

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055439.D
 Acq On : 7 May 2019 15:54
 Operator : JC/SP
 Sample : VN0507MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0507MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:22:11 AM

Quant Time: May 07 16:59:00 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	341994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	563727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	473059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183272	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	237014	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
35) Dibromofluoromethane	7.59	113	180549	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	638993	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	12.40	95	214654	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	78265	18.678	ug/l	98
3) Chloromethane	2.06	50	86865	16.742	ug/l	99
4) Vinyl Chloride	2.19	62	75522	18.057	ug/l	99
5) Bromomethane	2.56	94	42664	19.258	ug/l	96
6) Chloroethane	2.71	64	42180	18.617	ug/l	90
7) Trichlorofluoromethane	3.02	101	117168	19.702	ug/l	96
8) Diethyl Ether	3.42	74	45509	21.872	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	69362	19.586	ug/l	99
10) Methyl Iodide	3.96	142	92390	18.537	ug/l	100
11) Tert butyl alcohol	4.79	59	35015	136.696	ug/l	99
12) 1,1-Dichloroethene	3.74	96	65675	19.440	ug/l	97
13) Acrolein	3.61	56	12352	61.746	ug/l	100
14) Allyl chloride	4.33	41	142082	20.307	ug/l	99
15) Acrylonitrile	5.00	53	175582	121.949	ug/l	99
16) Acetone	3.82	43	141197	101.285	ug/l	98
17) Carbon Disulfide	4.06	76	137976	15.650	ug/l	98
18) Methyl Acetate	4.33	43	94392	27.326	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	222292	23.406	ug/l	98
20) Methylene Chloride	4.55	84	81588	19.174	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	69096	19.312	ug/l	98
22) Diisopropyl ether	5.96	45	310322	22.322	ug/l	98
23) Vinyl Acetate	5.90	43	1049992	115.239	ug/l	99
24) 1,1-Dichloroethane	5.85	63	153723	20.753	ug/l	98
25) 2-Butanone	6.84	43	216402	121.382	ug/l	99
26) 2,2-Dichloropropane	6.83	77	97452	19.052	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	86122	21.167	ug/l	99
28) Bromochloromethane	7.20	49	76734	20.552	ug/l	99
29) Tetrahydrofuran	7.22	42	150389	131.737	ug/l	98
30) Chloroform	7.37	83	149798	21.334	ug/l	99
31) Cyclohexane	7.65	56	136084	19.337	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	117471	20.613	ug/l	99
36) 1,1-Dichloropropene	7.80	75	99490	18.425	ug/l	99
37) Ethyl Acetate	6.93	43	97702	23.609	ug/l	100
38) Carbon Tetrachloride	7.77	117	96315	18.491	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	111196	19.369	ug/l	99
40) Benzene	8.04	78	317695	19.959	ug/l	100
41) Methacrylonitrile	7.17	41	52632	23.891	ug/l	95
42) 1,2-Dichloroethane	8.13	62	116305	20.630	ug/l	99
43) Isopropyl Acetate	8.17	43	163833	24.634	ug/l #	90
44) Trichloroethene	8.84	130	78361	19.311	ug/l	99
45) 1,2-Dichloropropane	9.12	63	92840	20.222	ug/l	98
46) Dibromomethane	9.21	93	51741	20.619	ug/l	98
47) Bromodichloromethane	9.40	83	110050	20.442	ug/l	97
48) Methyl methacrylate	9.20	41	77198	23.612	ug/l	98
49) 1,4-Dioxane	9.21	88	16895	499.891	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	462442	123.503	ug/l	99
52) Toluene	10.16	92	179853	19.692	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	95927	20.526	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	117601	20.183	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	74220	21.884	ug/l	98
56) Ethyl methacrylate	10.43	69	96656	23.154	ug/l	100
57) 1,3-Dichloropropane	10.71	76	126040	21.184	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	98935	84.982	ug/l	100
59) 2-Hexanone	10.75	43	295949	126.322	ug/l	97
60) Dibromochloromethane	10.90	129	73228	21.126	ug/l	98
61) 1,2-Dibromoethane	11.01	107	67174	21.429	ug/l	99
64) Tetrachloroethene	10.63	164	79325	20.505	ug/l	99
65) Chlorobenzene	11.43	112	184193	19.915	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73560	20.312	ug/l	98
67) Ethyl Benzene	11.51	91	339503	20.327	ug/l	98
68) m/p-Xylenes	11.62	106	239918	40.244	ug/l	100
69) o-Xylene	11.95	106	121626	20.584	ug/l	100
70) Styrene	11.96	104	193728	21.353	ug/l	99
71) Bromoform	12.13	173	43859	21.825	ug/l #	97
73) Isopropylbenzene	12.25	105	332395	20.957	ug/l	100
74) N-amyl acetate	12.07	43	109100	23.196	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	92204	23.720	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	76293m	20.932	ug/l	
77) Bromobenzene	12.53	156	76378	20.547	ug/l	95
78) n-propylbenzene	12.59	91	363426	19.305	ug/l	99
79) 2-Chlorotoluene	12.67	91	225971	21.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	276666	19.256	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20212	20.900	ug/l	92
82) 4-Chlorotoluene	12.77	91	208496	19.048	ug/l	97
83) tert-Butylbenzene	12.99	119	246324	22.628	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	266714	20.756	ug/l	100
85) sec-Butylbenzene	13.17	105	317562	20.335	ug/l	100
86) p-Isopropyltoluene	13.29	119	264561	20.612	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	121123	19.750	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	117741	20.387	ug/l	99
89) n-Butylbenzene	13.61	91	188363	20.652	ug/l	100
90) Hexachloroethane	13.87	117	44735	21.101	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	126097	20.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13867	28.760	ug/l	89

