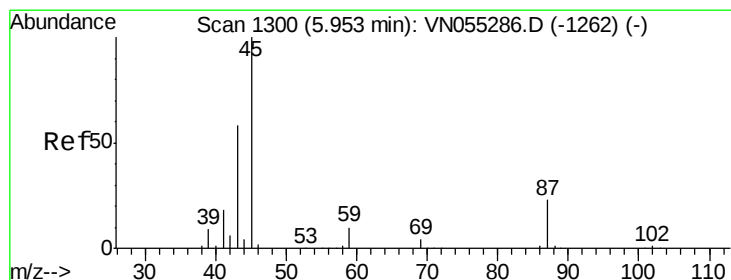
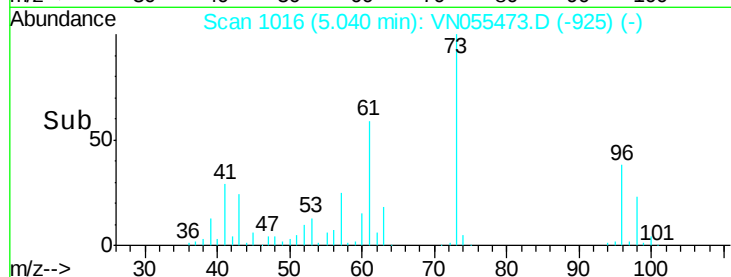
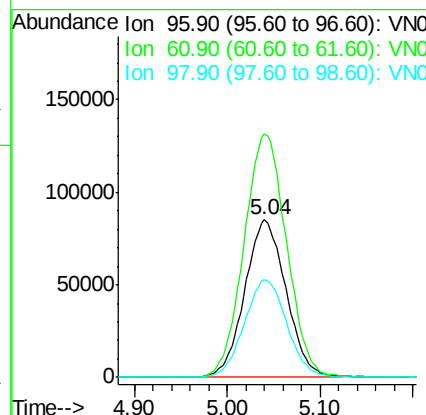
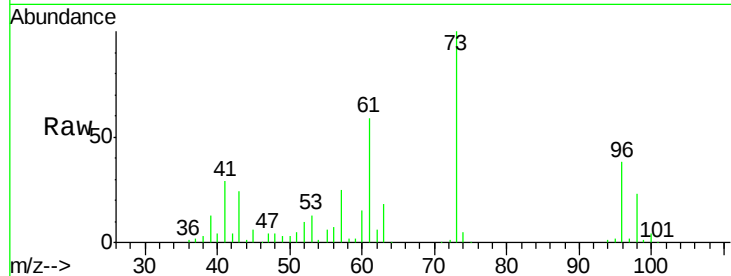
#21
trans-1,2-Dichloroethene
Concen: 46.857 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.5	126.2	189.4
98	62.0	52.2	78.2

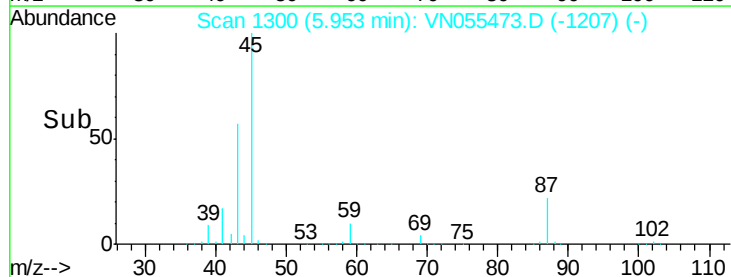
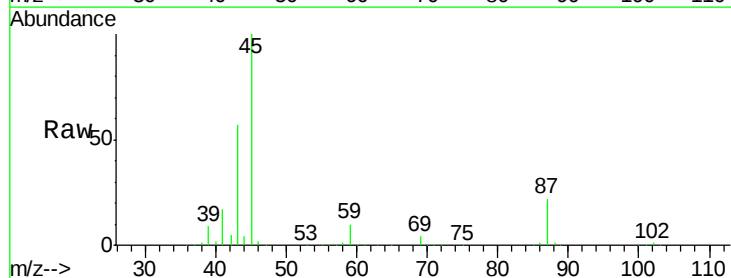
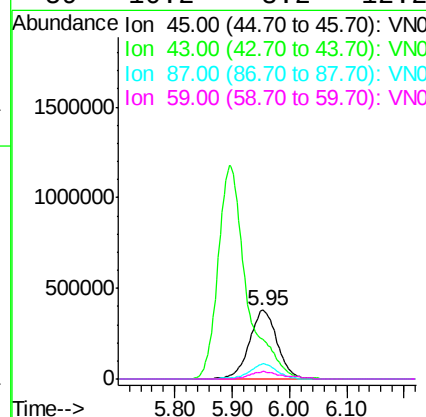
Manual Integrations
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MMDadoda
5/8/2019 10:18:46 AM



#22
Diisopropyl ether
Concen: 58.713 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.8	46.6	70.0
87	21.5	18.1	27.1
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 283.788 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 43 Resp: 4057369

Ion Ratio Lower Upper

43 100

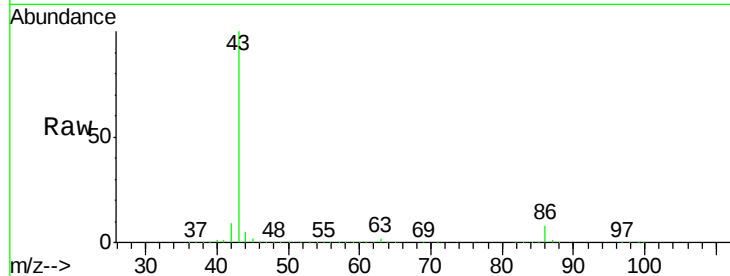
86 7.8 6.6 10.0

Manual Integrations

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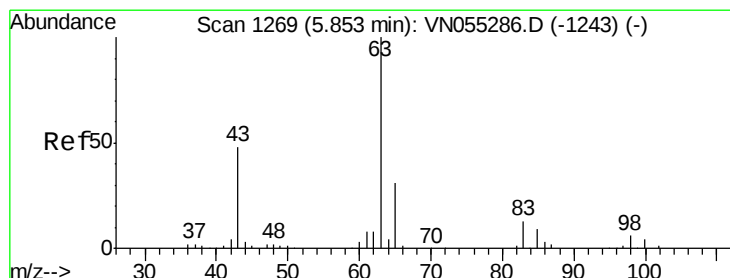
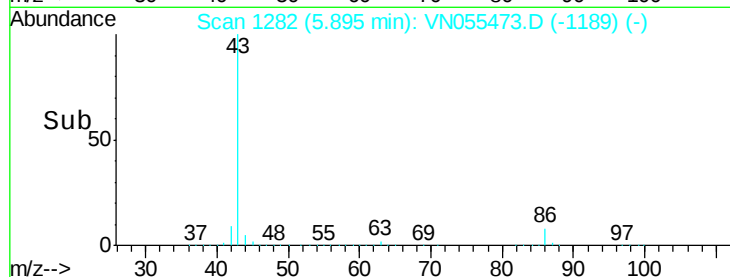
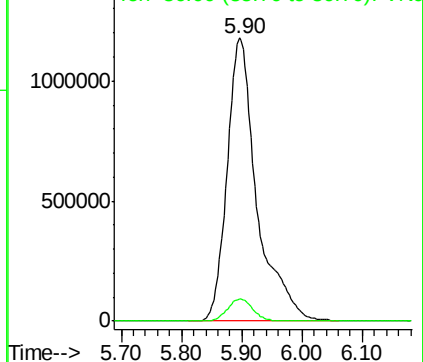
MMDadoda

5/8/2019 10:18:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.999 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

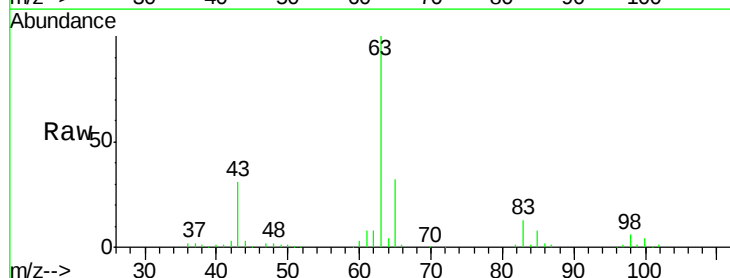
Tgt Ion: 63 Resp: 604387

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

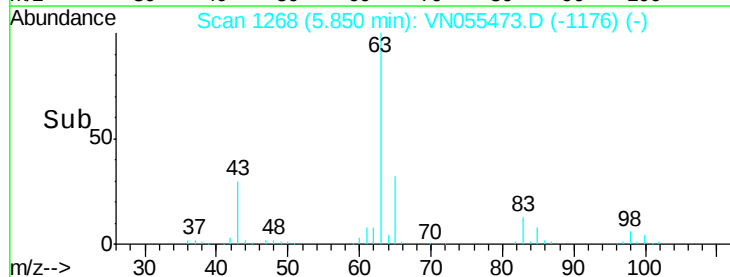
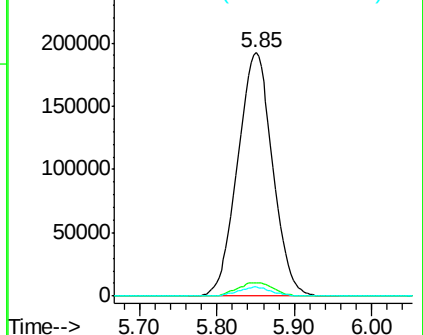
100 3.7 1.8 5.4

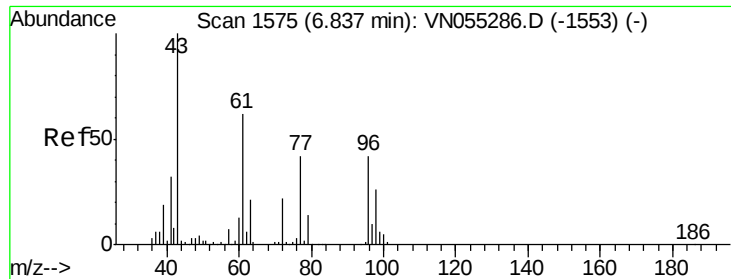


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





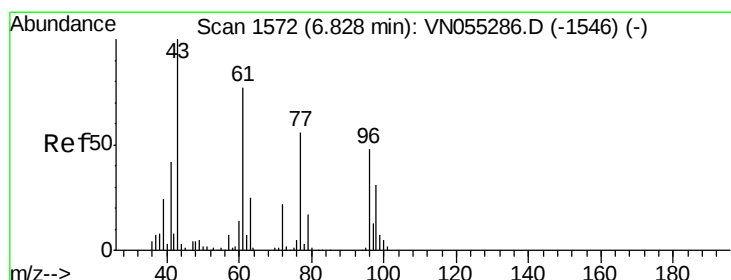
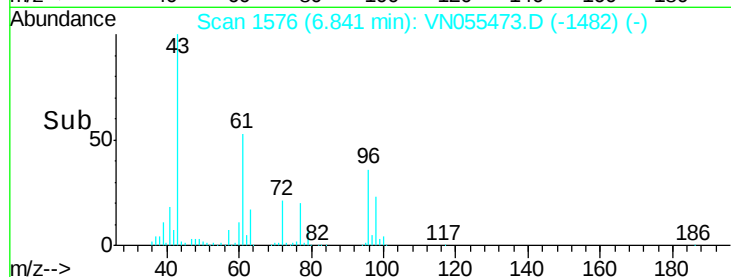
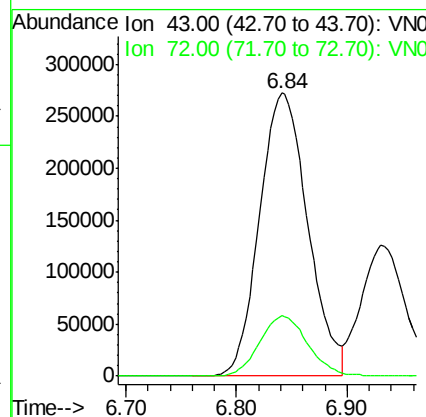
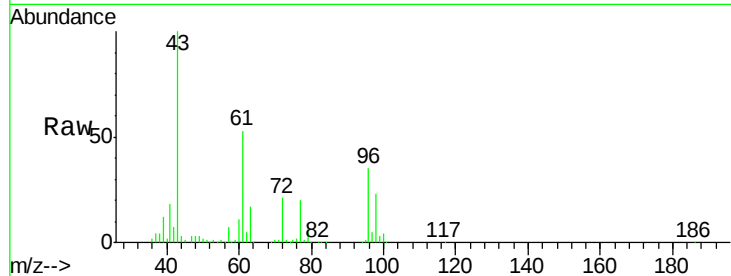
#25
2-Butanone
Concen: 294.031 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 43 Resp: 822556
Ion Ratio Lower Upper
43 100
72 21.3 18.0 27.0

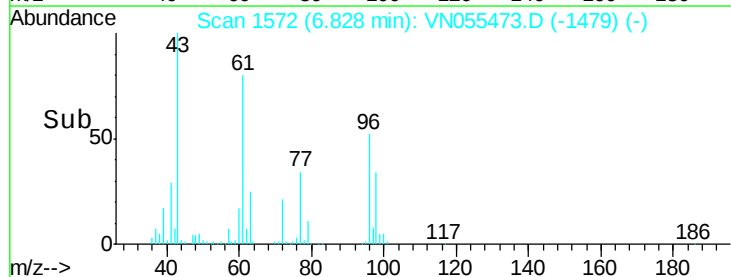
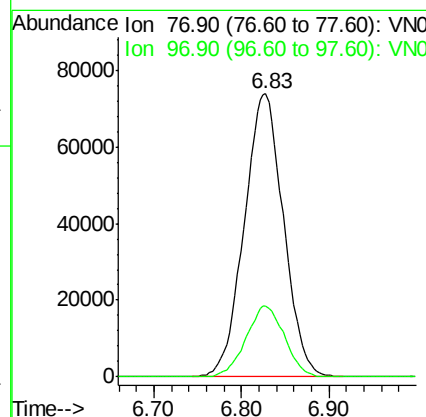
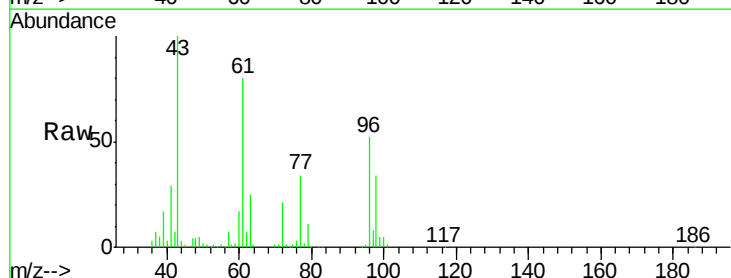
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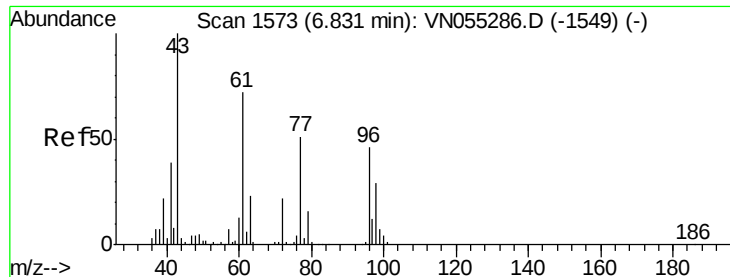
MMDadoda
5/8/2019 10:18:46 AM



#26
2,2-Dichloropropane
Concen: 28.576 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion: 77 Resp: 229357
Ion Ratio Lower Upper
77 100
97 24.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 51.384 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

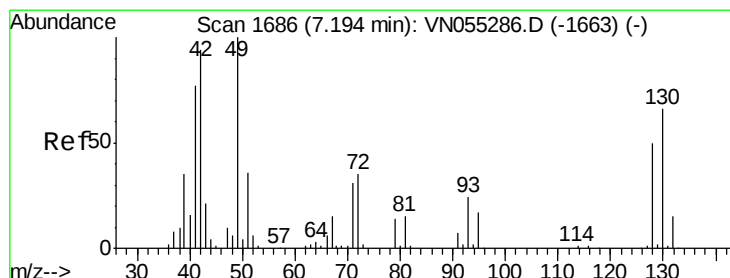
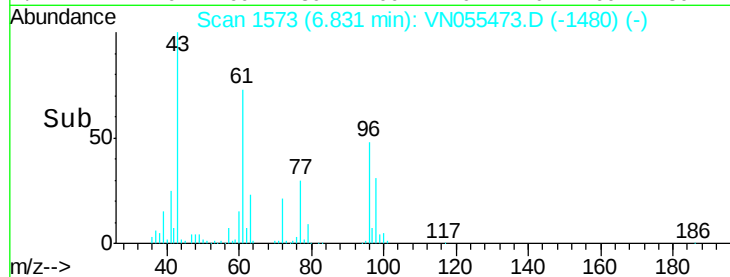
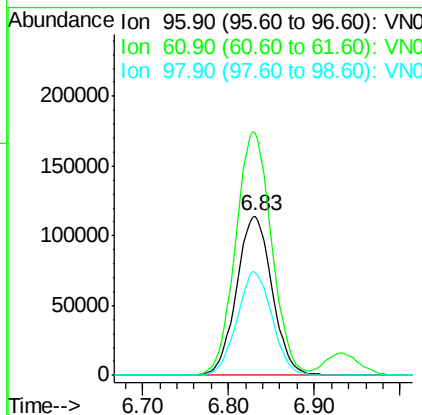
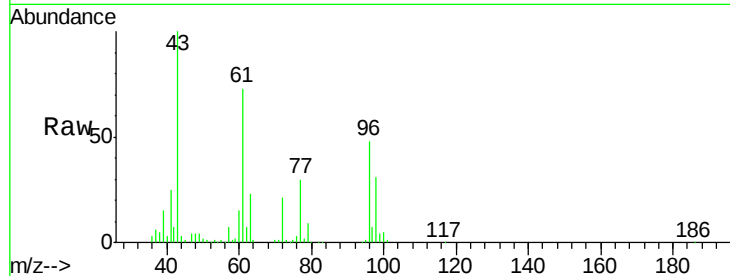
ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:	96	Resp:	328061
Ion Ratio	Lower	Upper	
96	100		
61	154.7	0.0	316.2
98	64.3	0.0	126.6

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#28

Bromochloromethane

Concen: 46.162 ug/l

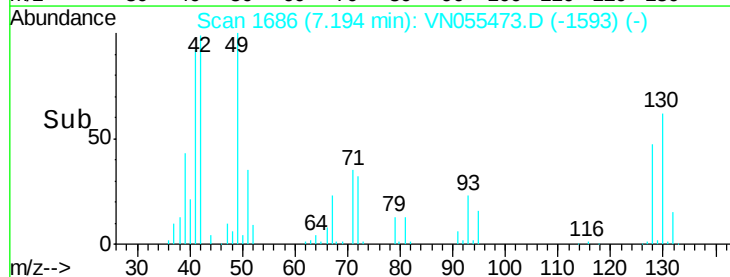
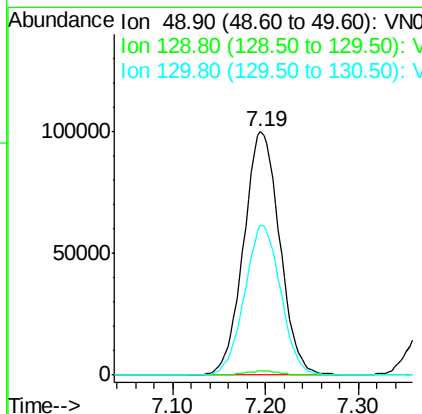
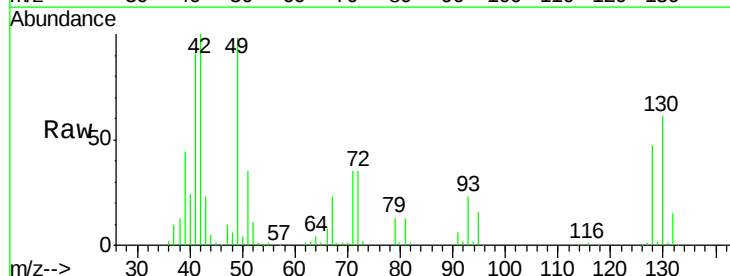
RT: 7.19 min Scan# 1686

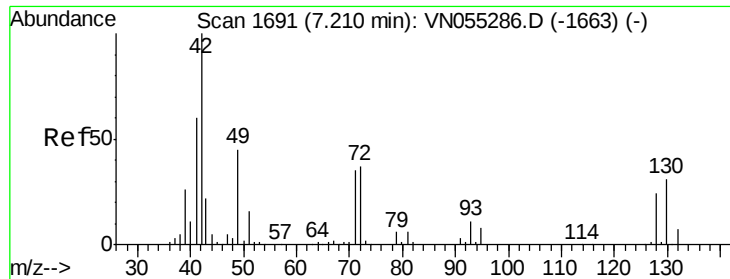
Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Tgt Ion:	49	Resp:	270454
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	2.4
130	61.4	52.0	78.0





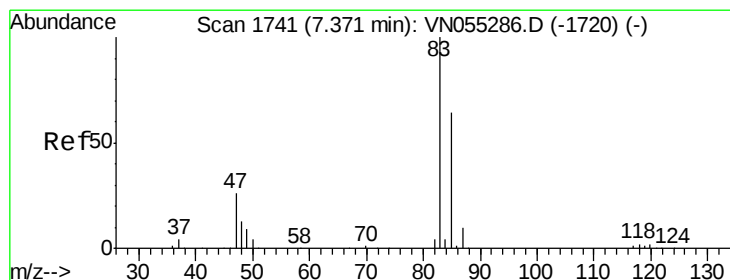
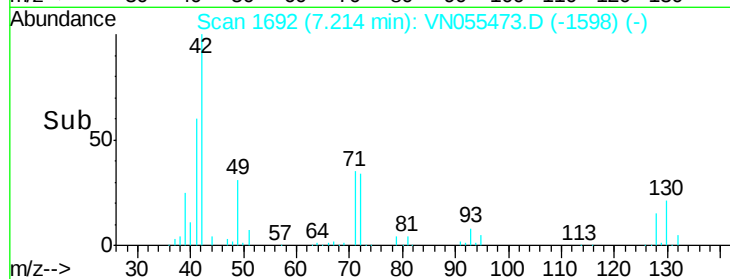
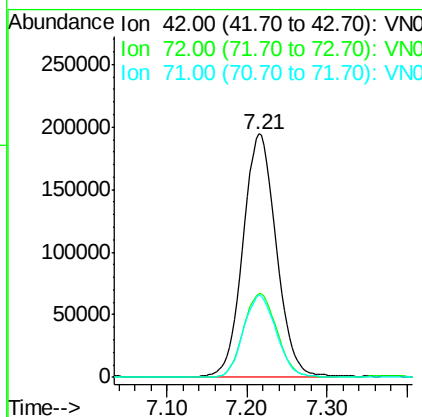
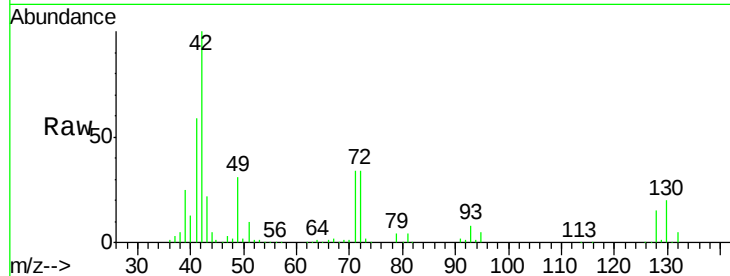
#29
Tetrahydrofuran
Concen: 306.419 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.9	29.0	43.6
71	33.5	27.1	40.7

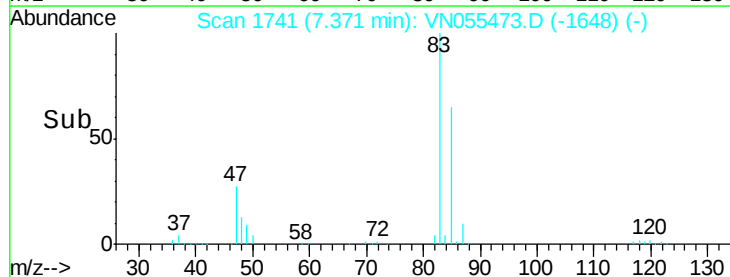
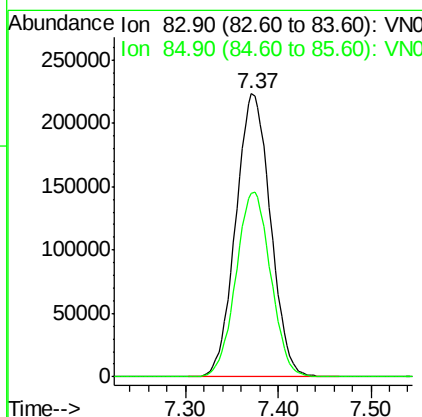
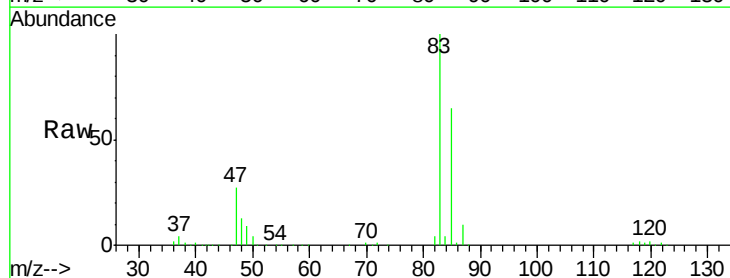
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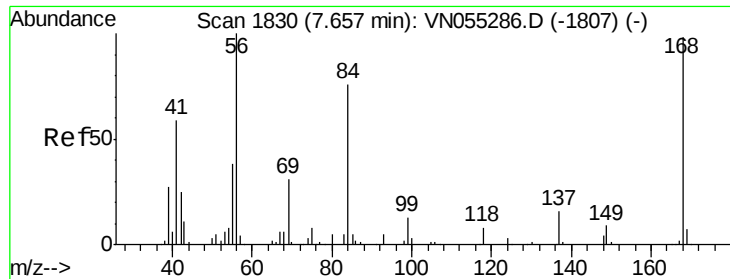
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5/8/2019 10:18:46 AM



#30
Chloroform
Concen: 52.695 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.2





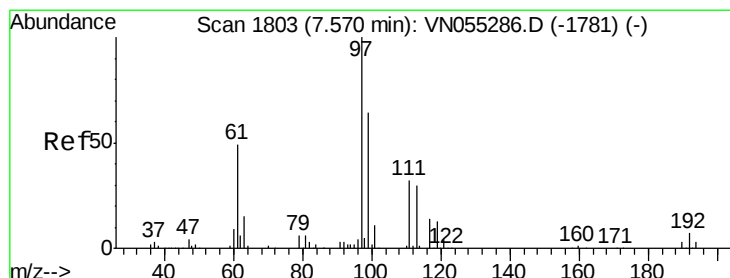
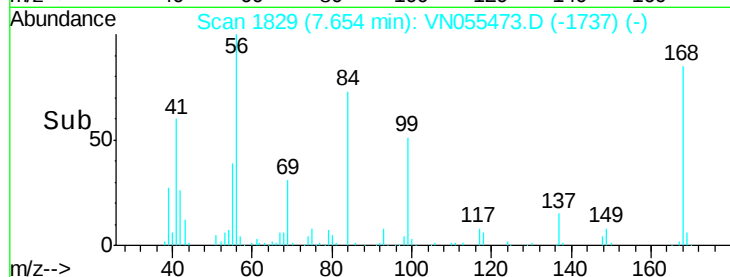
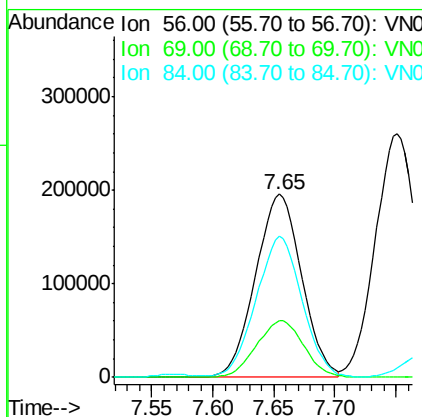
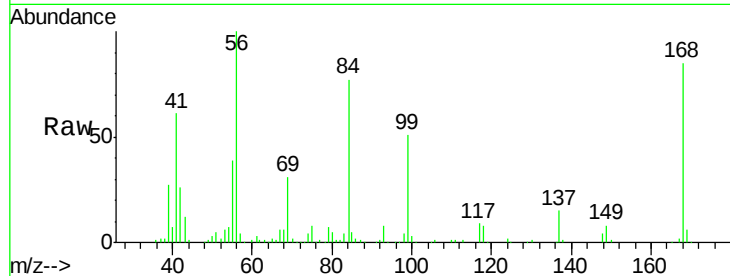
#31
Cyclohexane
Concen: 46.543 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		513970		
69	31.0	25.2	37.8		
84	75.7	61.1	91.7		

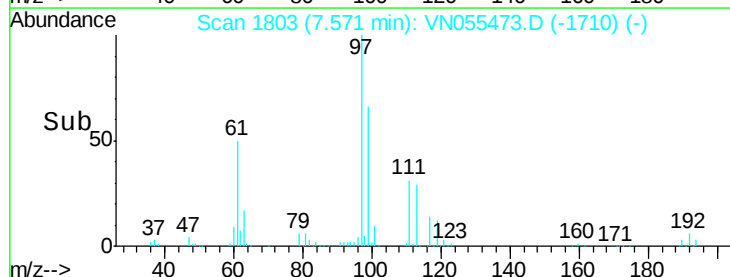
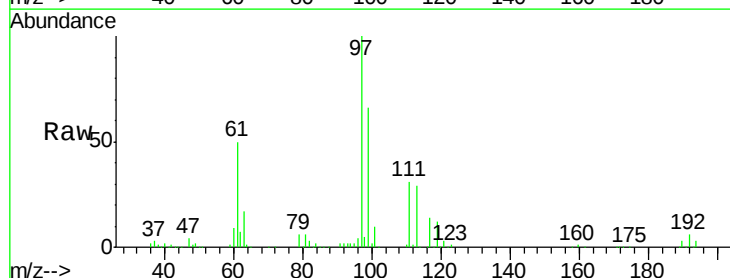
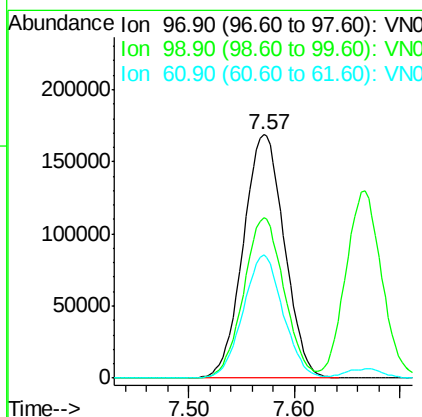
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 51.273 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		458492		
99	64.8	51.8	77.8		
61	49.1	39.0	58.6		





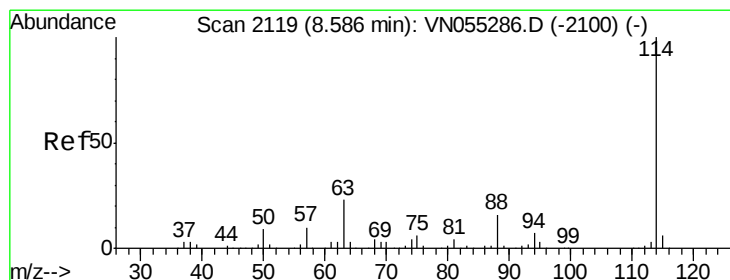
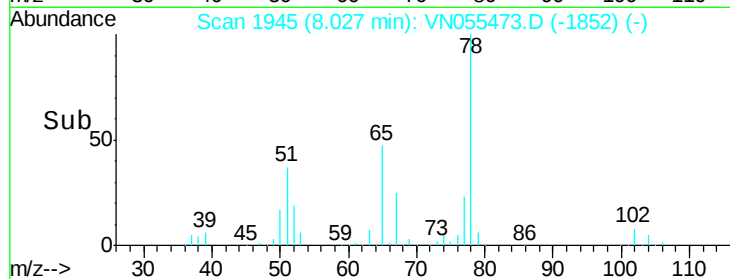
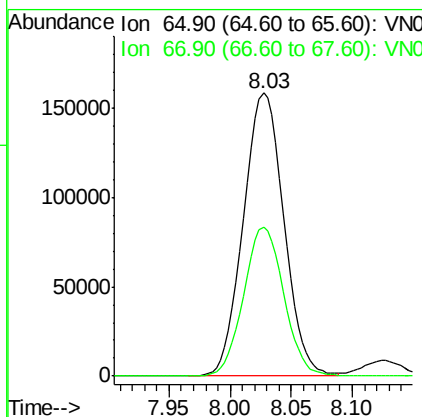
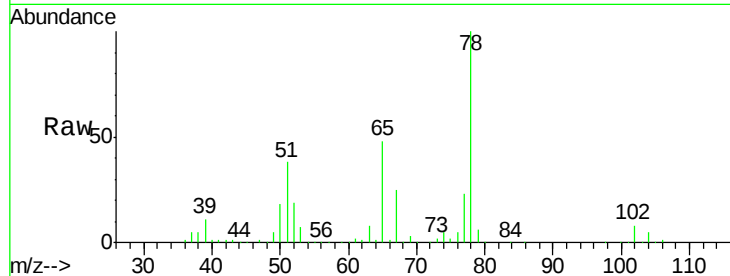
#33
 1,2-Dichloroethane-d4
 Concen: 51.970 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	364857		
67	52.1	0.0	106.8	

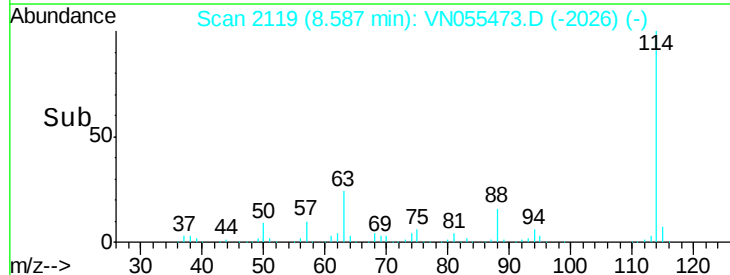
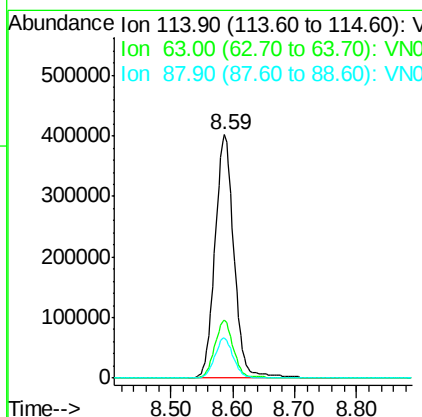
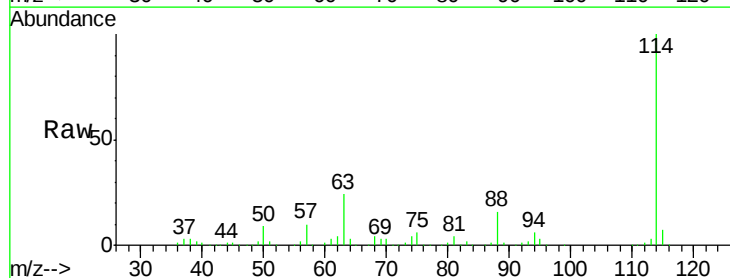
Manual Integrations
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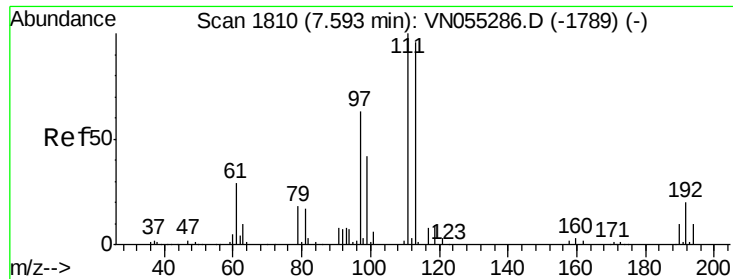
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 5/8/2019 10:18:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	857608		
63	23.6	0.0	45.2	
88	16.3	0.0	31.6	





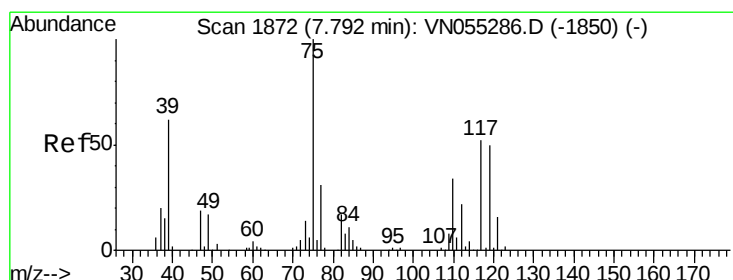
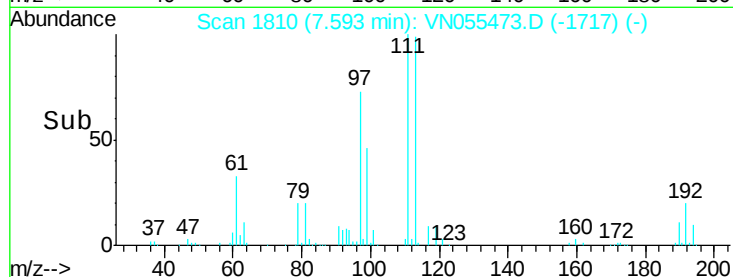
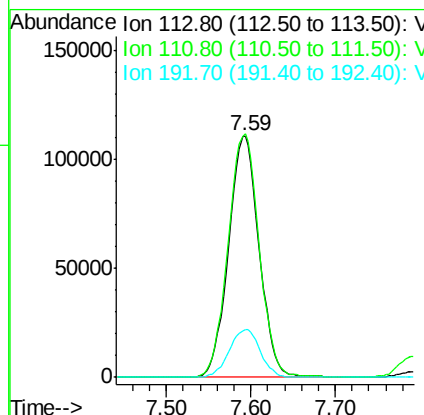
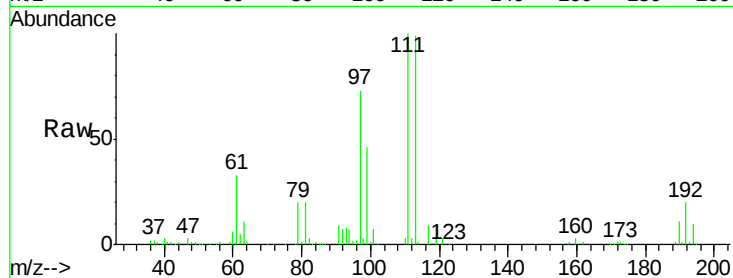
#35
 Dibromofluoromethane
 Concen: 49.447 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	278338		
111	103.1	82.3	123.5	
192	20.2	17.0	25.6	

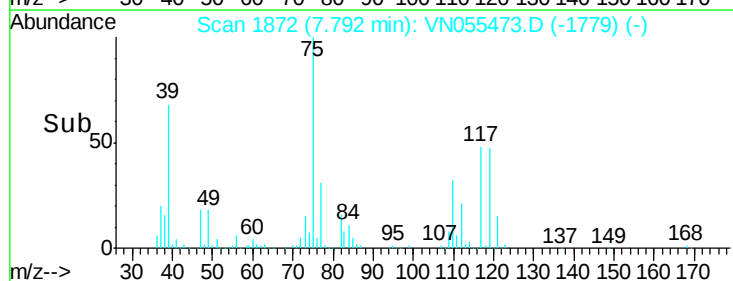
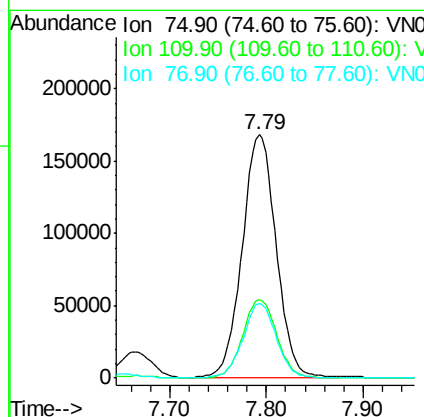
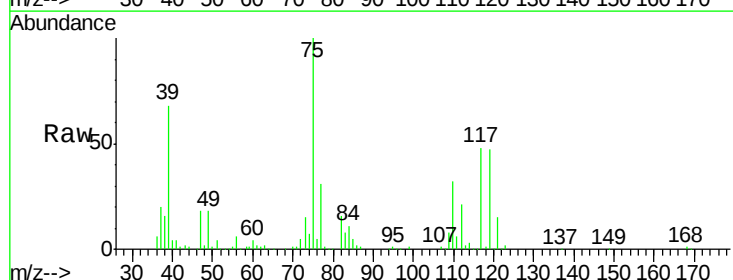
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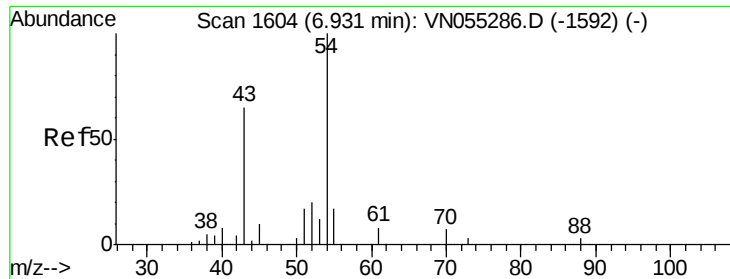
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 5/8/2019 10:18:46 AM



#36
 1,1-Dichloropropene
 Concen: 49.723 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	408452		
110	32.7	16.8	50.4	
77	30.6	25.0	37.6	





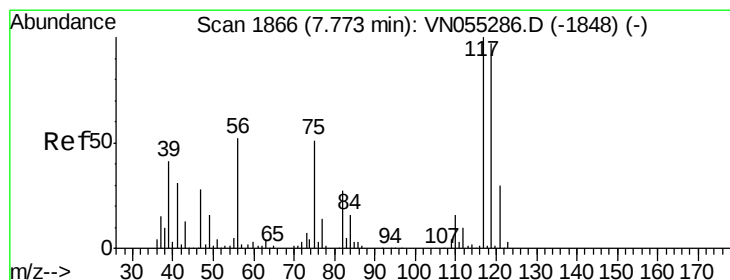
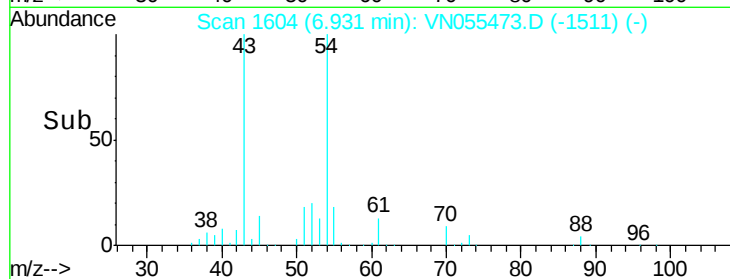
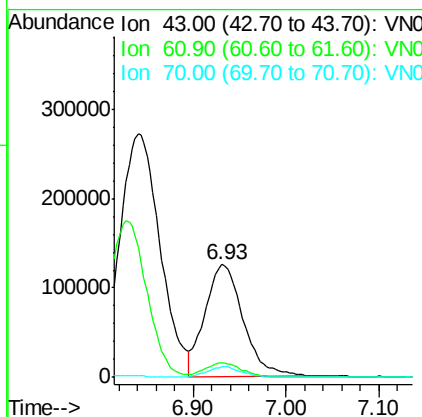
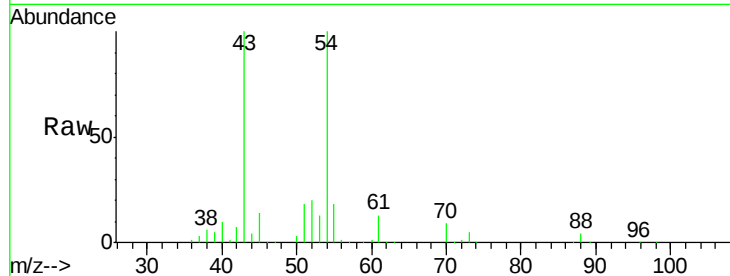
#37
Ethyl Acetate
Concen: 57.084 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100	359390		
61	12.7		10.4	15.6
70	8.7		6.6	10.0

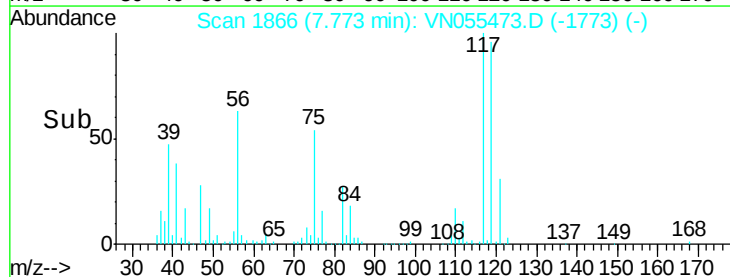
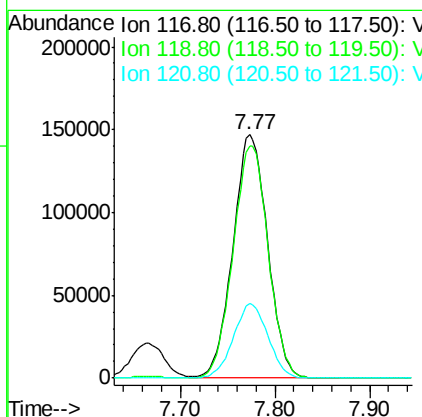
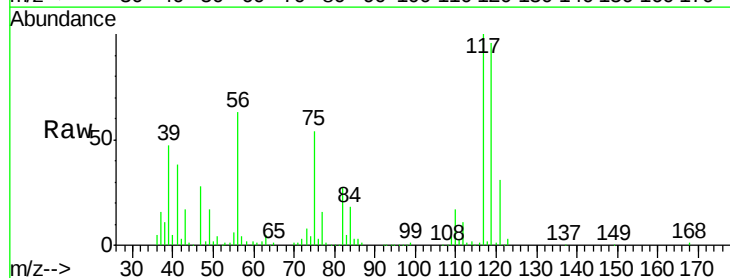
Manual Integrations
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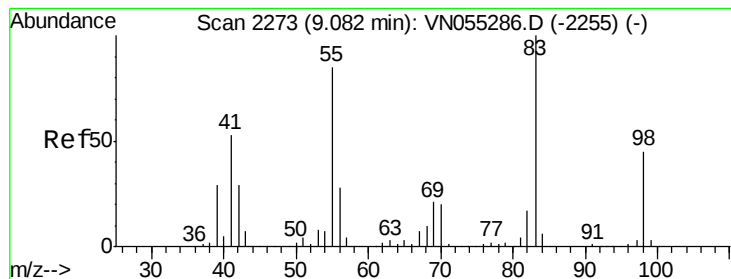
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.258 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	374474		
119	95.5		77.0	115.6
121	30.7		23.8	35.8





#39

Methvlcvclohexane

Concen: 52.700 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

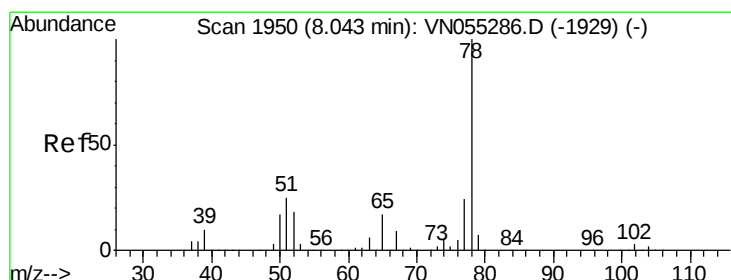
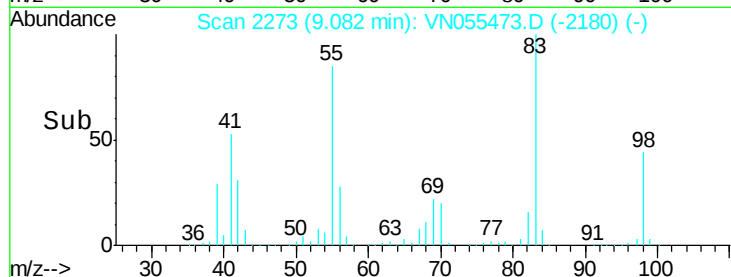
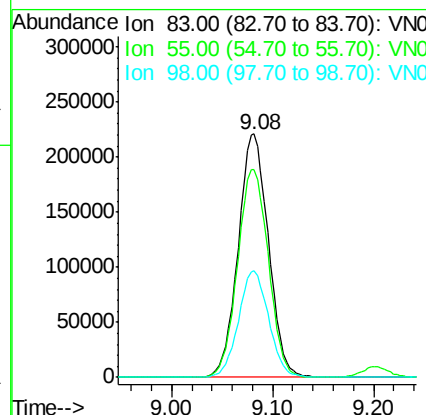
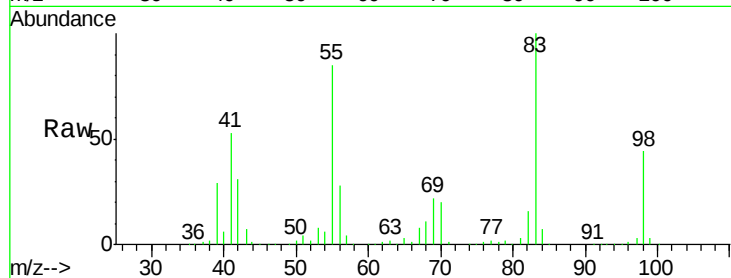
ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:	83	Resp:	460274
Ion Ratio	Lower	Upper	
83	100		
55	85.2	67.8	101.6
98	43.7	36.2	54.4