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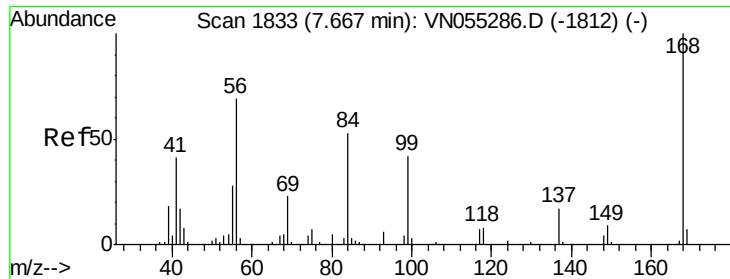
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41404	19.445	ug/l	97
94) Hexachlorobutadiene	15.01	225	48056	24.867	ug/l	98
95) Naphthalene	15.13	128	85080	18.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45045	20.703	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion:168 Resp: 341994

Ion Ratio Lower Upper

168 100

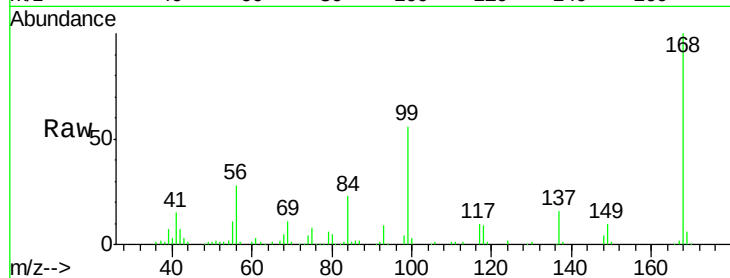
99 55.5 43.6 65.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

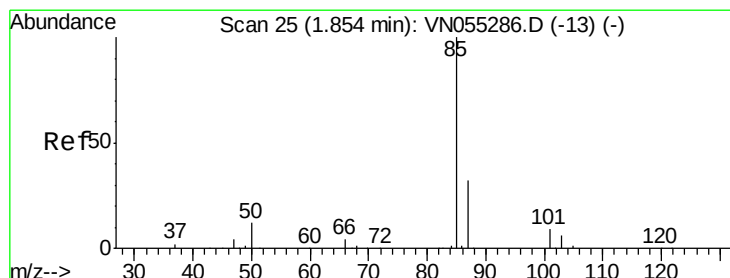
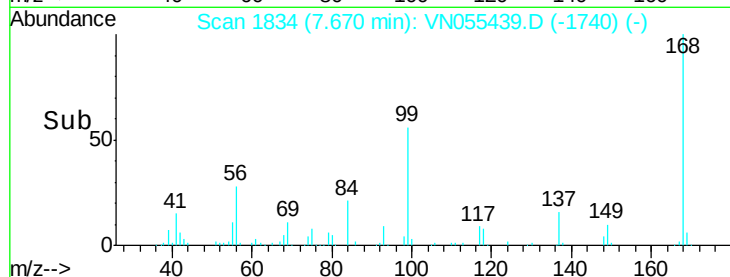
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.678 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055439.D