Manual Integrations
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#40

Benzene

Concen: 50.644 ug/l

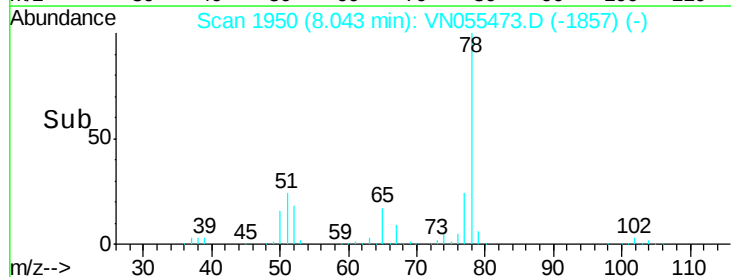
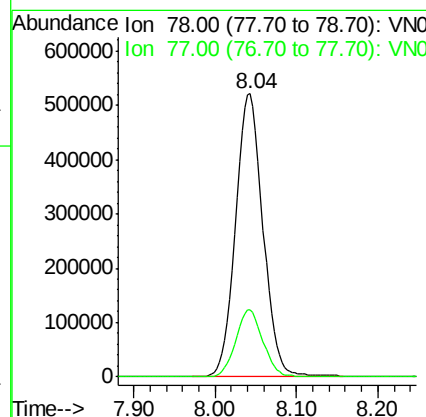
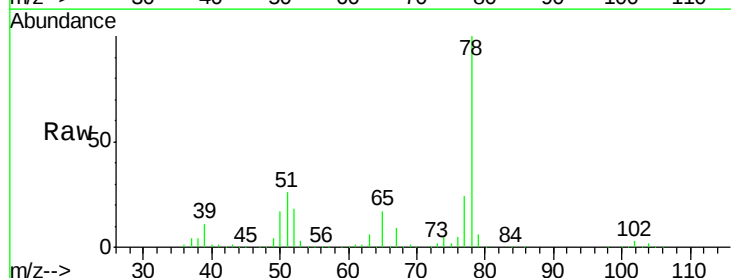
RT: 8.04 min Scan# 1950

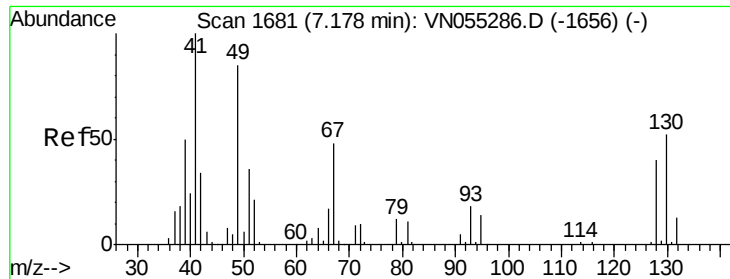
Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Tgt Ion:	78	Resp:	1226398
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.6





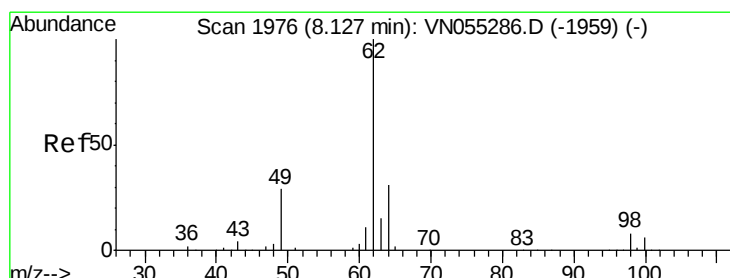
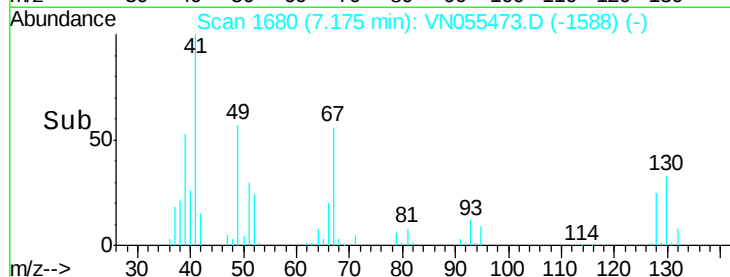
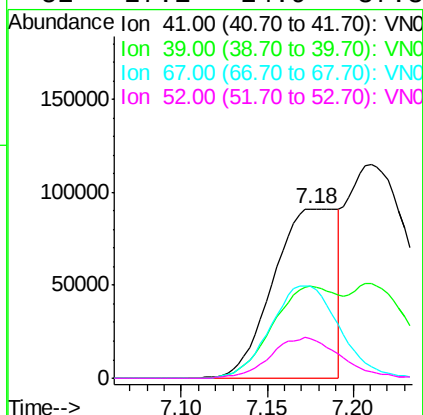
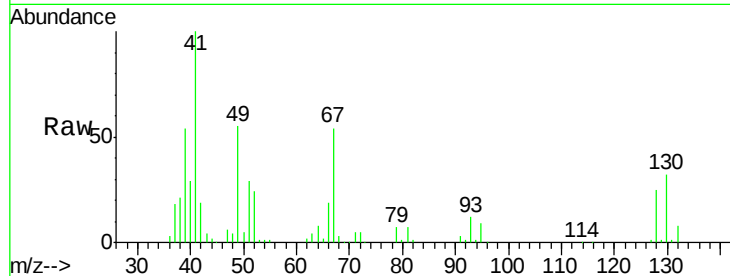
#41
Methacrylonitrile
Concen: 67.843 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	41	Resp	232080
Ion Ratio	Lower	Upper	
41	100		
39	57.5	48.5	72.7
67	60.0	54.9	82.3
52	27.1	24.9	37.3

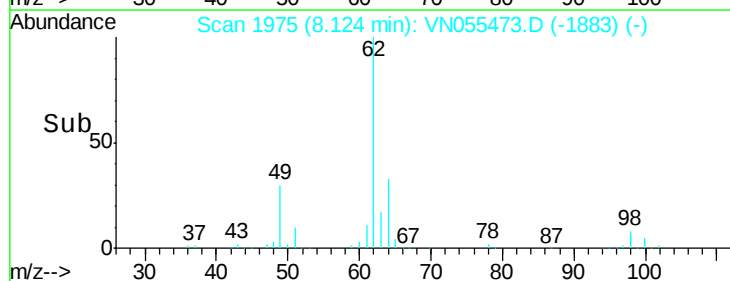
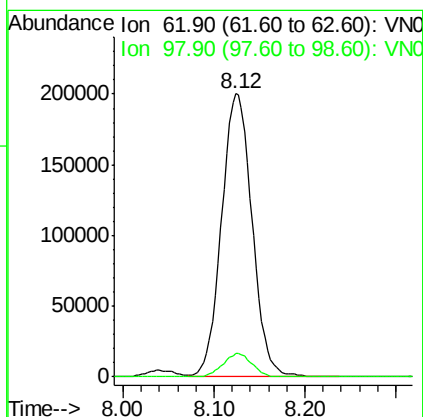
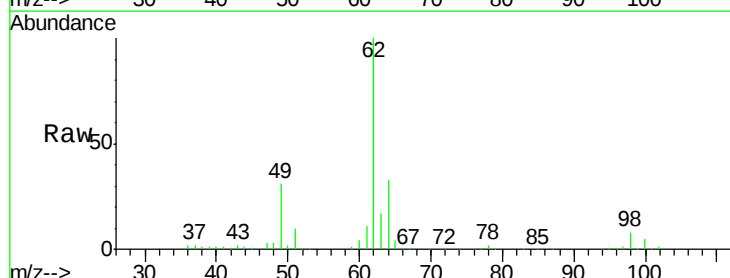
Manual Integrations
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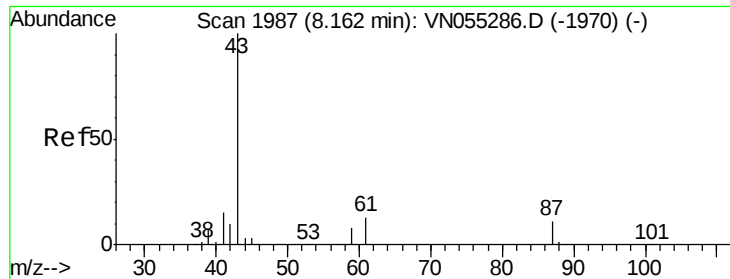
MMDadoda
5/8/2019 10:18:46 AM



#42
1,2-Dichloroethane
Concen: 54.199 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	62	Resp	464859
Ion Ratio	Lower	Upper	
62	100		
98	8.0	0.0	16.4





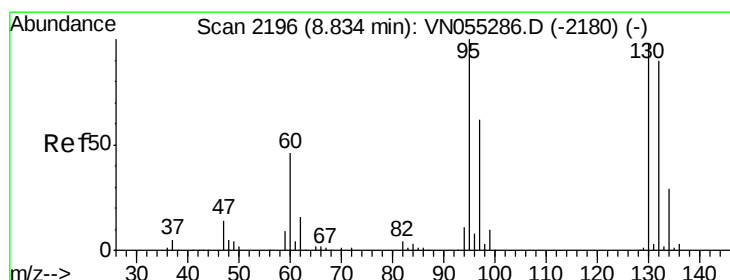
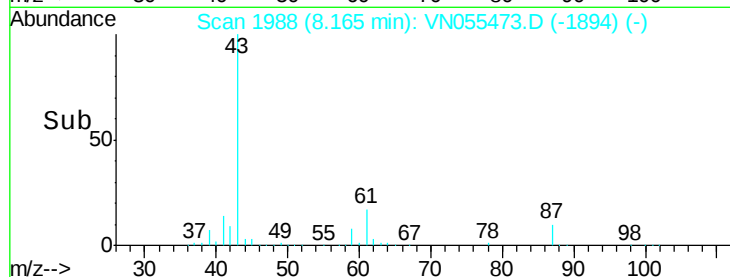
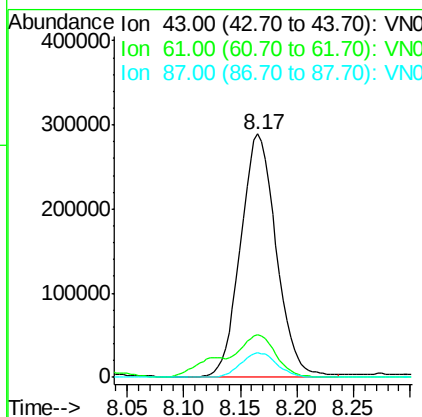
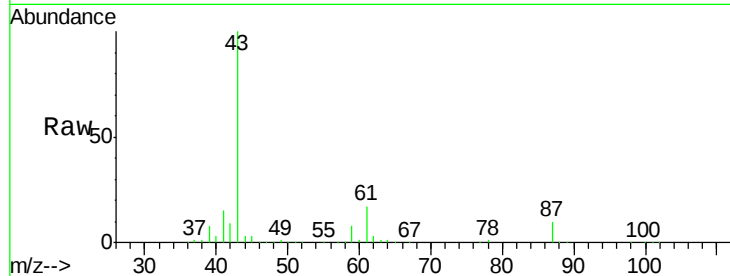
#43
Isopropyl Acetate
Concen: 62.617 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	20.8	31.2#
87	10.3	8.5	12.7

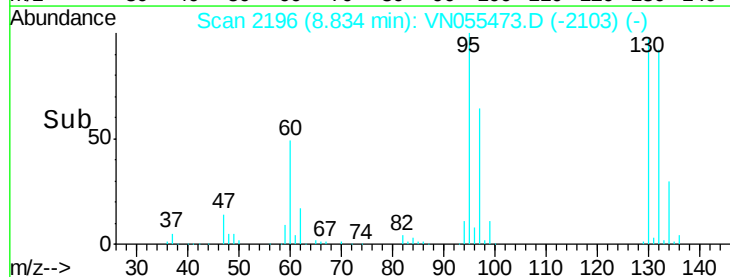
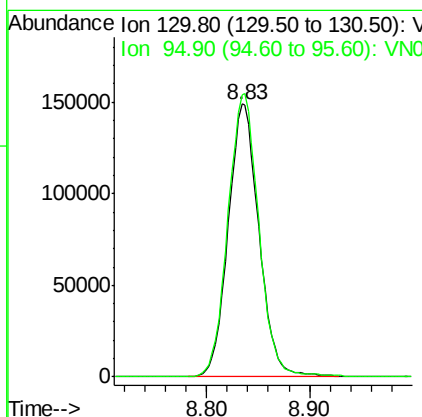
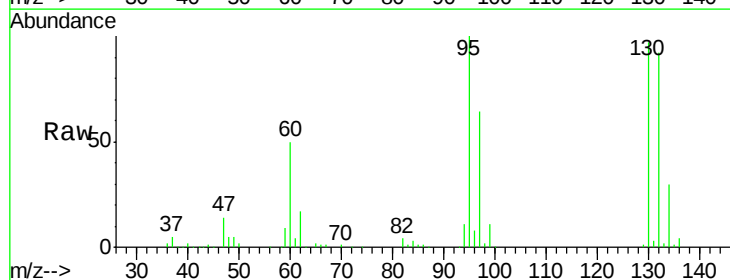
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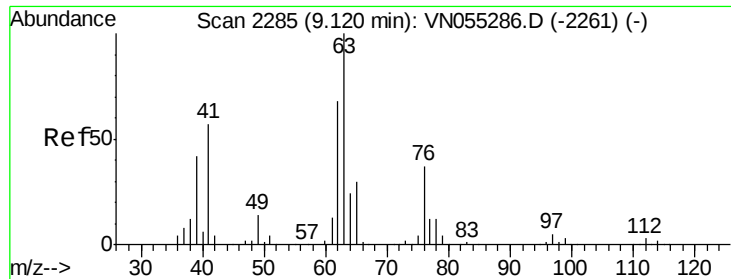
MMDadoda
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#44
Trichloroethene
Concen: 50.118 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	203.4





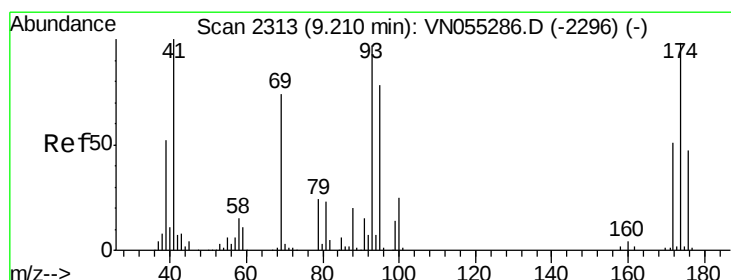
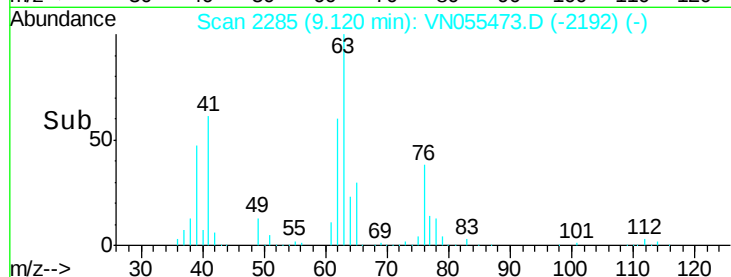
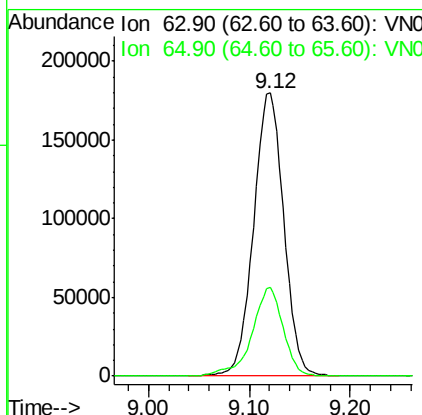
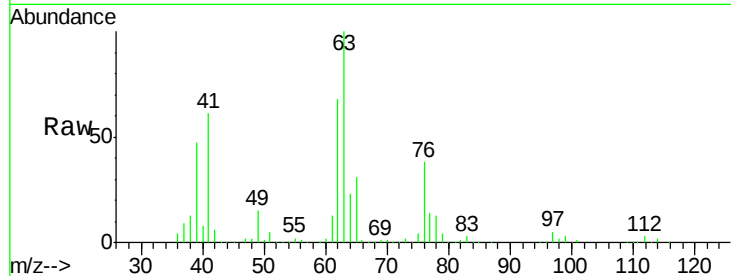
#45
 1,2-Dichloropropane
 Concen: 53.467 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion: 63 Resp: 373430
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.9 35.9

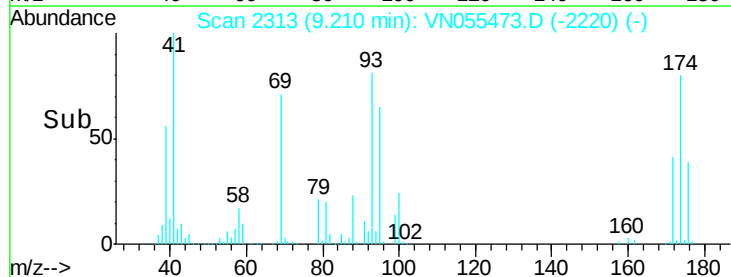
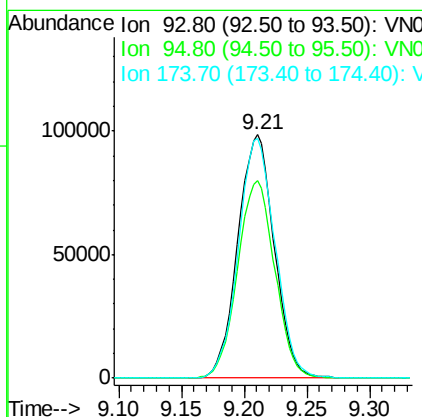
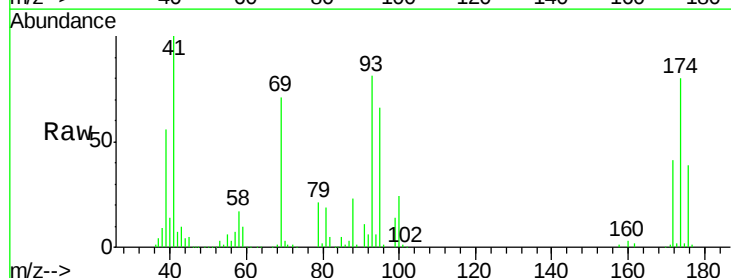
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#46
 Dibromomethane
 Concen: 52.235 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion: 93 Resp: 199415
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.7 98.5
 174 99.1 81.5 122.3





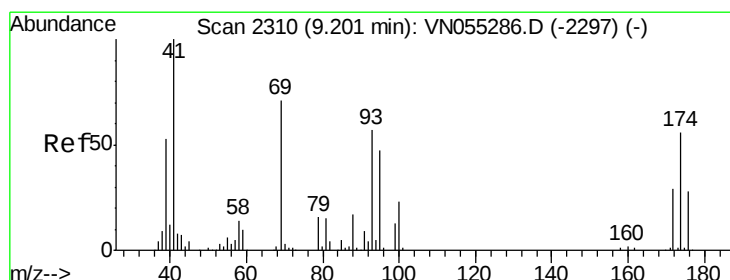
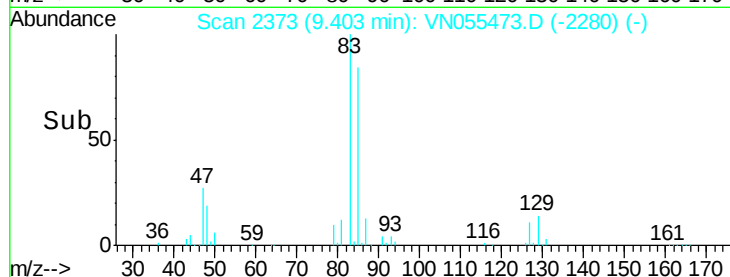
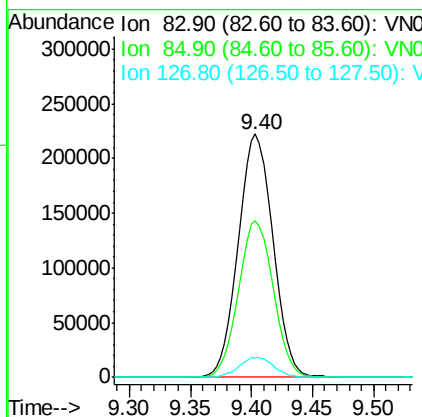
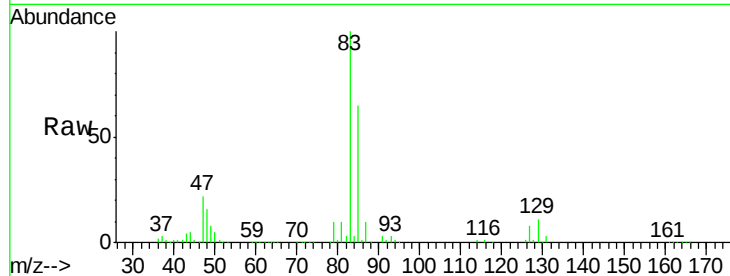
#47
Bromodichloromethane
Concen: 53.498 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.6	50.1	75.1	
127	8.3	6.7	10.1	

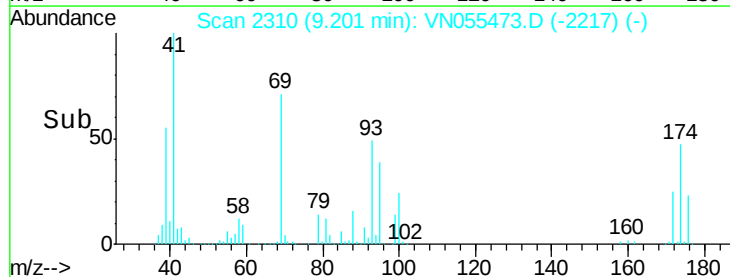
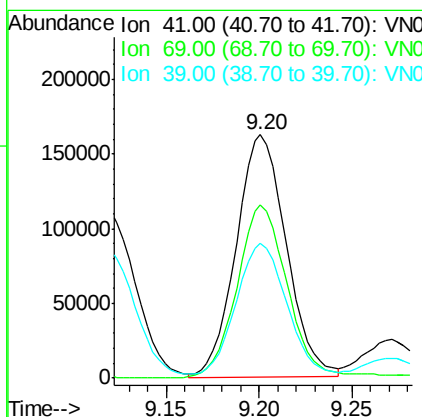
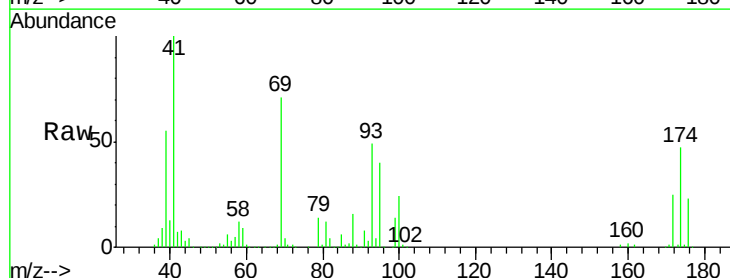
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APPROVED

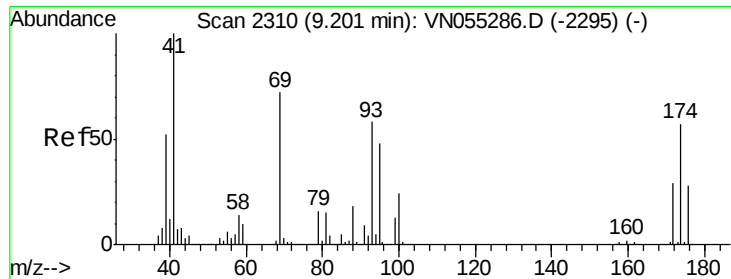
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#48
Methyl methacrylate
Concen: 61.386 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	73.0	58.6	87.8	
39	56.5	43.8	65.6	