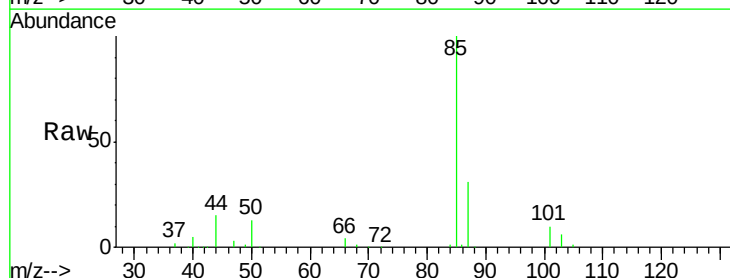
Acq: 7 May 2019 15:54

Tgt Ion: 85 Resp: 78265

Ion Ratio Lower Upper

85 100

87 30.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

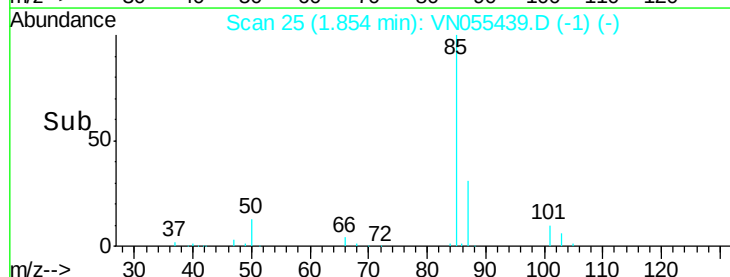
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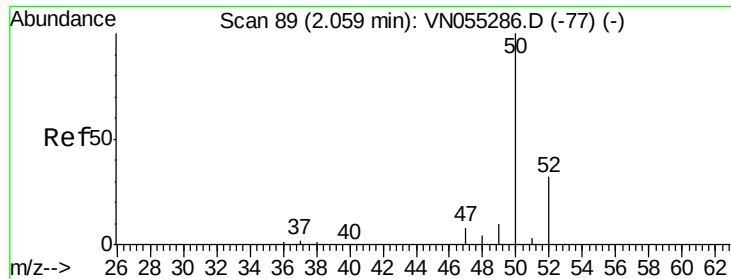
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Time-->





#3

Chloromethane

Concen: 16.742 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion: 50 Resp: 86865

Ion Ratio Lower Upper

50 100

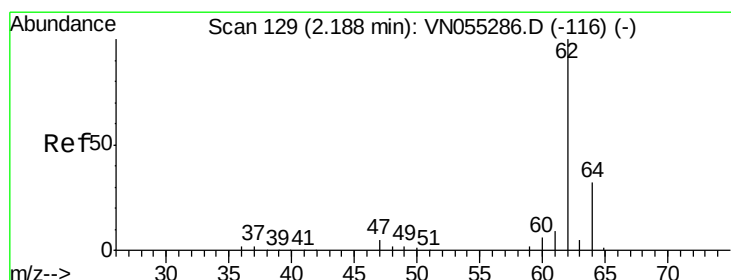
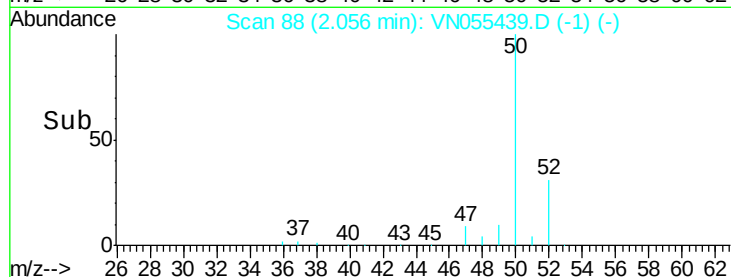
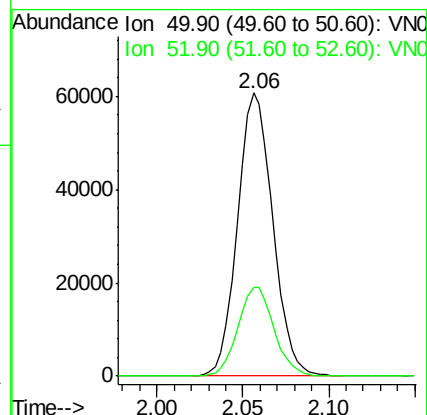
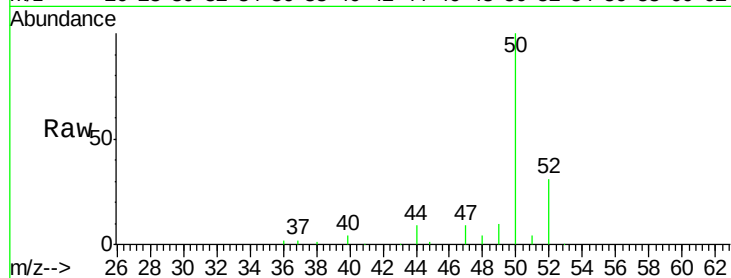
52 31.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.057 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055439.D