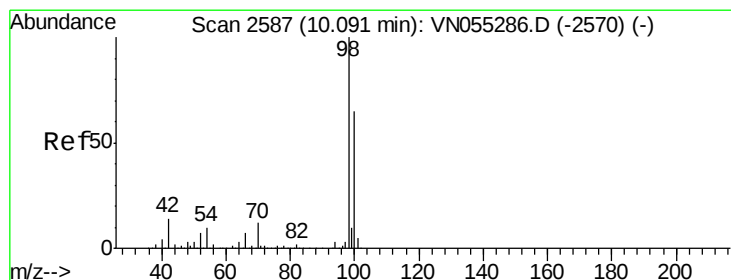
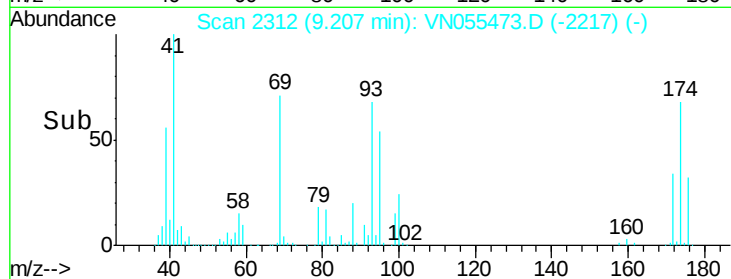
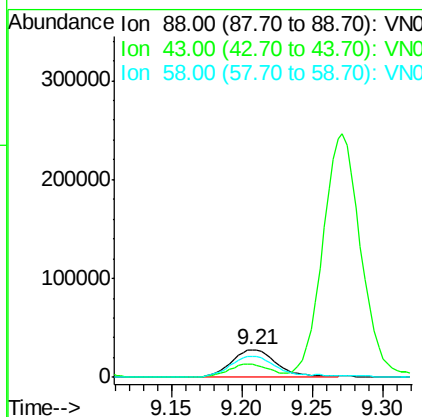
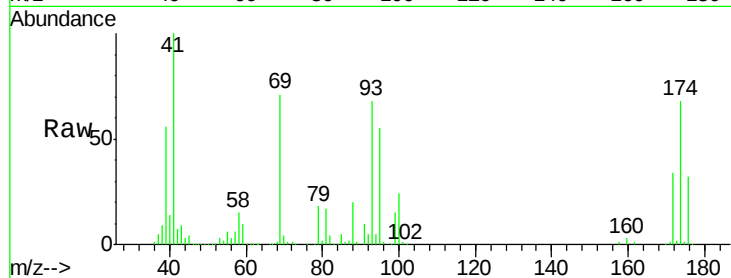
#49
1,4-Dioxane
Concen: 1253.701 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	88	Resp	64461
Ion	Ratio	Lower	Upper
88	100		
43	41.2	33.3	49.9
58	74.5	62.7	94.1

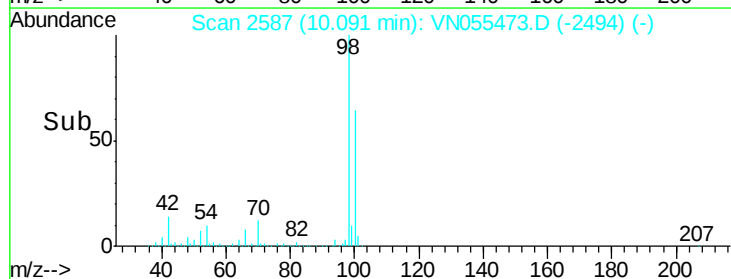
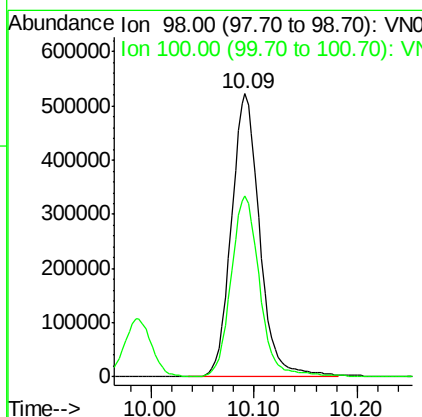
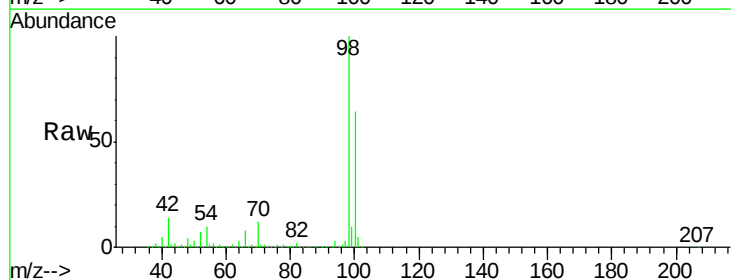
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#50
Toluene-d8
Concen: 49.249 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	98	Resp	1001032
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 311.411 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 43 Resp: 1773922

Ion Ratio Lower Upper

43 100

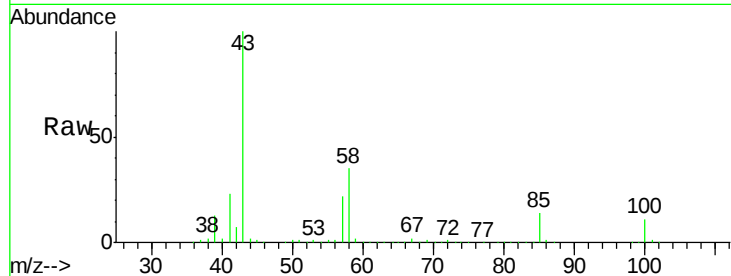
58 34.6 28.5 42.7

Manual Integrations

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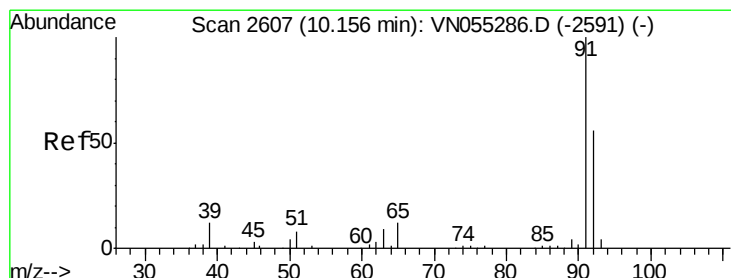
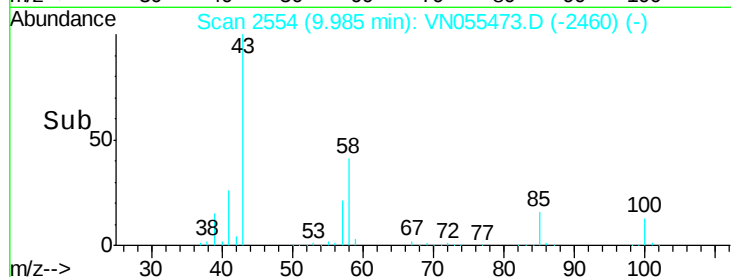
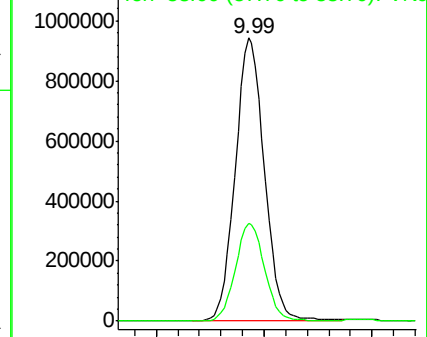
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.495 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055473.D

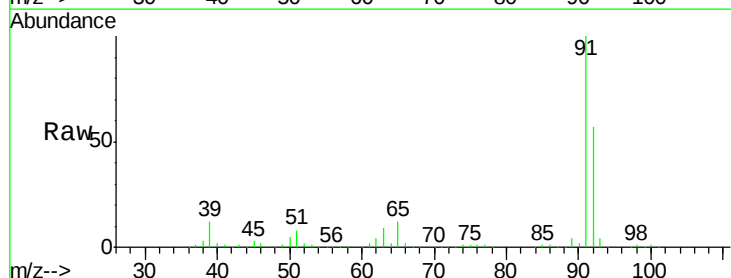
Acq: 8 May 2019 7:01

Tgt Ion: 92 Resp: 729388

Ion Ratio Lower Upper

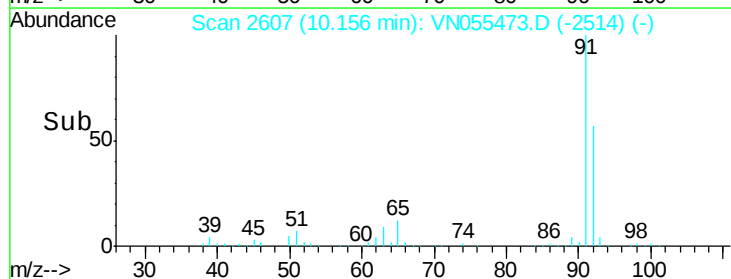
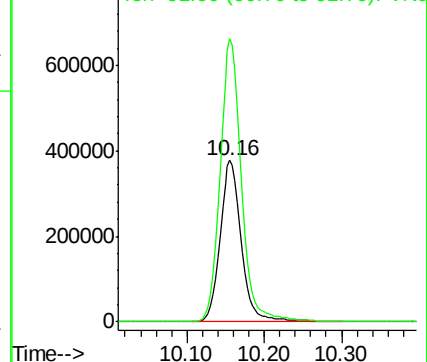
92 100

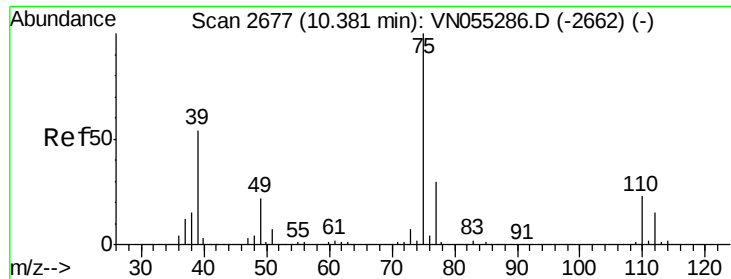
91 176.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





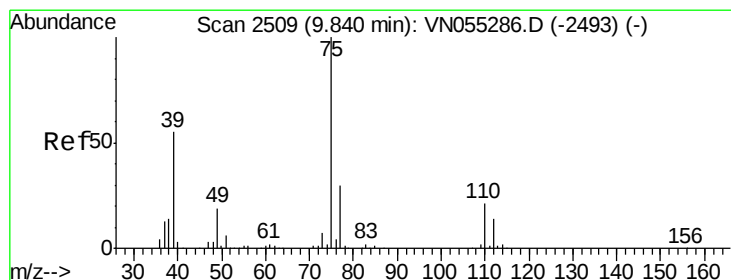
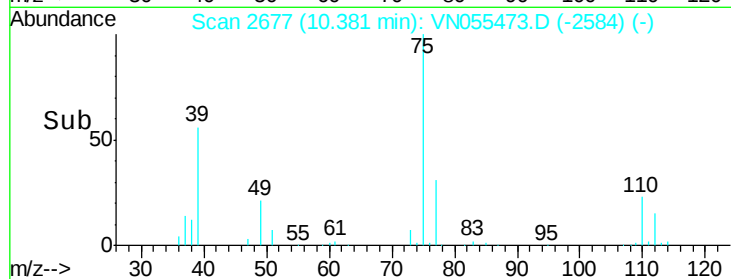
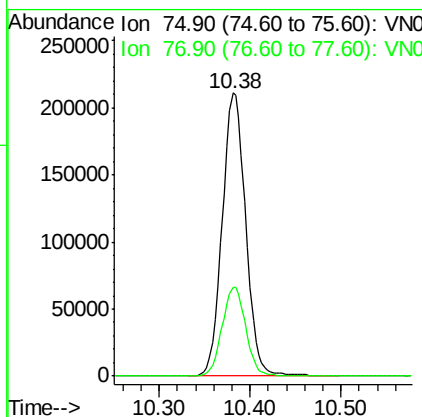
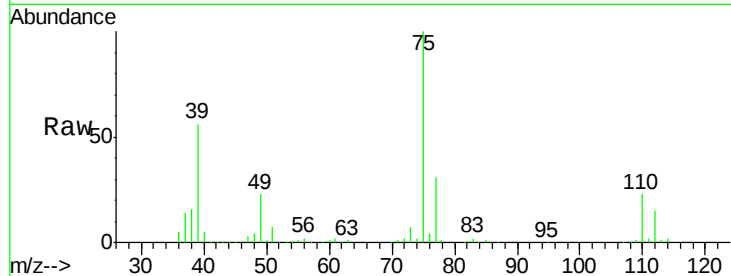
#53
t-1,3-Dichloropropene
Concen: 53.271 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	75	Resp	378746
Ion Ratio	100	Lower	Upper
77	31.2	24.4	36.6

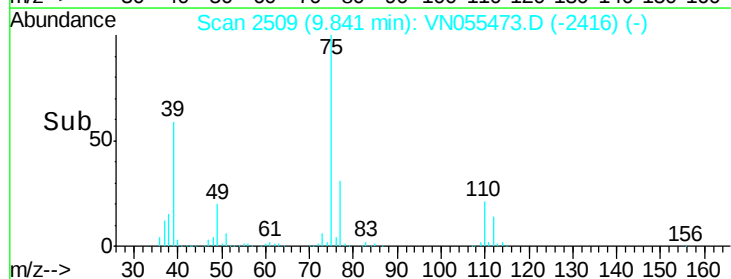
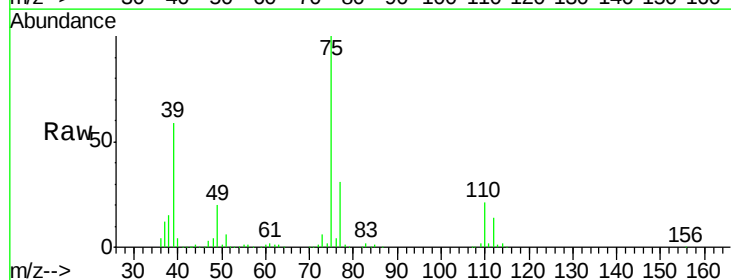
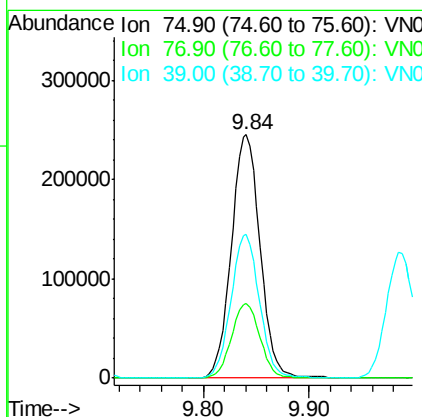
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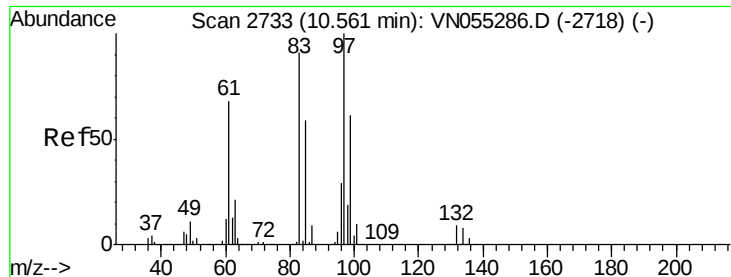
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#54
cis-1,3-Dichloropropene
Concen: 52.130 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	75	Resp	462110
Ion Ratio	100	Lower	Upper
77	30.6	24.2	36.2
39	58.7	44.2	66.2





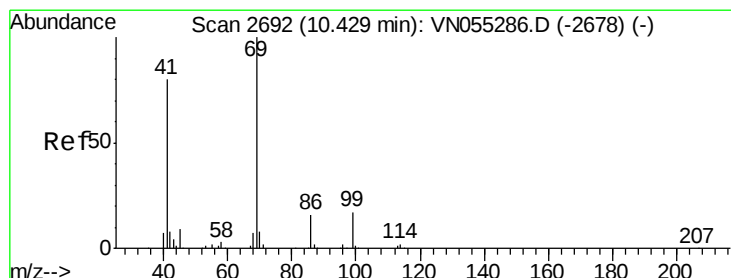
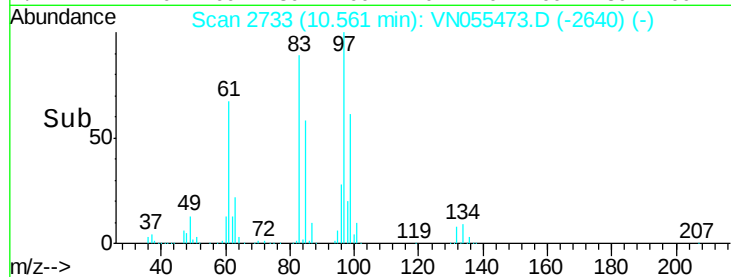
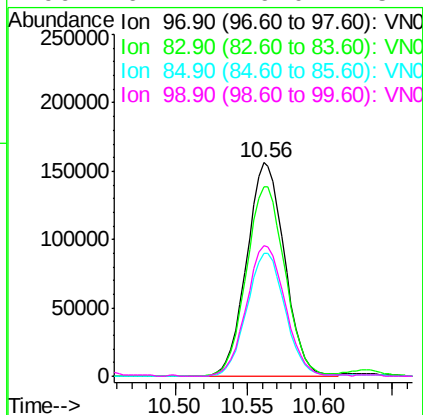
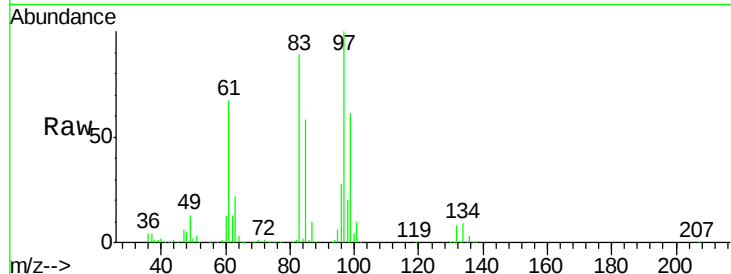
#55
 1,1,2-Trichloroethane
 Concen: 55.028 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion:	97	Resp:	283918
Ion	Ratio	Lower	Upper
97	100		
83	88.9	72.8	109.2
85	57.7	47.0	70.6
99	61.1	49.0	73.4

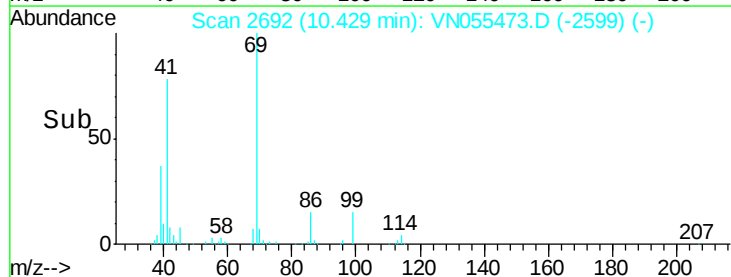
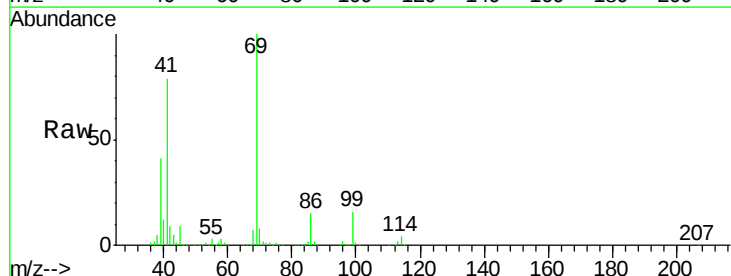
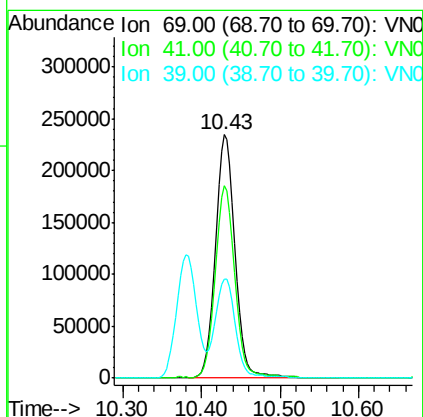
Manual Integrations
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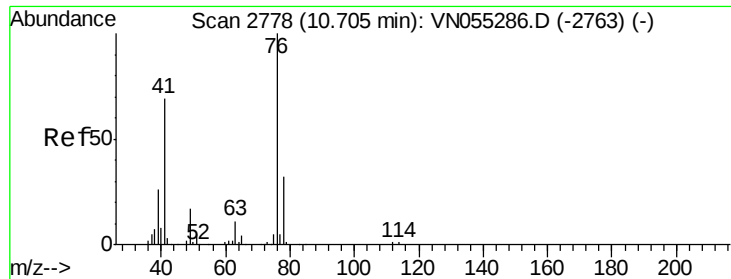
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#56
 Ethyl methacrylate
 Concen: 63.343 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion:	69	Resp:	402270
Ion	Ratio	Lower	Upper
69	100		
41	79.0	62.7	94.1
39	42.1	32.0	48.0





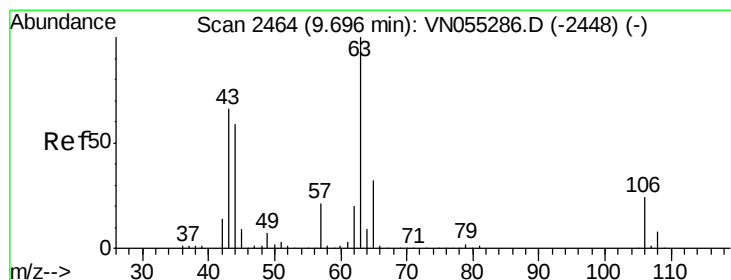
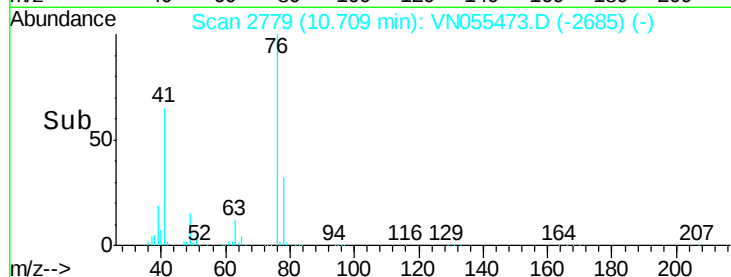
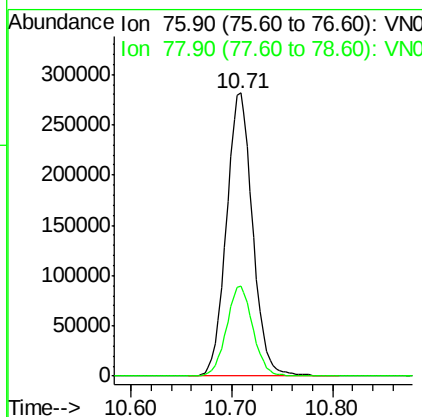
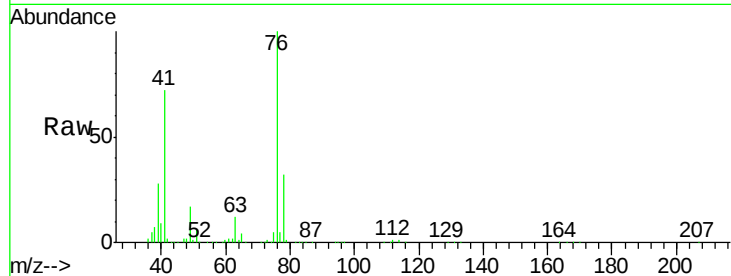
#57
 1,3-Dichloropropane
 Concen: 56.450 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion: 76 Resp: 510947
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

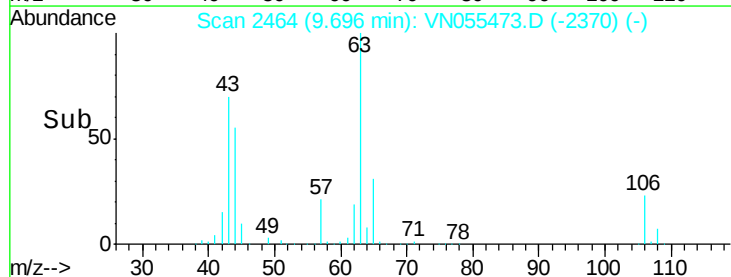
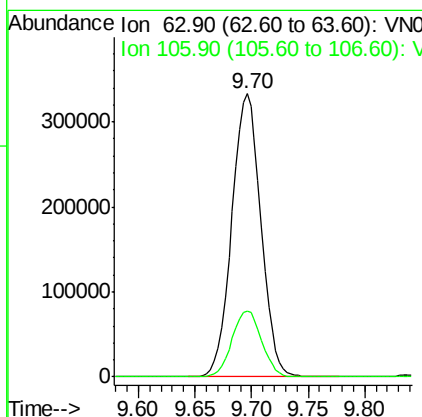
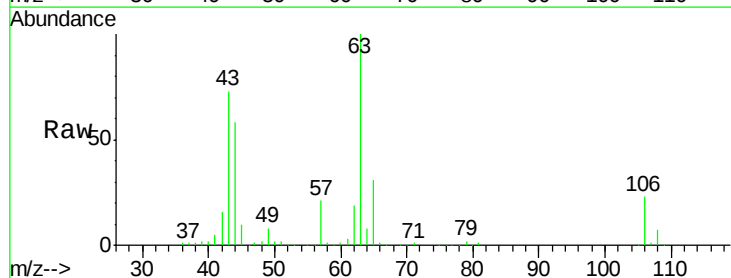
Manual Integrations
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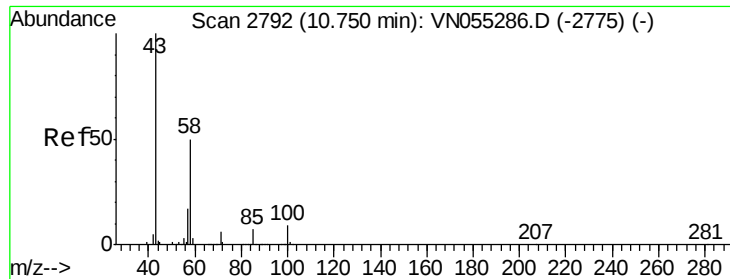
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 5/8/2019 10:18:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 300.392 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion: 63 Resp: 597229
 Ion Ratio Lower Upper
 63 100
 106 23.6 19.0 28.4





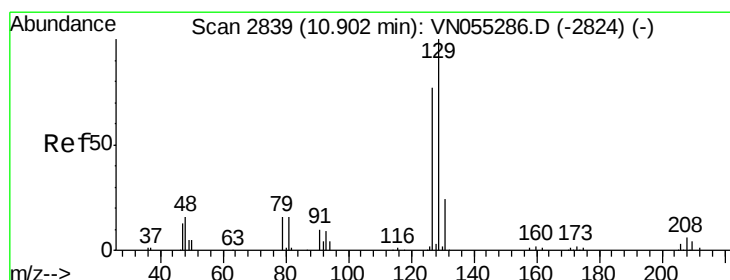
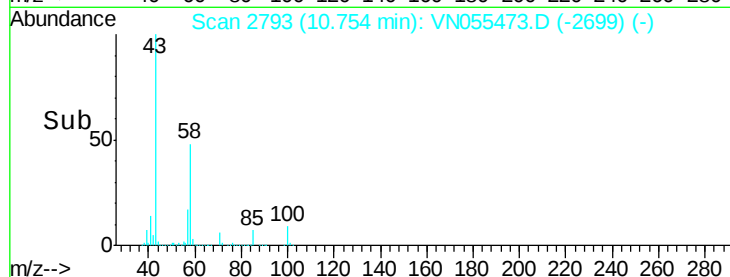
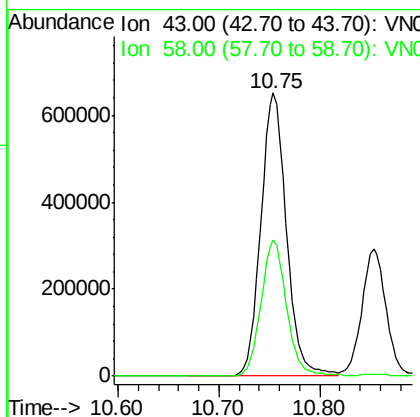
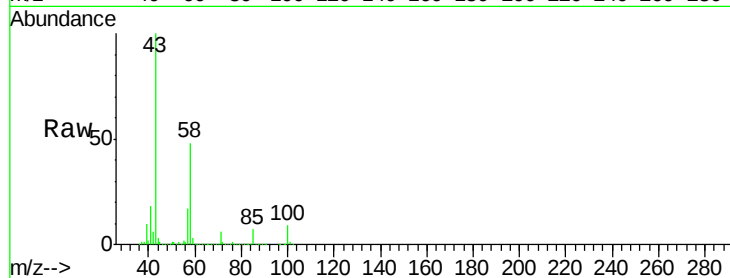
#59
2-Hexanone
Concen: 321.115 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 43 Resp: 1144506
Ion Ratio Lower Upper
43 100
58 48.2 24.9 74.6

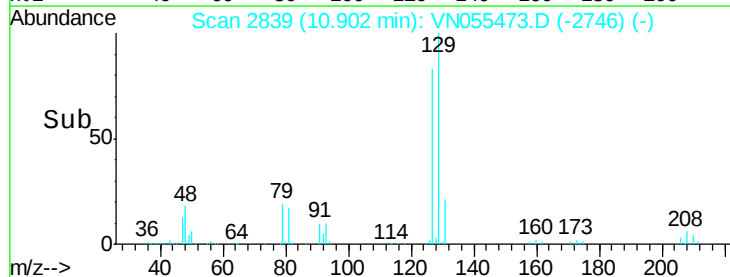
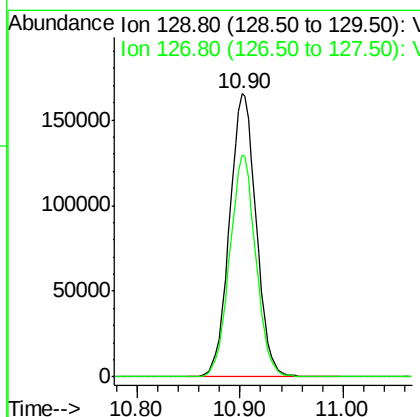
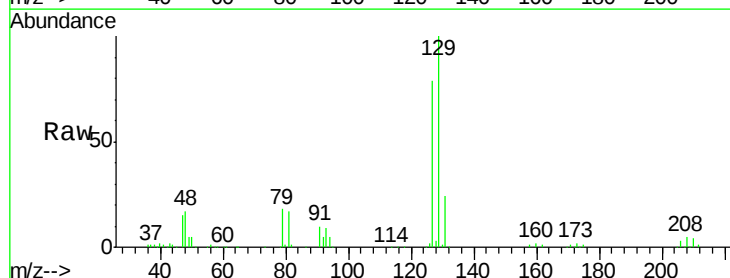
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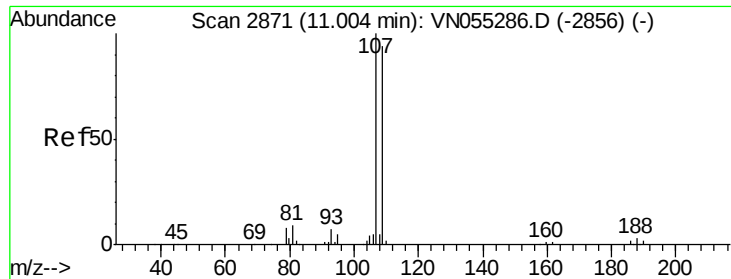
MMDadoda
5/8/2019 10:18:46 AM



#60
Dibromochloromethane
Concen: 56.348 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion: 129 Resp: 297140
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5





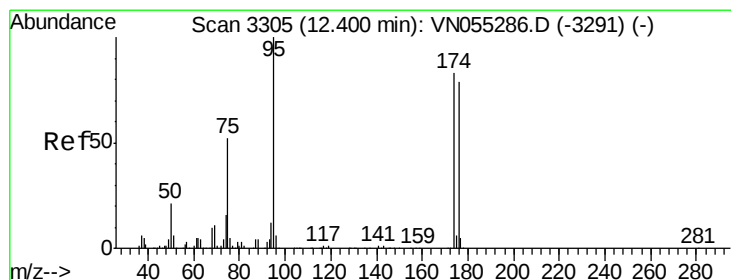
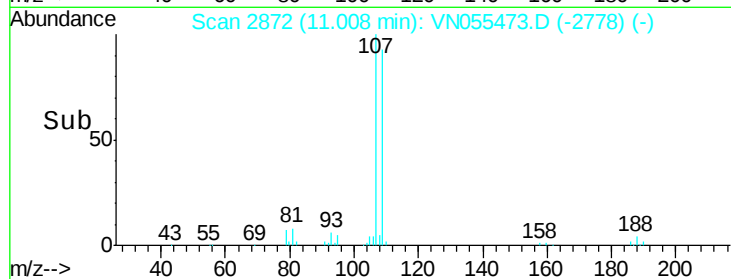
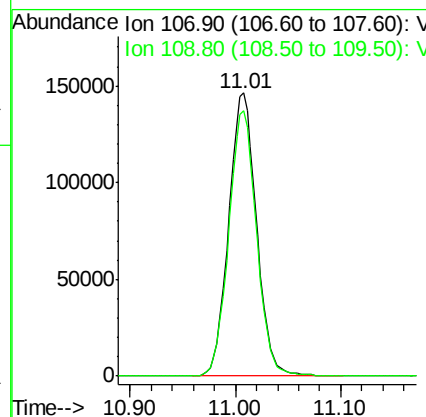
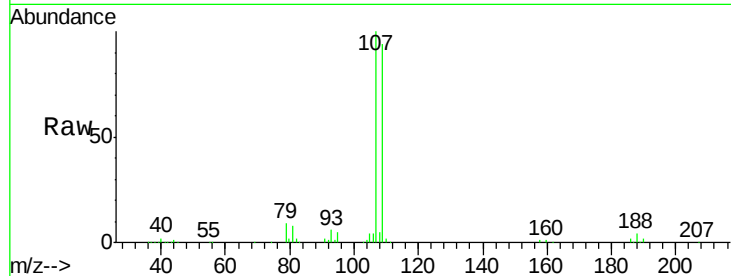
#61
 1,2-Dibromoethane
 Concen: 55.845 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6

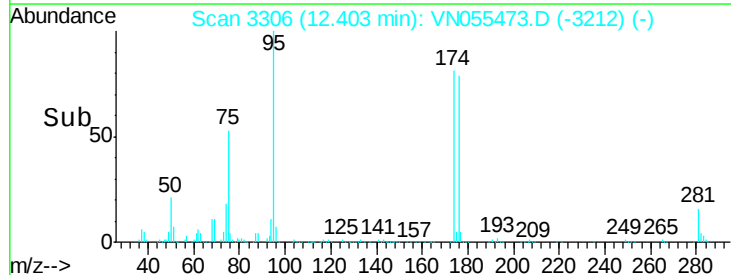
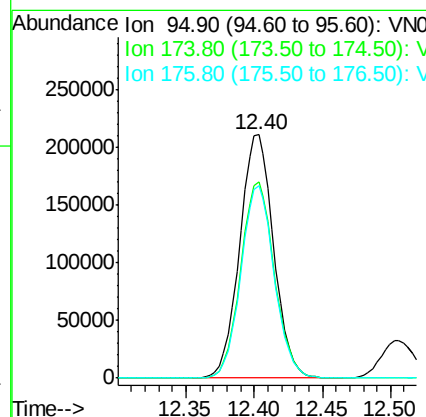
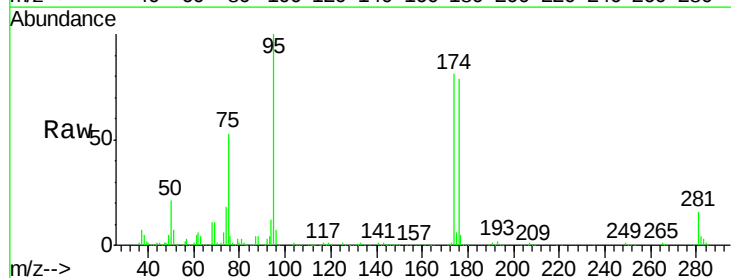
Manual Integrations
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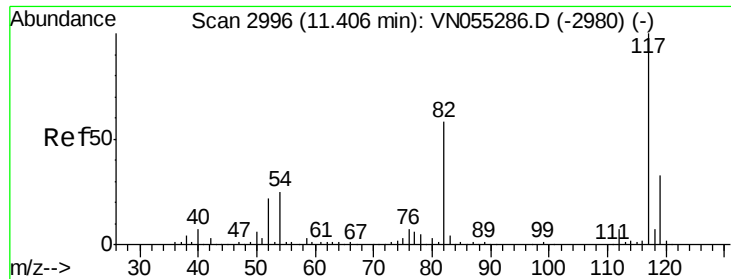
MMDadoda
 5/8/2019 10:18:46 AM



#62
 4-Bromofluorobenzene
 Concen: 57.332 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	166.6
176	77.5	0.0	157.8





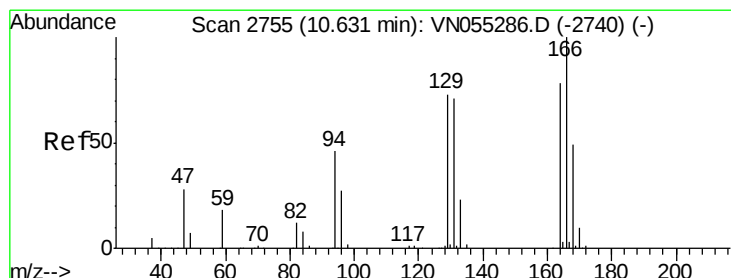
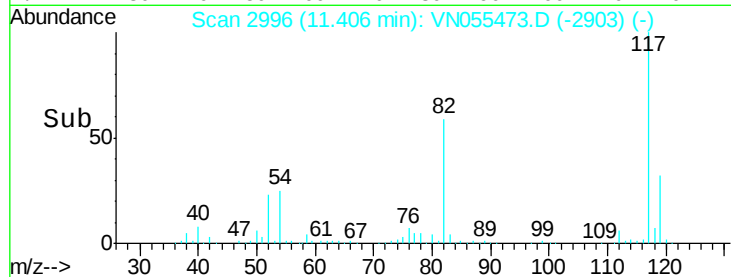
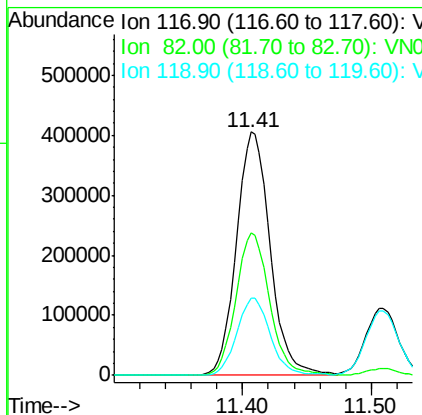
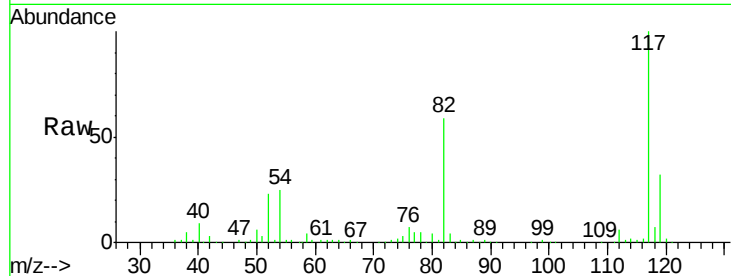
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	739935		
82	58.6	46.2	69.4	
119	31.6	26.6	40.0	

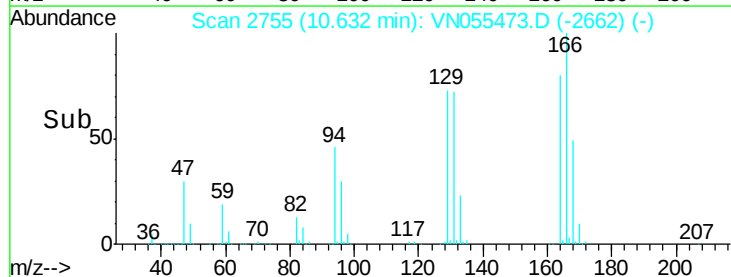
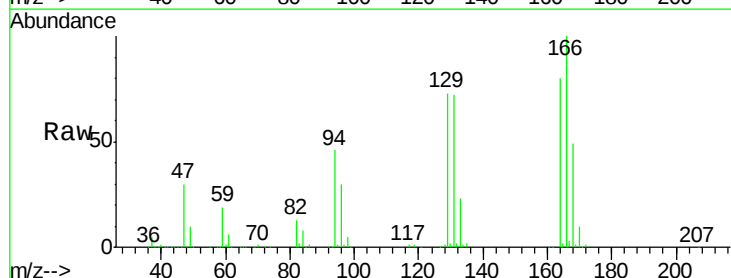
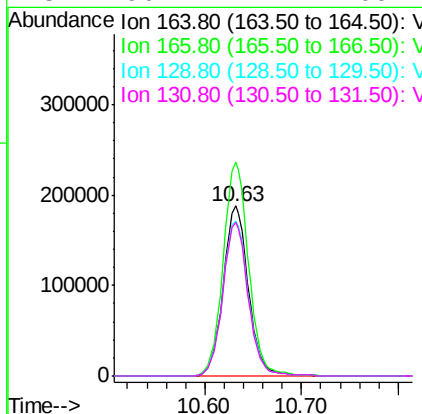
Manual Integrations
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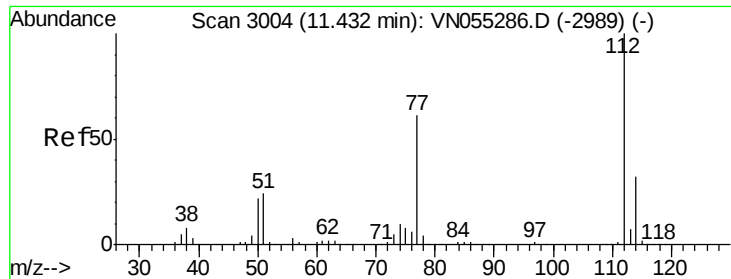
MMDadoda
5/8/2019 10:18:46 AM



#64
Tetrachloroethene
Concen: 55.883 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	338148		
166	125.6	102.3	153.5	
129	91.3	75.0	112.6	
131	90.4	72.7	109.1	





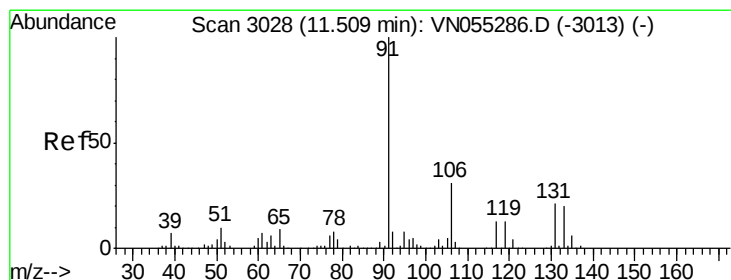
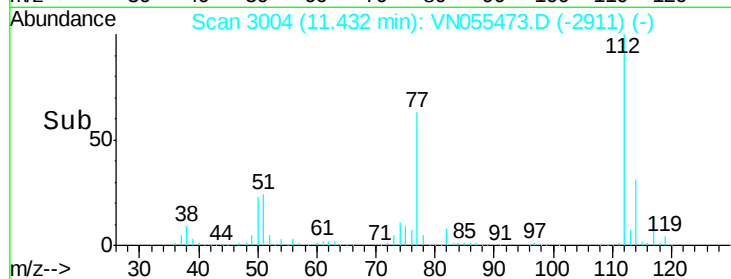
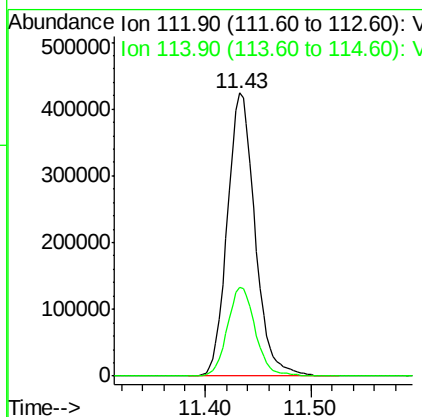
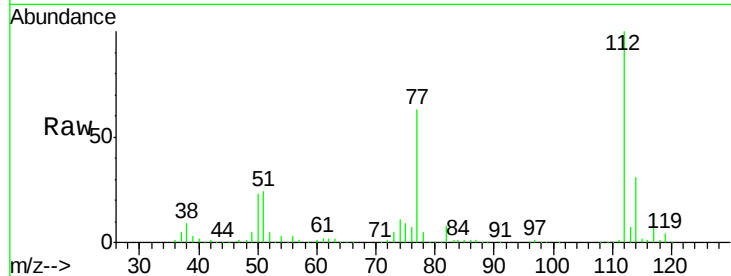
#65
Chlorobenzene
Concen: 53.142 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion:112 Resp: 768797
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9

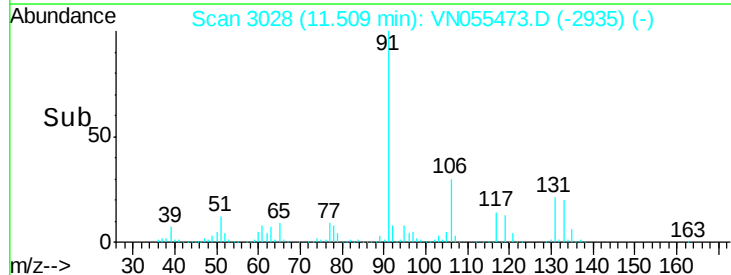
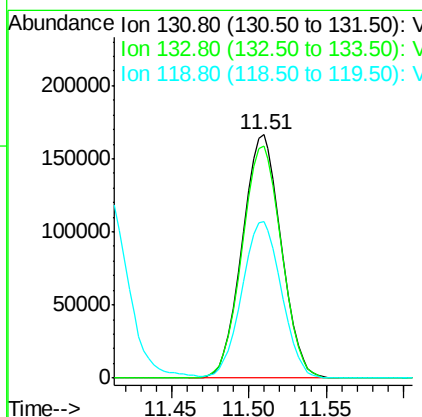
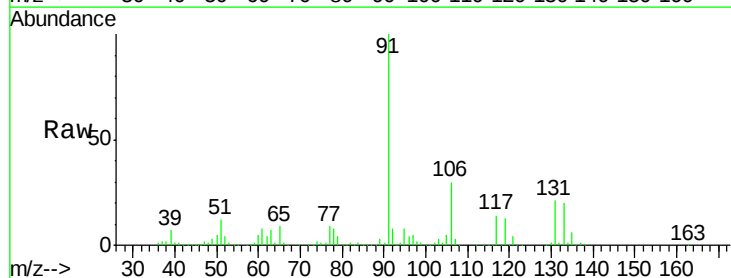
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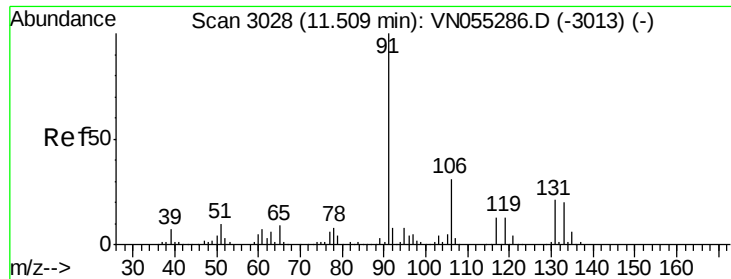
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.444 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion:131 Resp: 291412
Ion Ratio Lower Upper
131 100
133 96.7 47.5 142.6
119 65.5 32.7 98.1





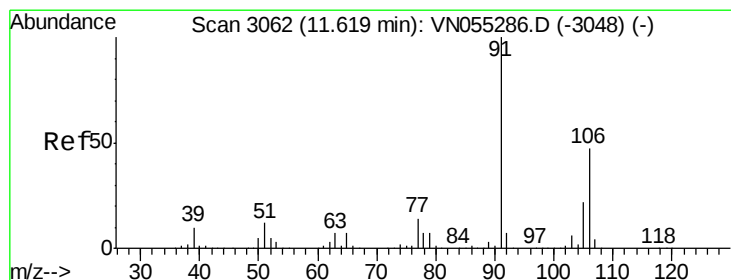
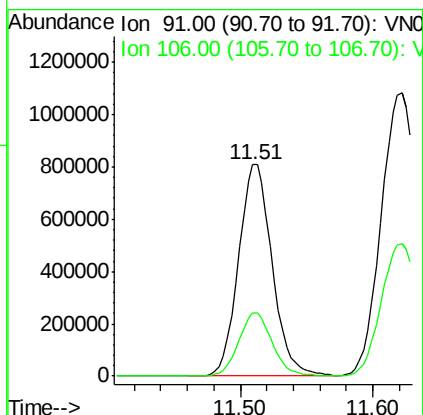
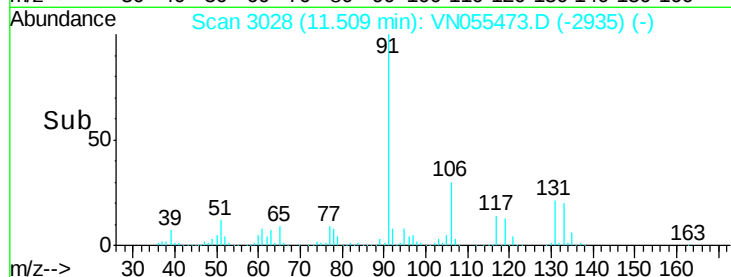
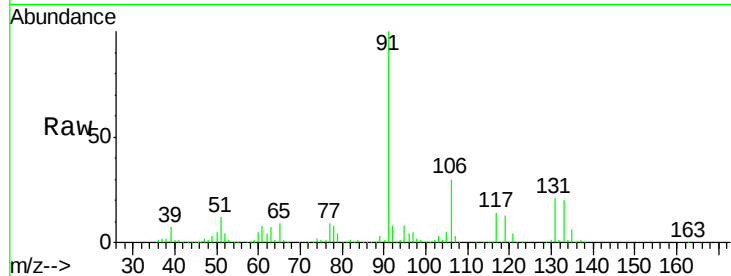
#67
Ethyl Benzene
Concen: 54.544 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 91 Resp: 1424912
Ion Ratio Lower Upper
91 100
106 29.8 24.6 36.8