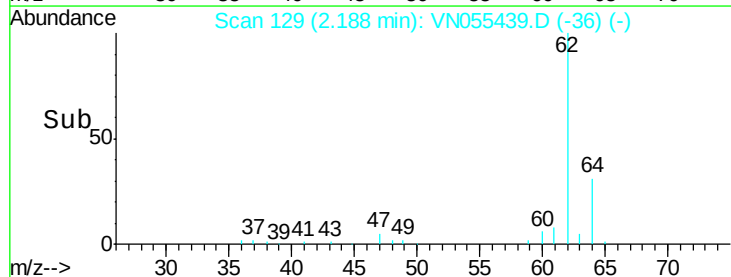
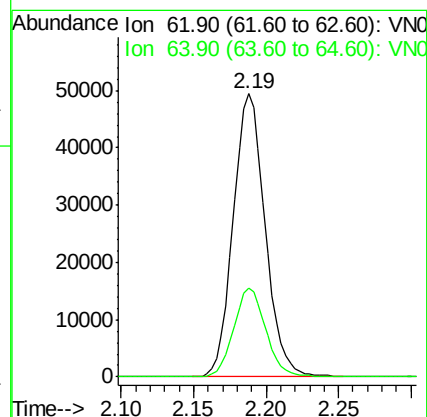
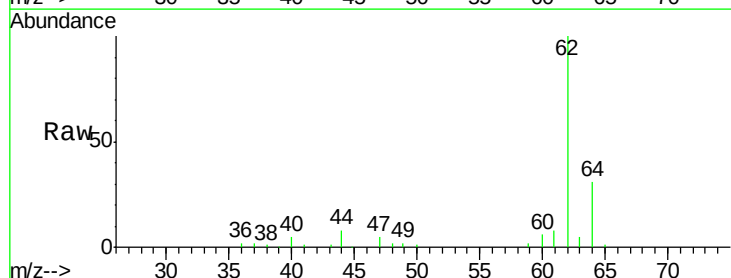
Acq: 7 May 2019 15:54

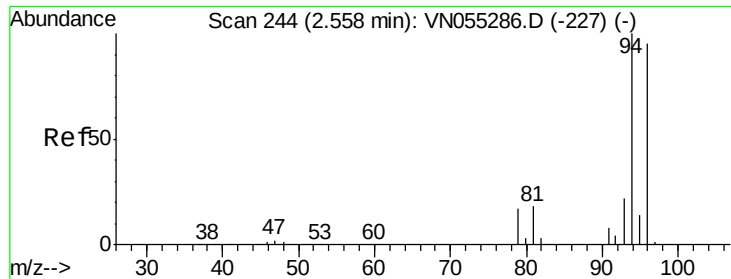
Tgt Ion: 62 Resp: 75522

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





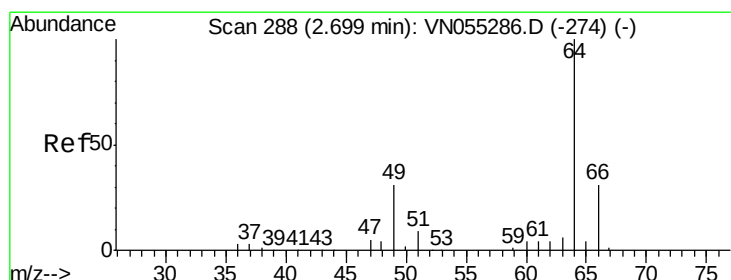
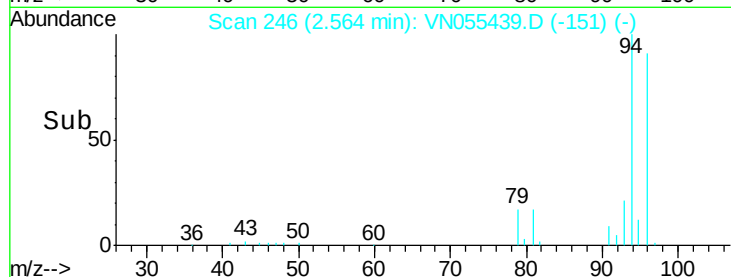
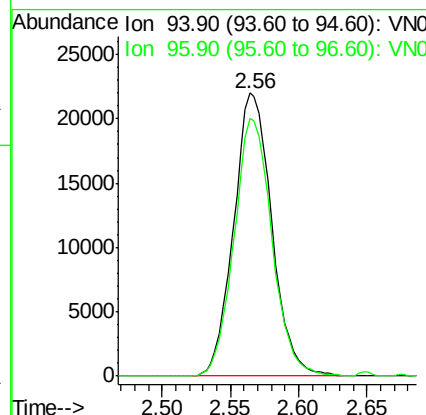
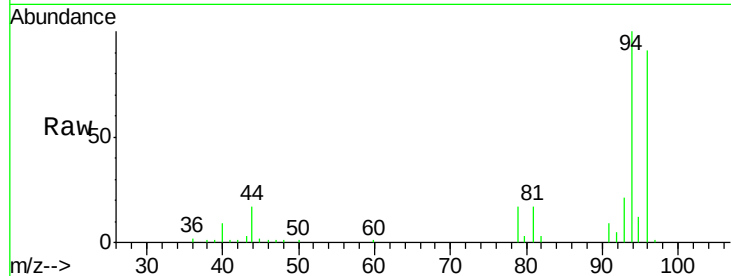
#5
Bromomethane
Concen: 19.258 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.01 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion: 94 Resp: 42664
Ion Ratio Lower Upper
94 100
96 91.1 76.0 114.0

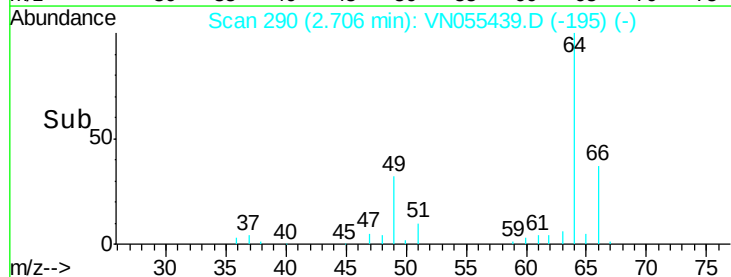
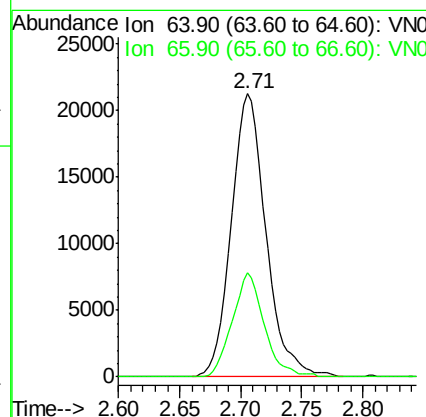
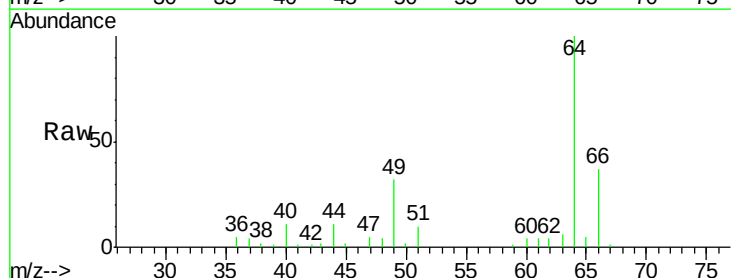
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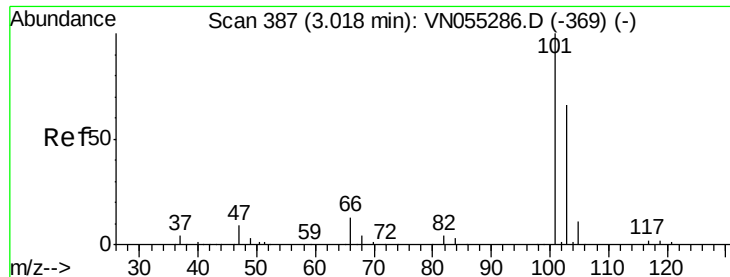
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#6
Chloroethane
Concen: 18.617 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion: 64 Resp: 42180
Ion Ratio Lower Upper
64 100
66 36.7 25.0 37.4