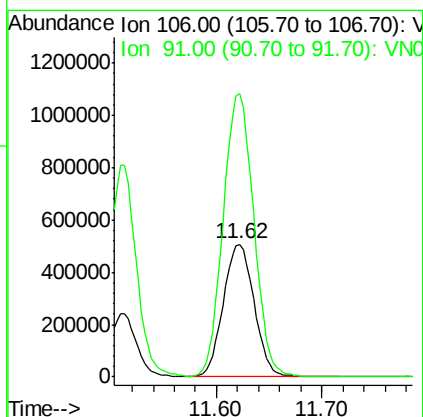
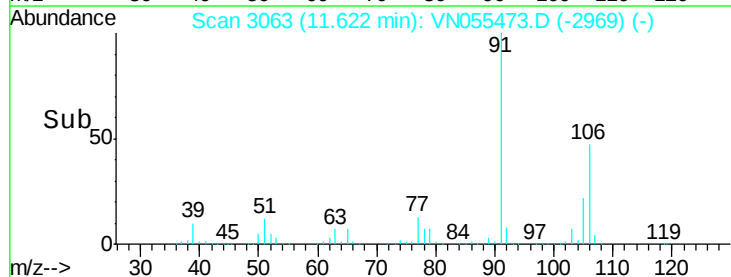
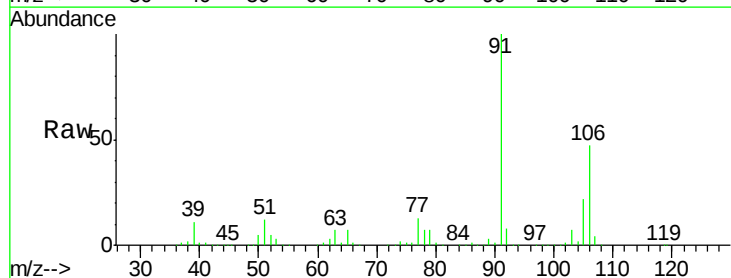
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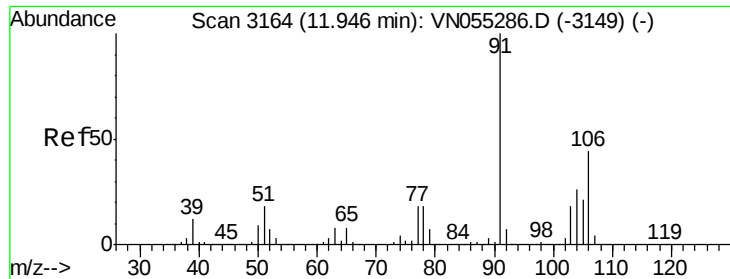
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#68
m/p-Xylenes
Concen: 109.967 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion: 106 Resp: 1025419
Ion Ratio Lower Upper
106 100
91 212.2 169.5 254.3





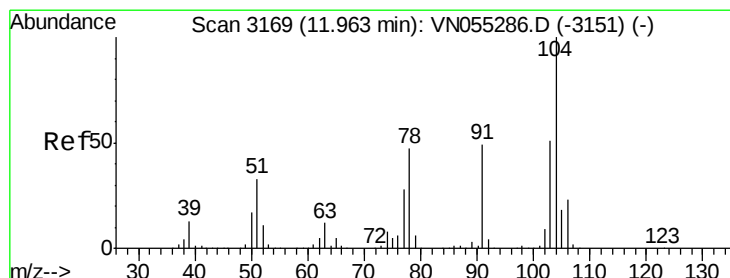
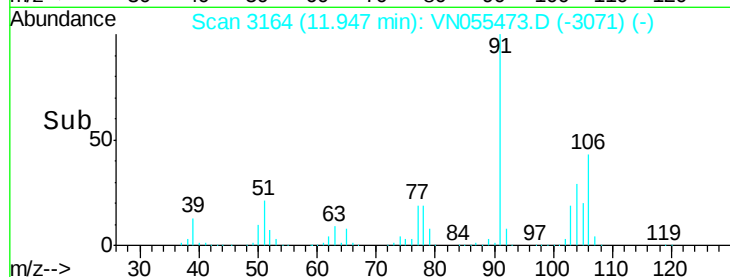
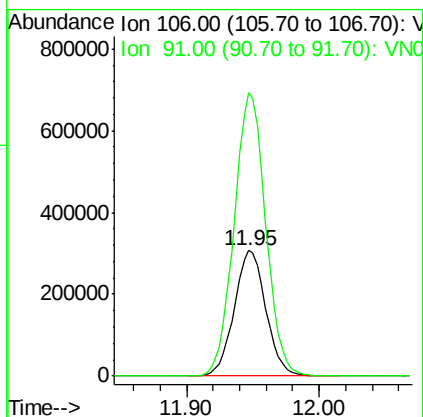
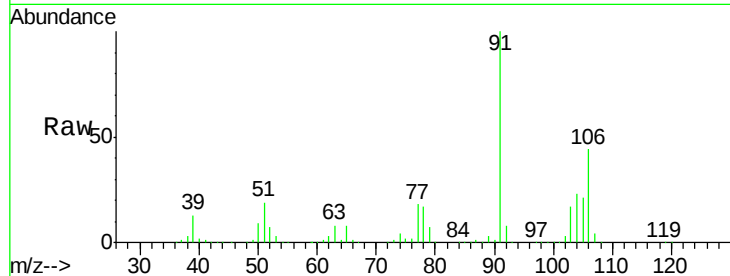
#69
o-Xylene
Concen: 54.940 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion:106 Resp: 507778
Ion Ratio Lower Upper
106 100
91 225.4 111.5 334.5

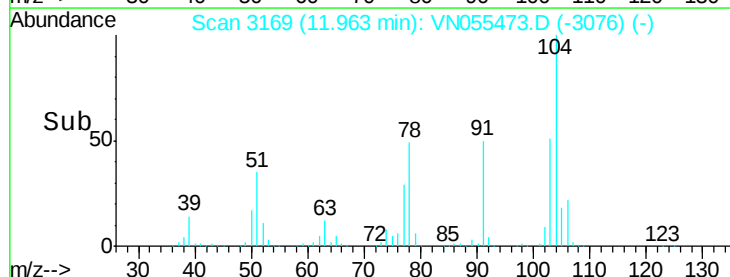
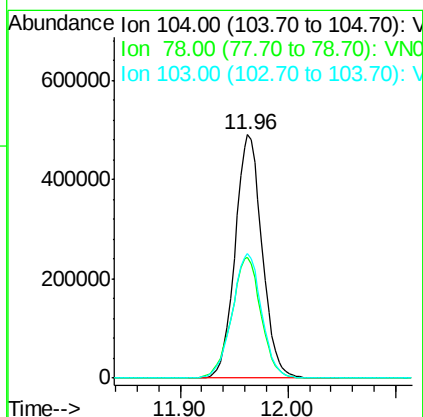
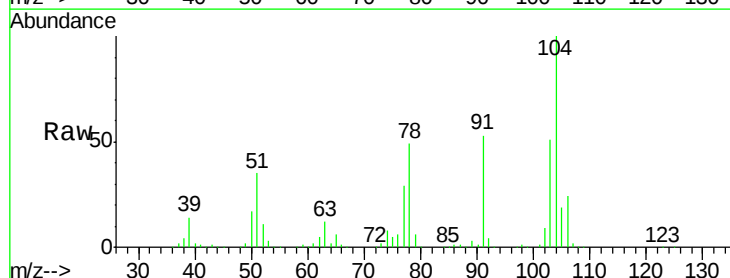
Manual Integrations
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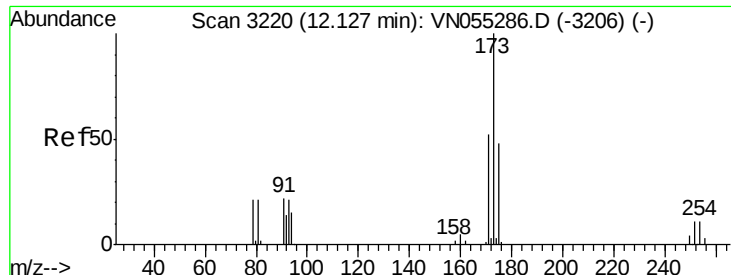
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#70
Styrene
Concen: 60.310 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion:104 Resp: 855858
Ion Ratio Lower Upper
104 100
78 53.8 42.2 63.2
103 55.6 44.6 67.0





#71

Bromoform

Concen: 57.316 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

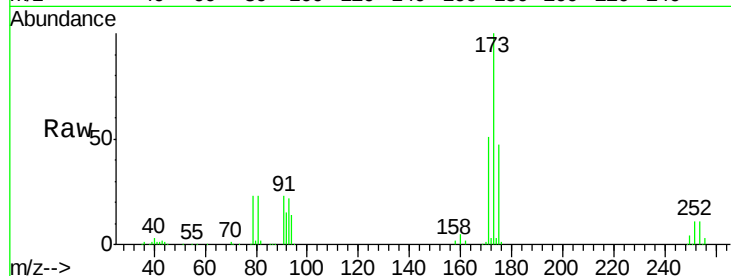
ClientSampleId :

P026-SS002-1218-01MS

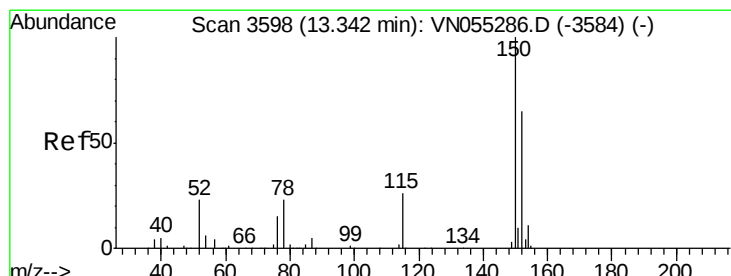
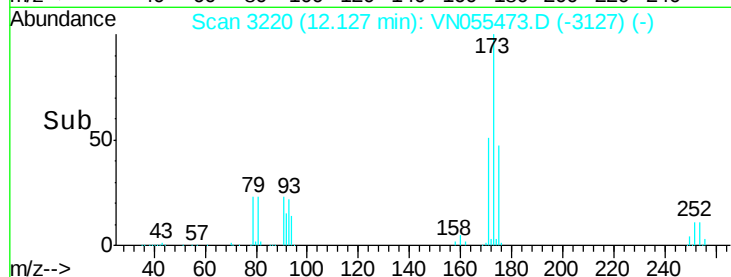
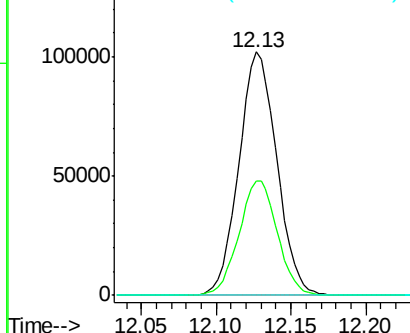
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.6	71.0
254	0.1	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

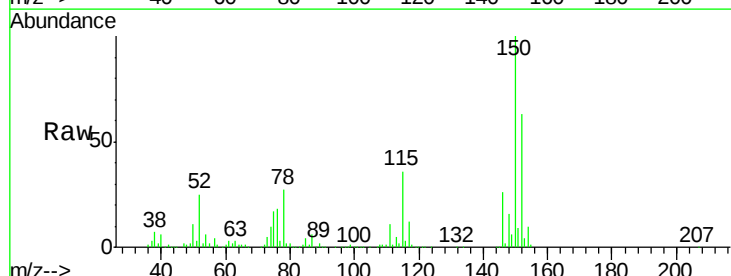
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

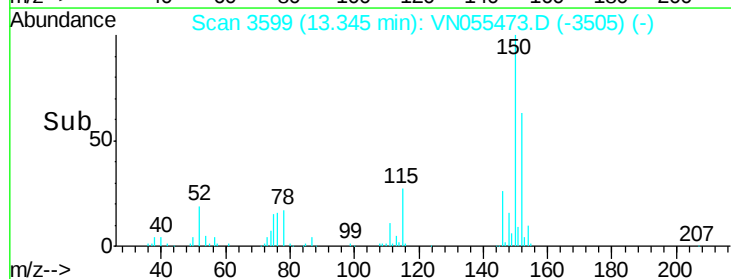
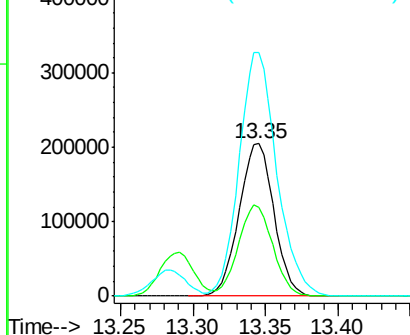
Lab File: VN055473.D

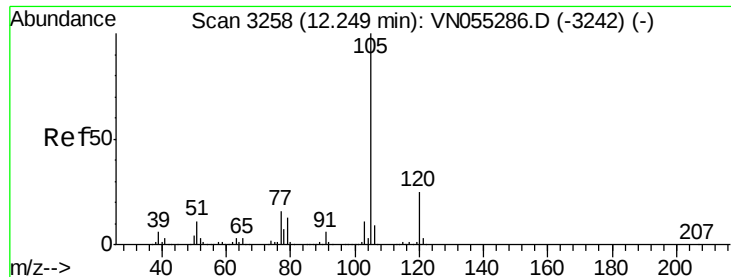
Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.0	87.0
150	172.7	0.0	345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.190 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:105 Resp: 1388845

Ion Ratio Lower Upper

105 100

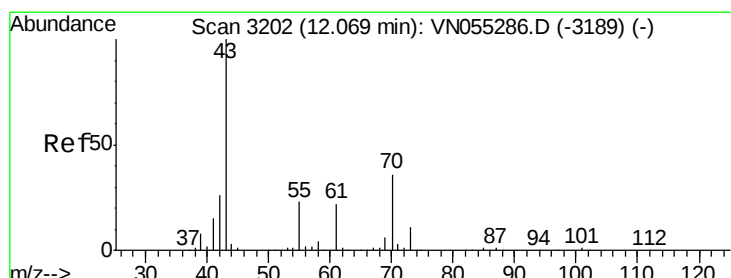
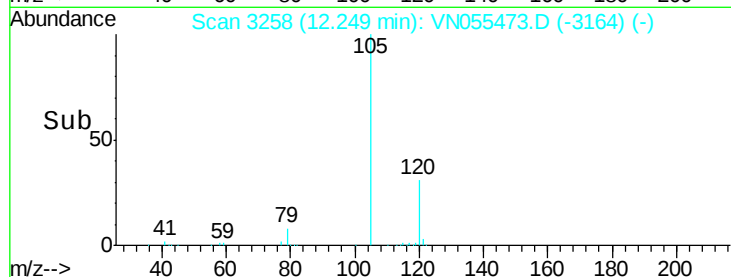
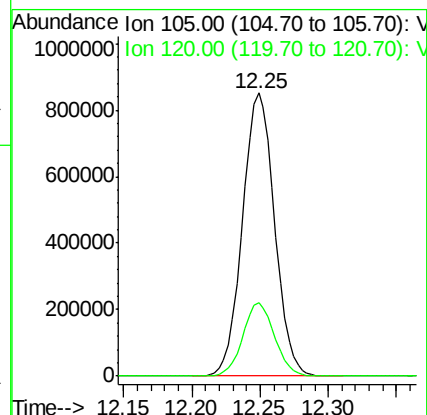
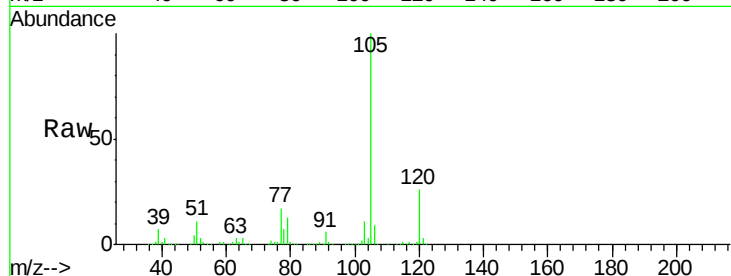
120 25.7 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 59.130 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Tgt Ion: 43 Resp: 518198

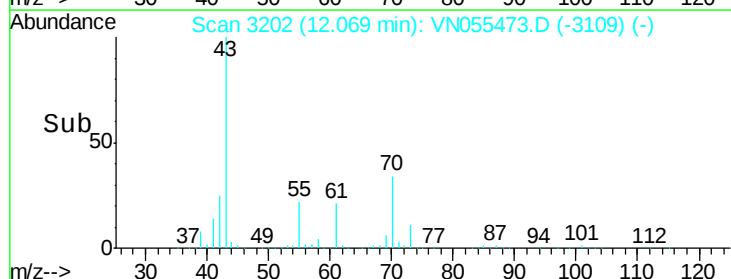
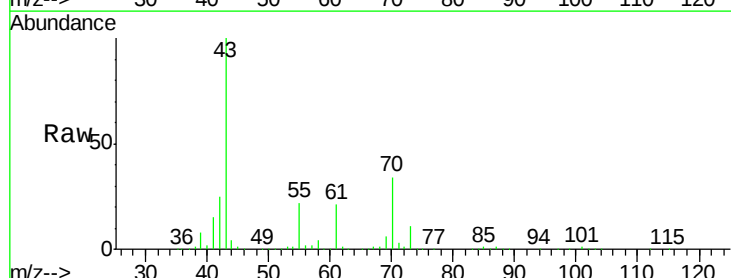
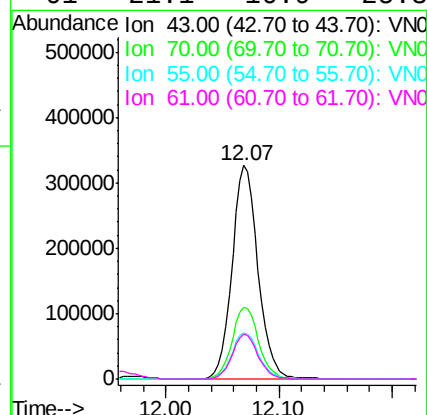
Ion Ratio Lower Upper

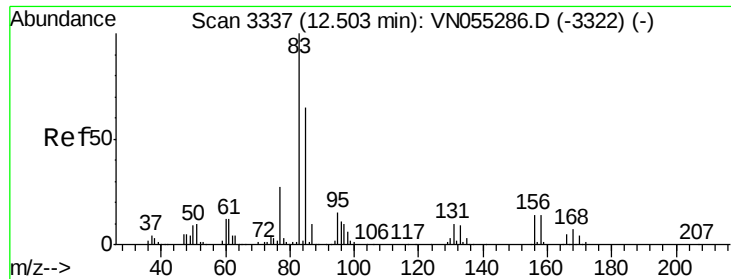
43 100

70 34.6 27.9 41.9

55 22.6 18.2 27.2

61 21.1 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 53.336 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

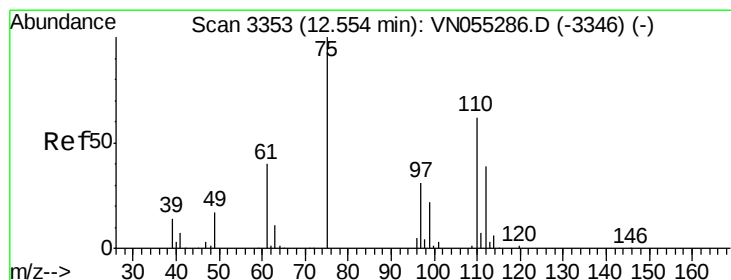
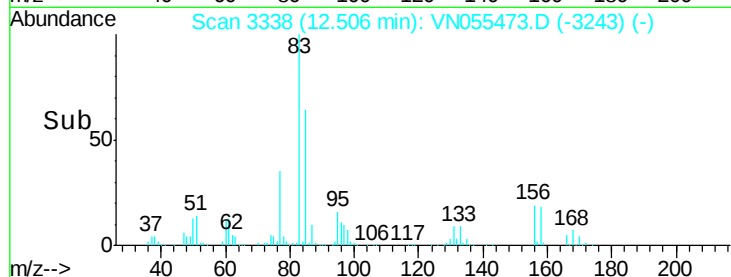
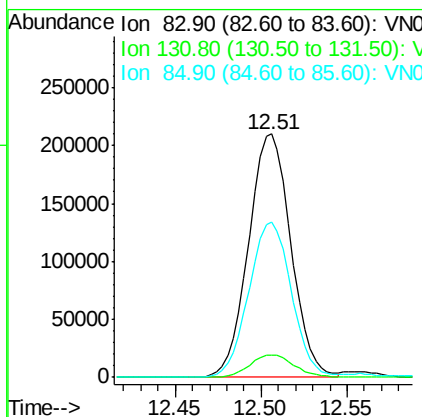
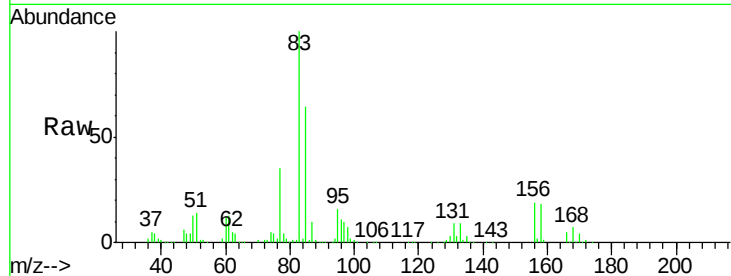
ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:	83	Resp:	359431
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.2
85	64.2	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 48.501 ug/l m

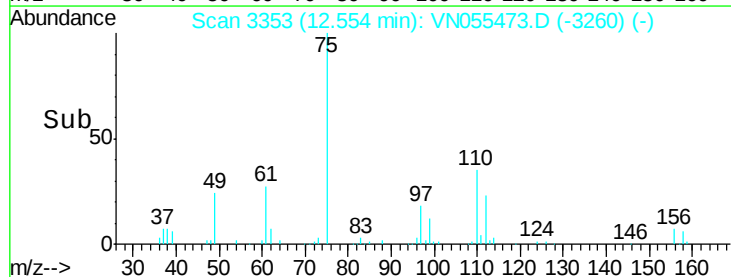
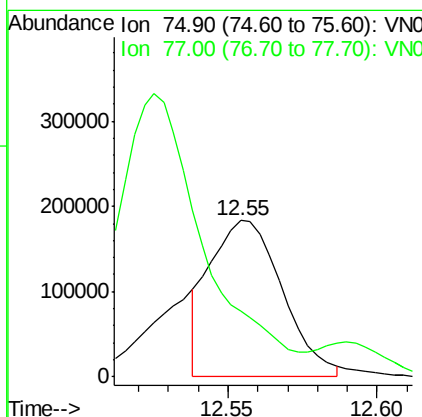
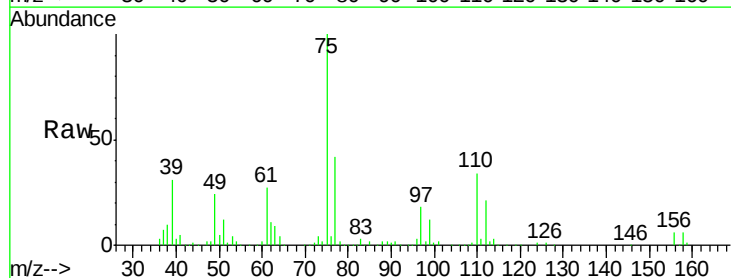
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Tgt Ion:	75	Resp:	308327
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.601 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

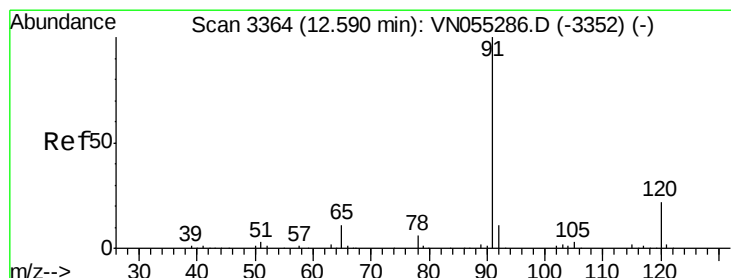
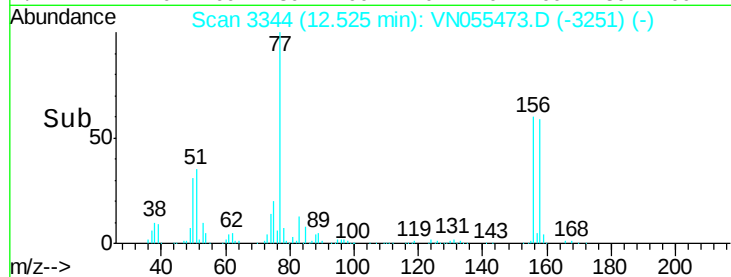
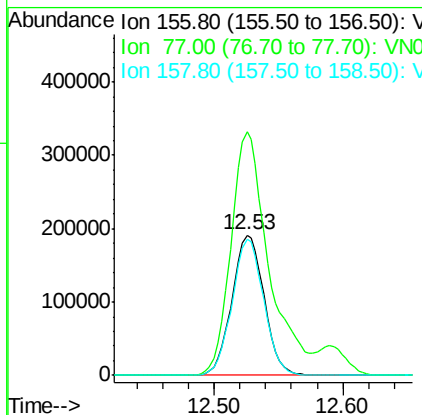
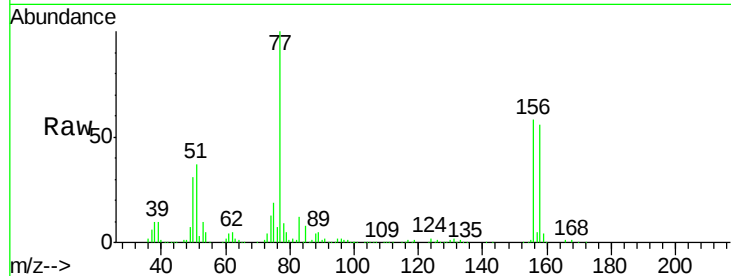
ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:	156	Resp:	329449
Ion Ratio	Lower	Upper	
156	100		
77	203.9	99.6	298.8
158	95.9	49.3	147.8

Manual Integrations
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MMDadoda
5/8/2019 10:18:46 AM



#78

n-propylbenzene

Concen: 45.697 ug/l

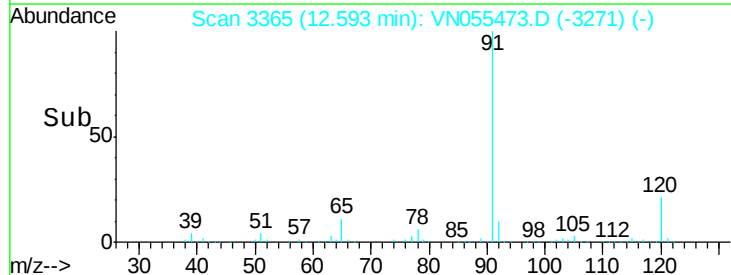
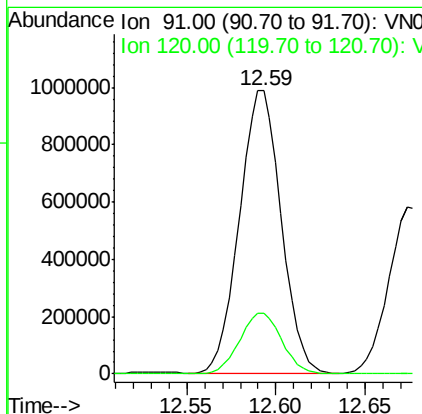
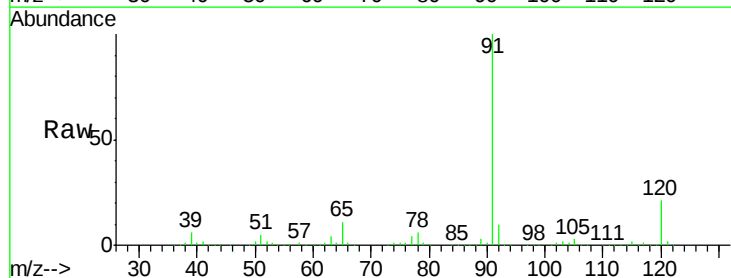
RT: 12.59 min Scan# 3365

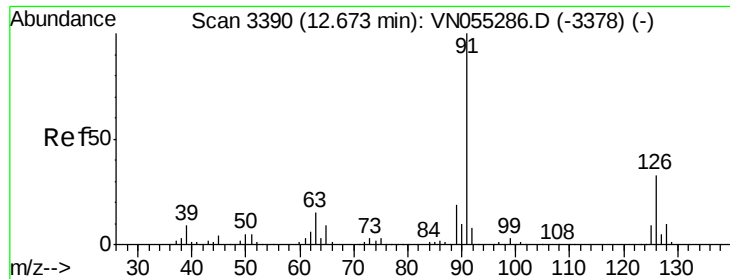
Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Tgt Ion:	91	Resp:	1602917
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.0	33.0





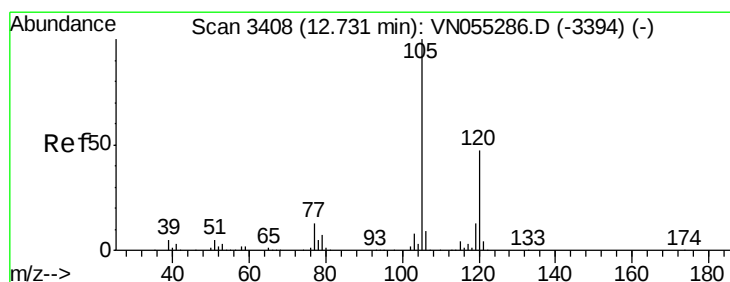
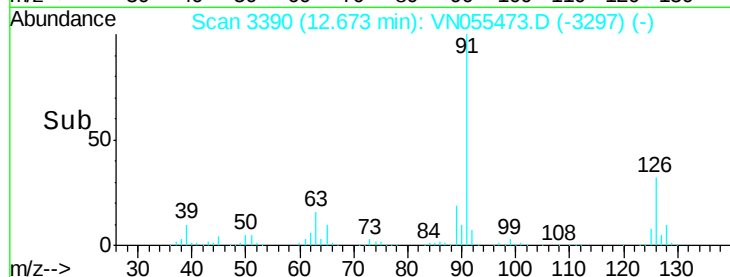
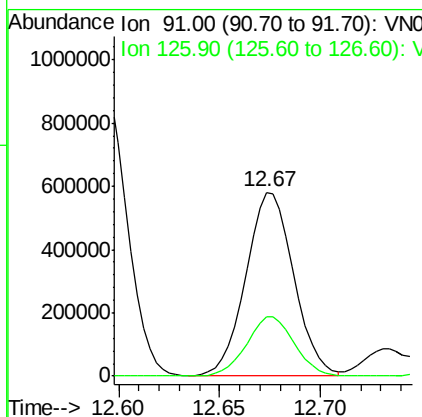
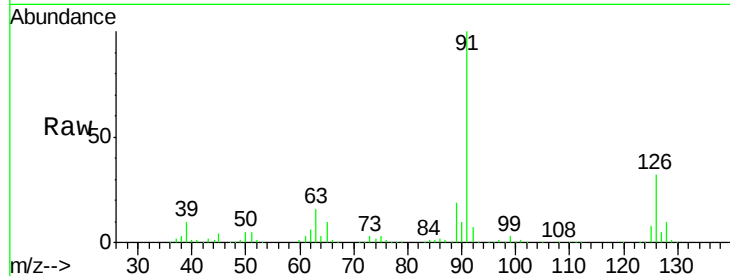
#79
2-Chlorotoluene
Concen: 52.056 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 91 Resp: 961352
Ion Ratio Lower Upper
91 100
126 32.5 16.6 49.7

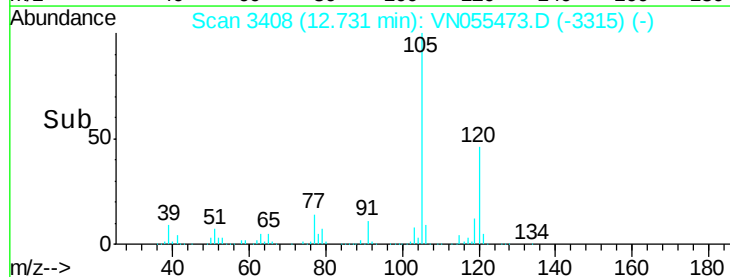
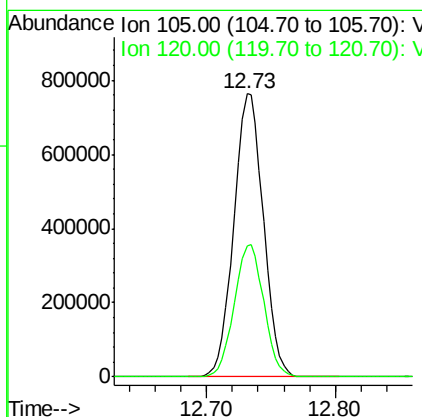
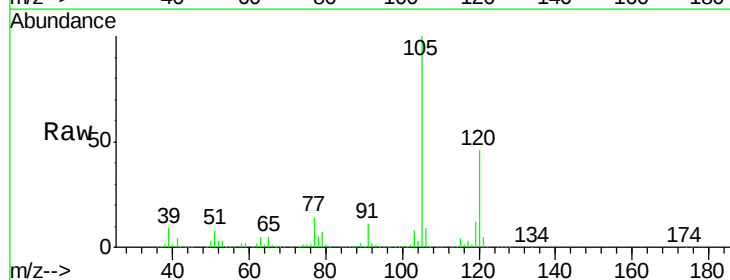
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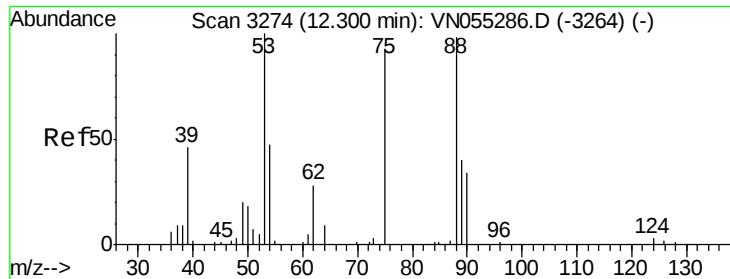
MMDadoda
5/8/2019 10:18:46 AM



#80
1,3,5-Trimethylbenzene
Concen: 45.217 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion: 105 Resp: 1210494
Ion Ratio Lower Upper
105 100
120 46.9 23.4 70.0





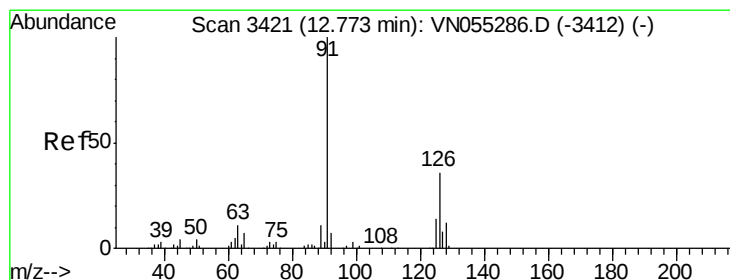
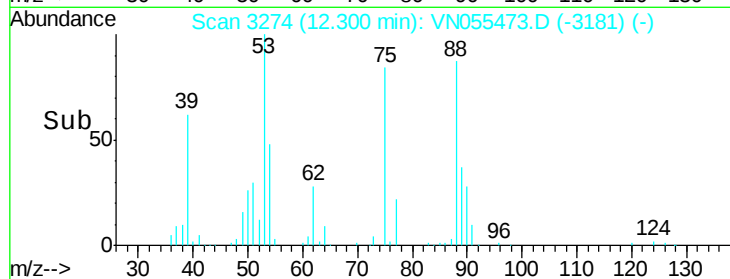
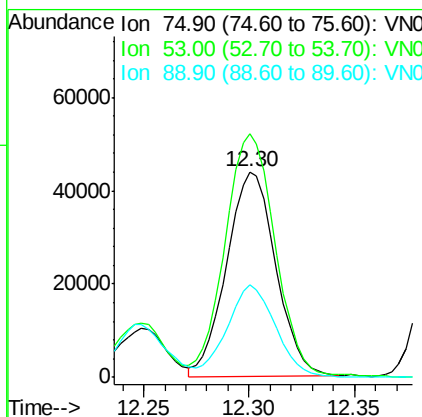
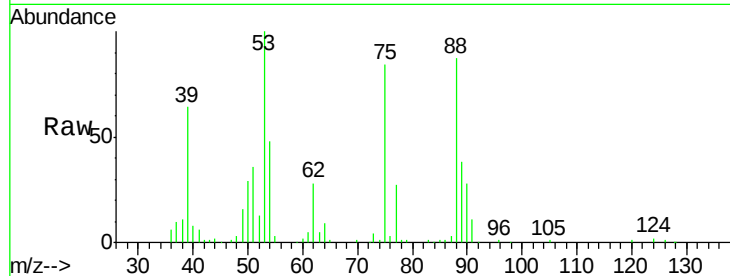
#81
trans-1,4-Dichloro-2-butene
Concen: 39.057 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	124.0	86.3	129.5
89	44.9	34.6	51.8

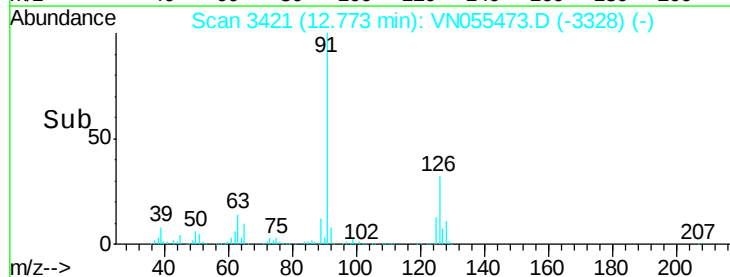
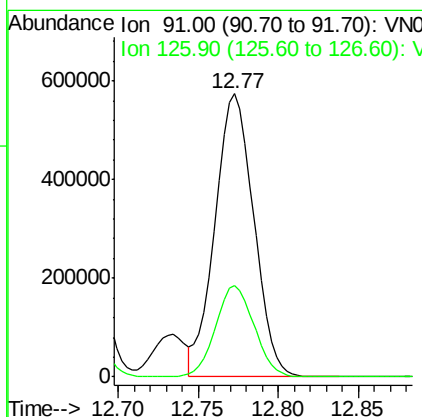
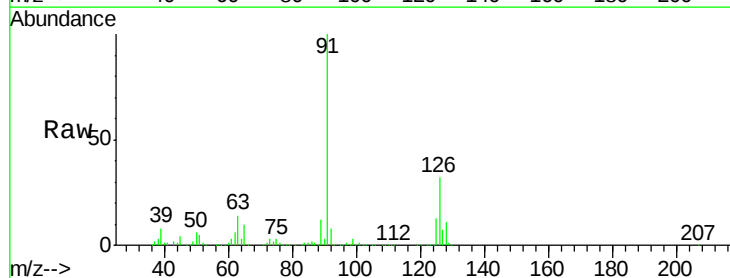
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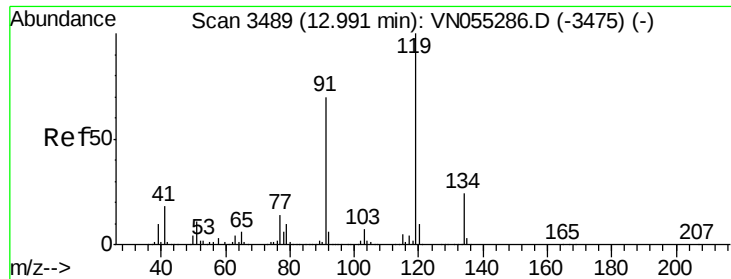
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#82
4-Chlorotoluene
Concen: 46.851 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.6	49.7





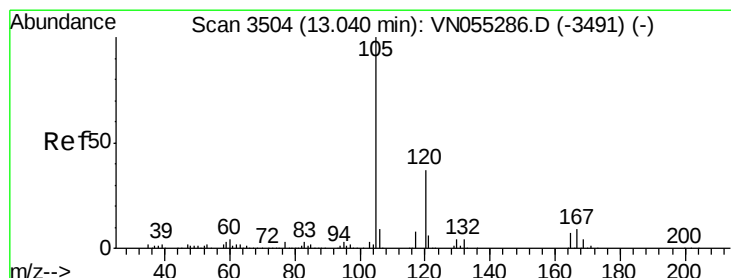
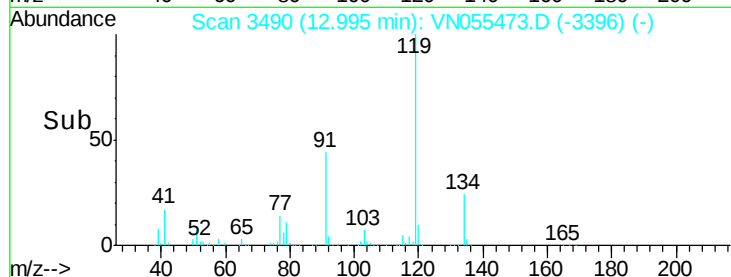
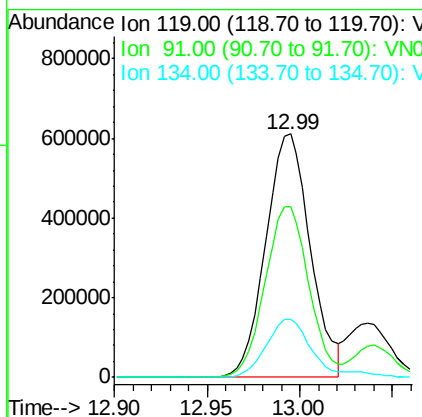
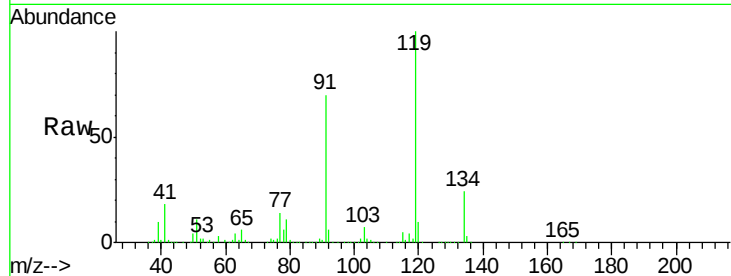
#83
 tert-Butylbenzene
 Concen: 54.485 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion:119 Resp: 1027480
 Ion Ratio Lower Upper
 119 100
 91 68.8 34.3 102.9
 134 25.0 13.1 39.3

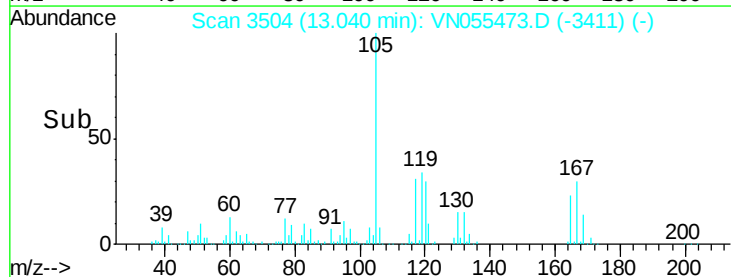
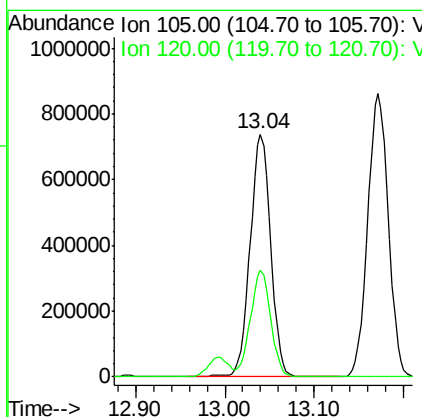
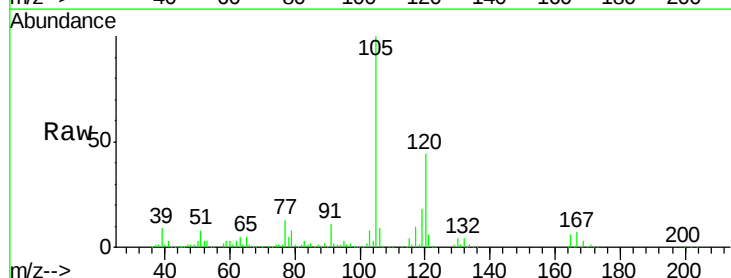
Manual Integrations
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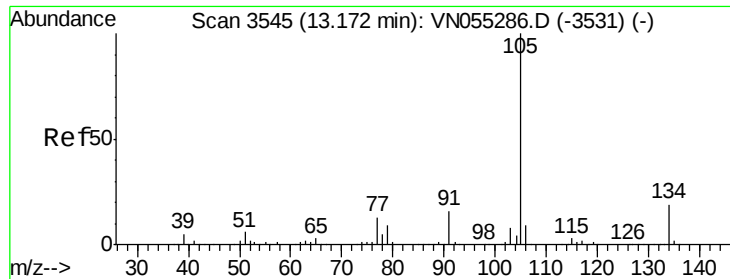
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.555 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion:105 Resp: 1186470
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 47.097 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:105 Resp: 1370402

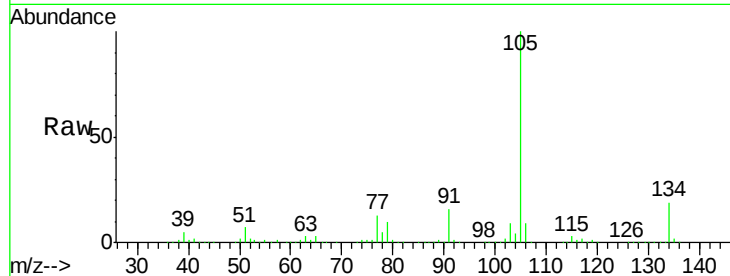
Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

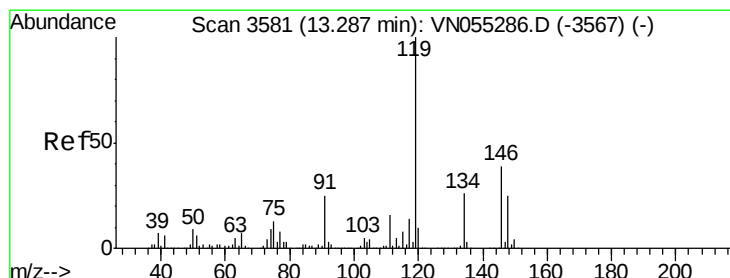
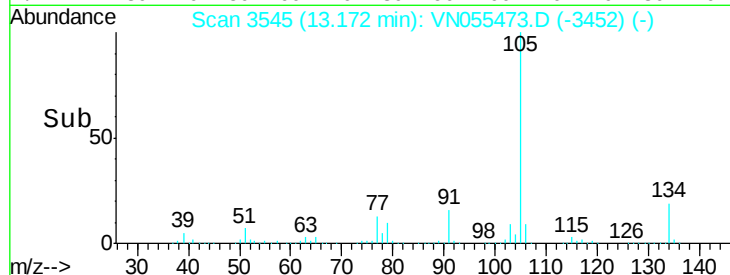
400000

200000

0

13.10 13.17 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 50.850 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055473.D

Acq: 8 May 2019 7:01

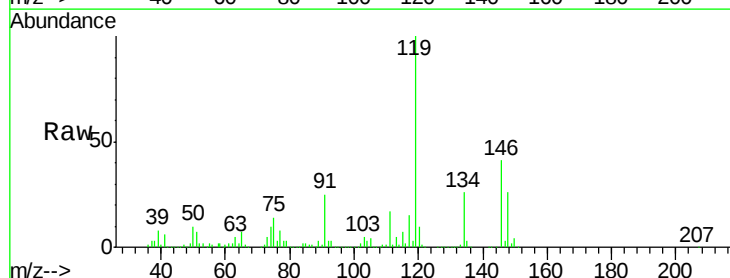
Tgt Ion:119 Resp: 1216115

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.8 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

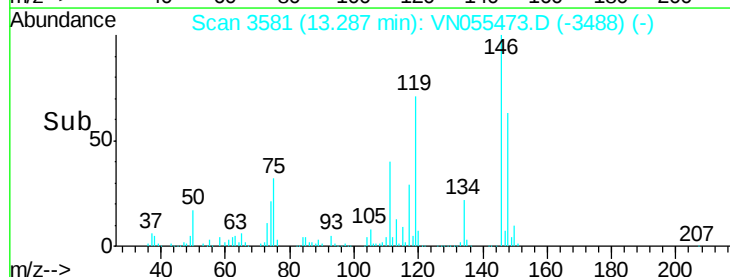
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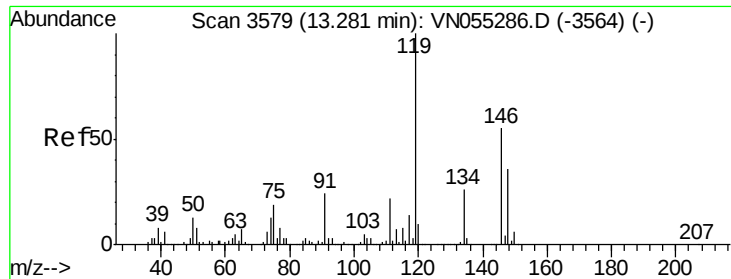
200000

0

13.20 13.25 13.30 13.35

Time-->





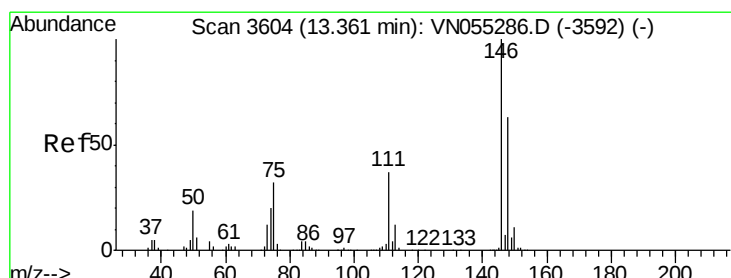
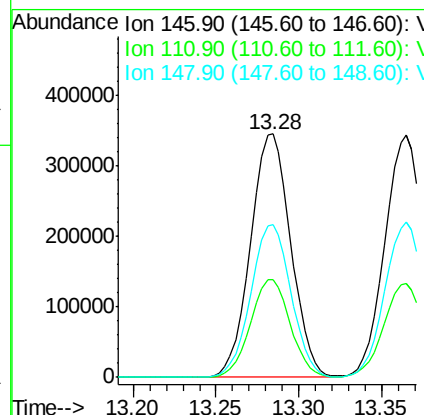
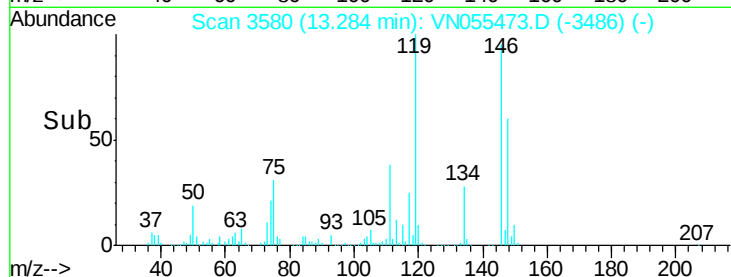
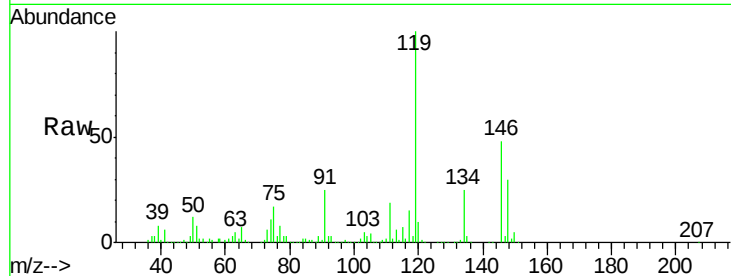
#87
 1,3-Dichlorobenzene
 Concen: 51.032 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	583129		
111	39.6	20.3	60.8	
148	62.6	32.5	97.5	

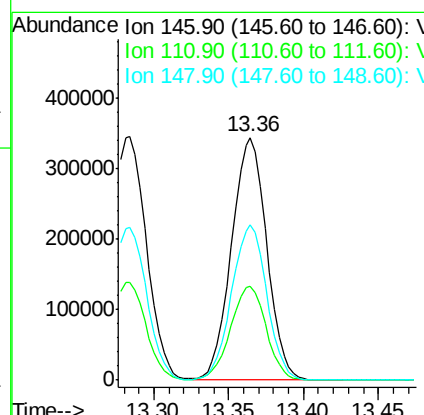
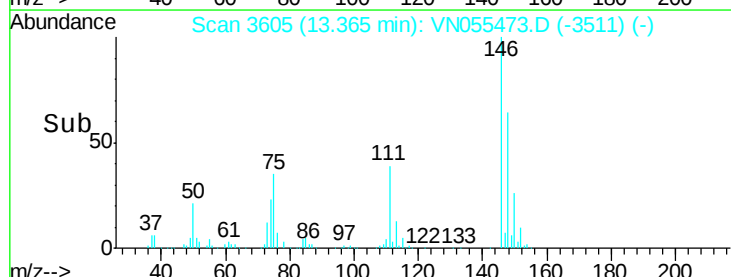
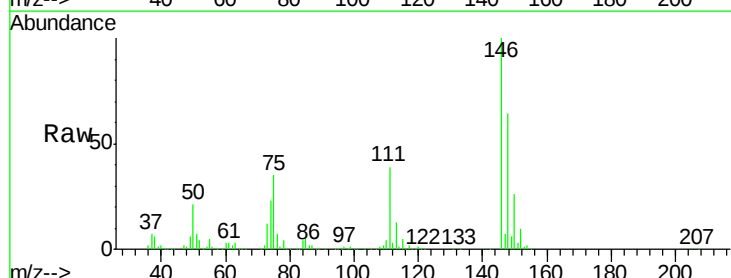
Manual Integrations
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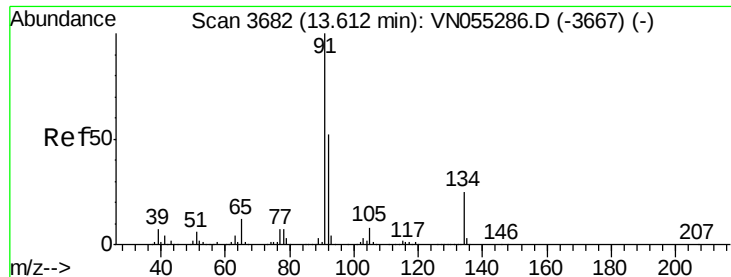
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#88
 1,4-Dichlorobenzene
 Concen: 52.381 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	563663		
111	39.1	19.5	58.5	
148	64.1	32.5	97.4	





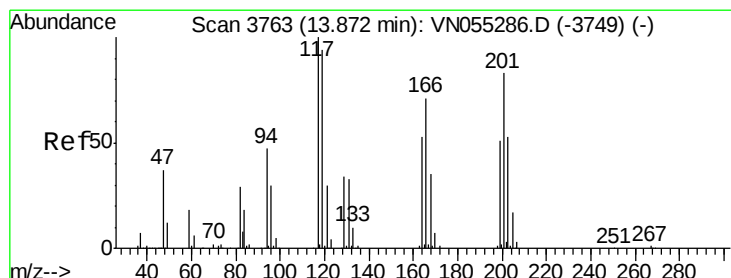
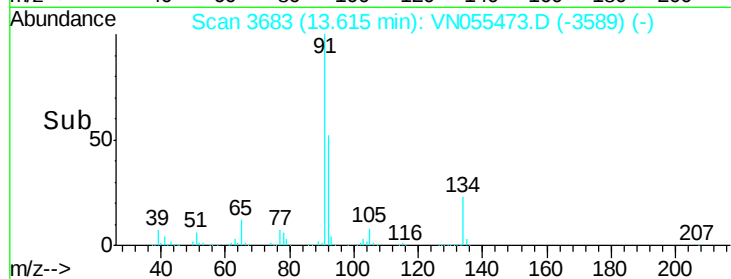
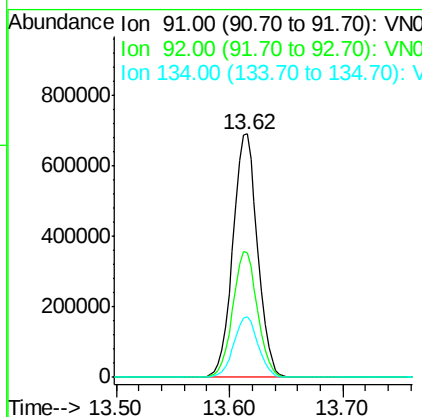
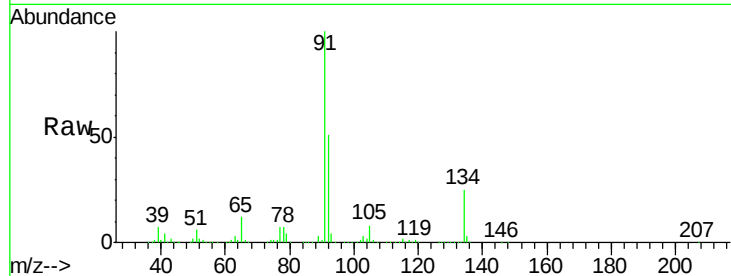
#89
n-Butylbenzene
Concen: 61.358 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 91 Resp: 1042727
Ion Ratio Lower Upper
91 100
92 51.7 26.1 78.3
134 24.6 12.4 37.4

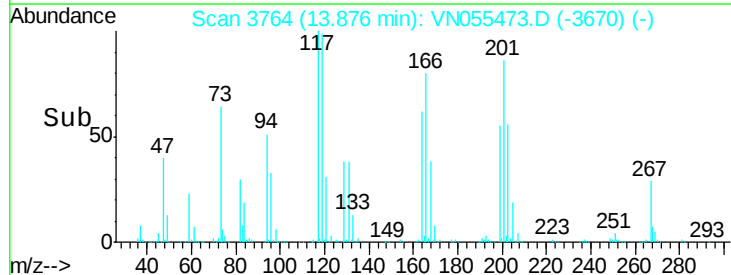
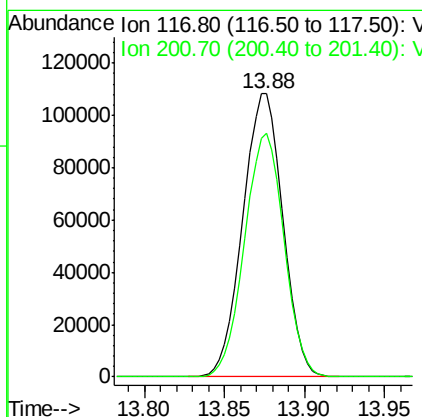
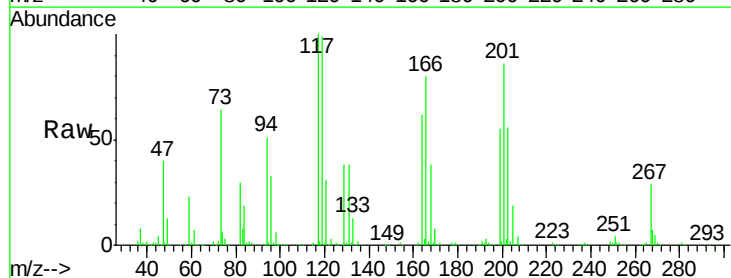
Manual Integrations
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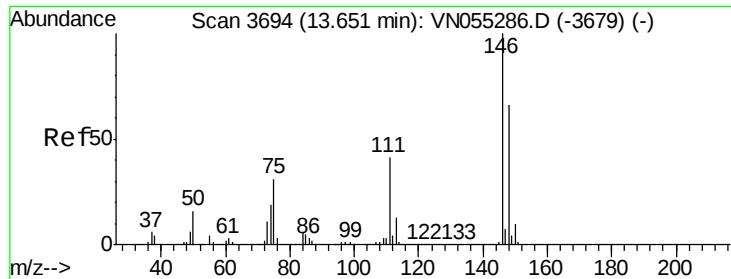
MMDadoda
5/8/2019 10:18:46 AM



#90
Hexachloroethane
Concen: 48.877 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion: 117 Resp: 185217
Ion Ratio Lower Upper
117 100
201 84.8 41.9 125.8





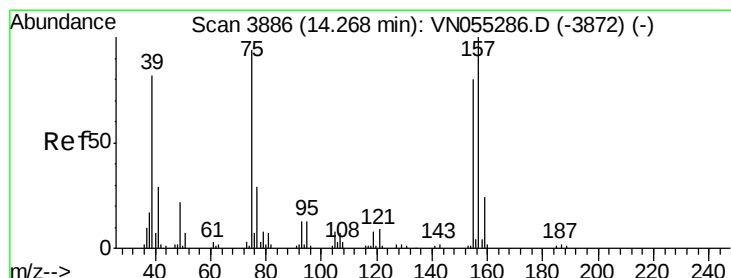
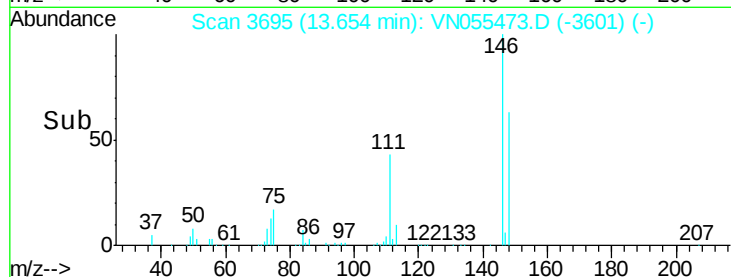
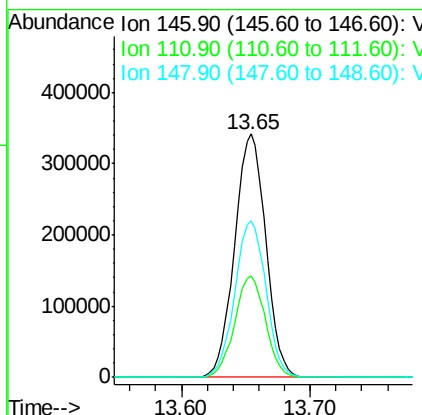
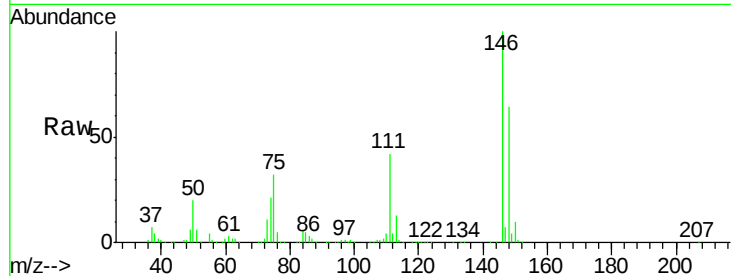
#91
 1,2-Dichlorobenzene
 Concen: 50.559 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	572598		
111	41.2	20.3	61.0	
148	64.2	32.4	97.2	

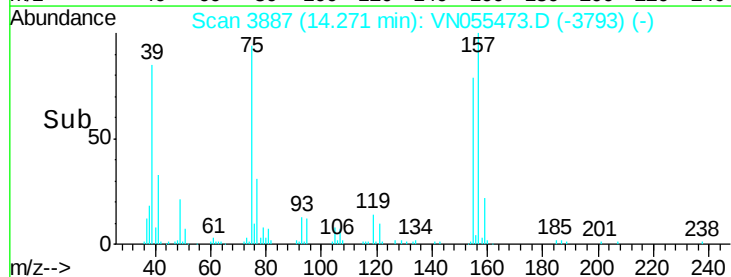
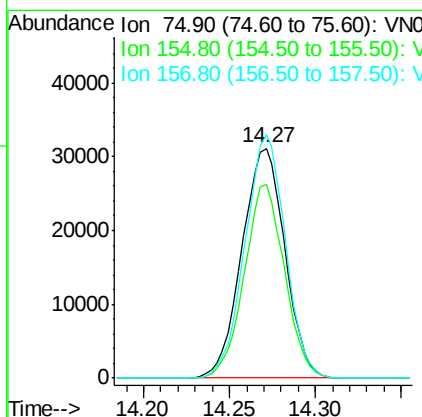
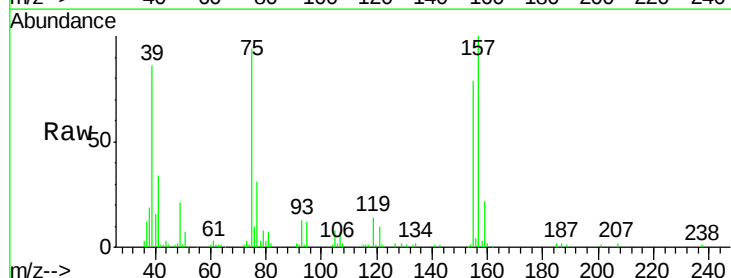
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.091 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53984		
155	78.9	41.5	124.6	
157	99.8	54.0	162.2	





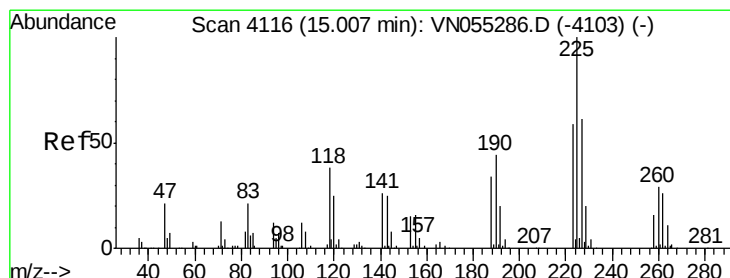
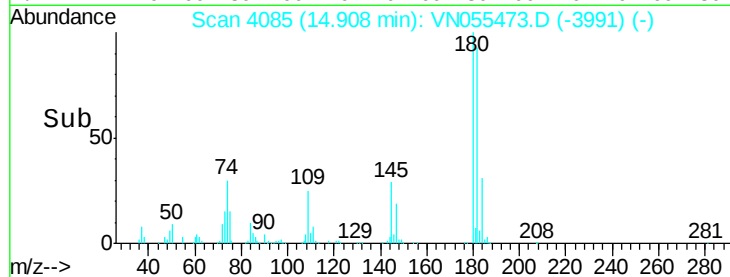
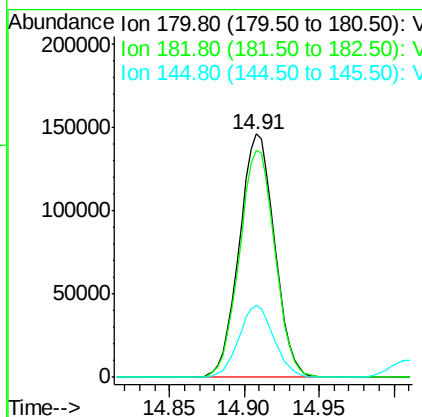
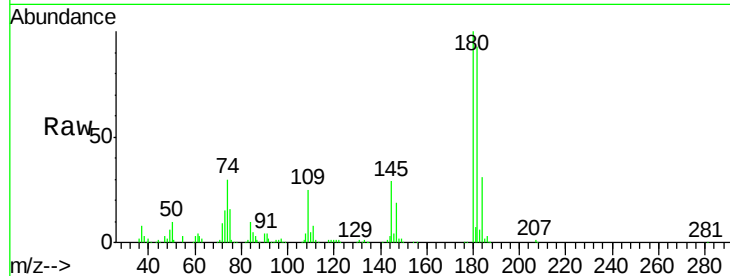
#93
 1,2,4-Trichlorobenzene
 Concen: 53.530 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	240121		
182	93.8	48.3	144.9	
145	29.3	14.2	42.6	

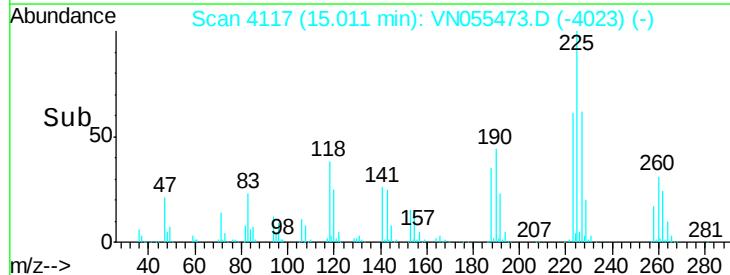
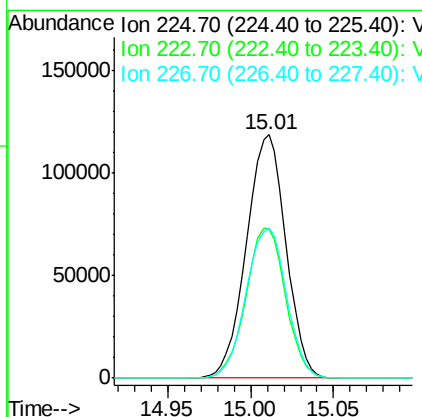
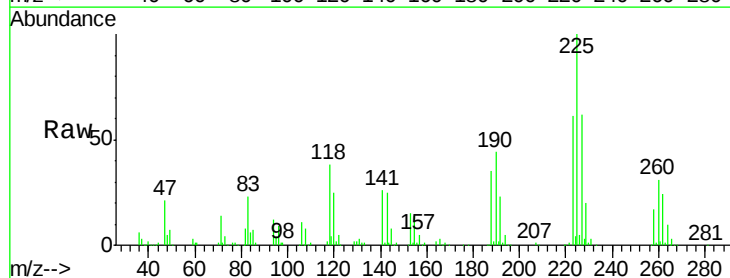
Manual Integrations
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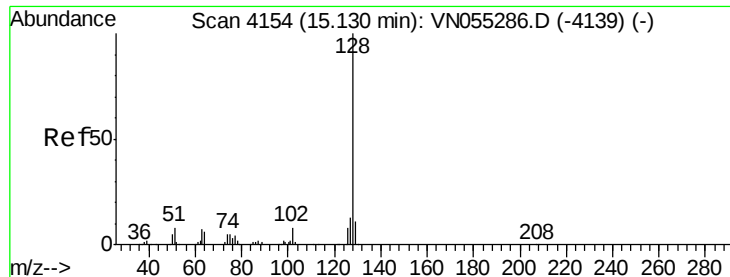
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#94
 Hexachlorobutadiene
 Concen: 58.061 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055473.D
 Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	196327		
223	61.7	30.3	90.8	
227	63.0	30.9	92.7	





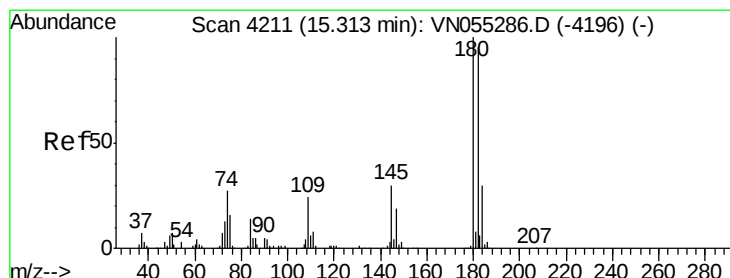
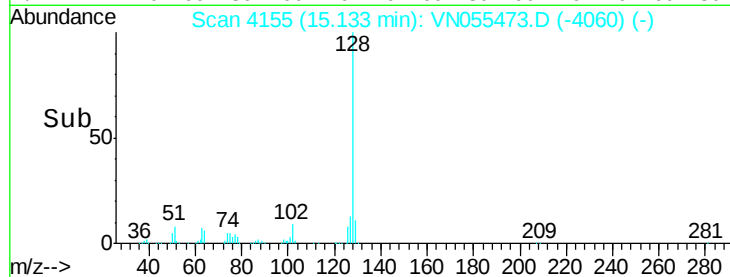
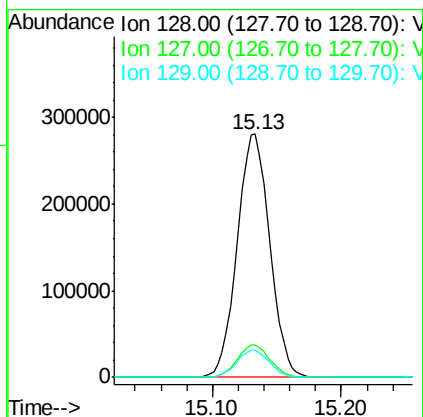
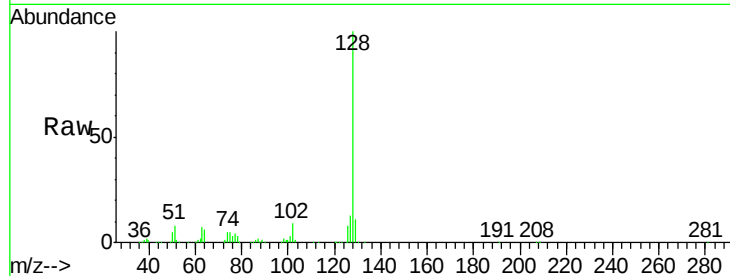
#95
Naphthalene
Concen: 51.814 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	493026		
127	13.2		10.7	16.1
129	11.1		8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 55.214 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055473.D
Acq: 8 May 2019 7:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	244042		
182	94.4		48.3	144.9
145	30.9		15.2	45.6