#7

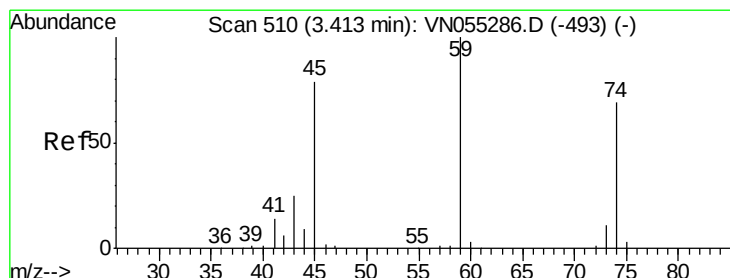
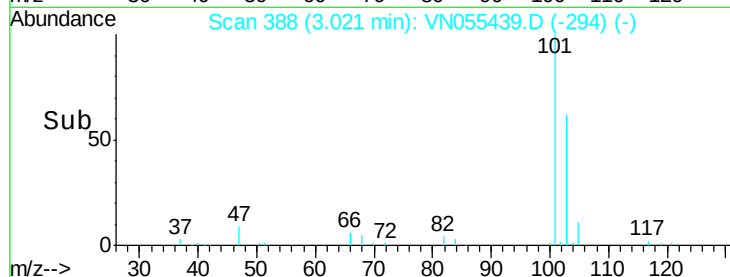
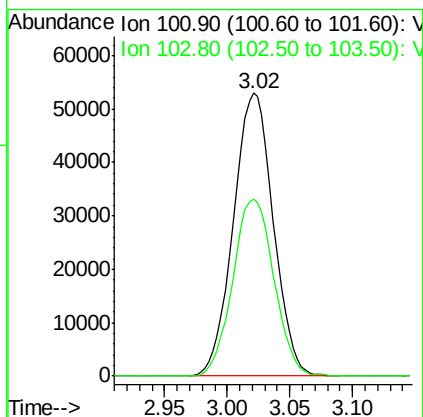
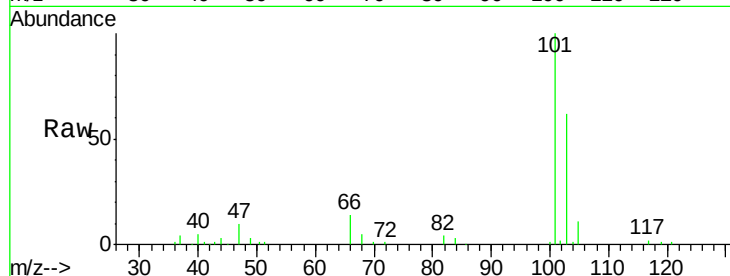
Trichlorofluoromethane
 Concen: 19.702 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion:101 Resp: 117168
 Ion Ratio Lower Upper
 101 100
 103 62.4 52.6 79.0

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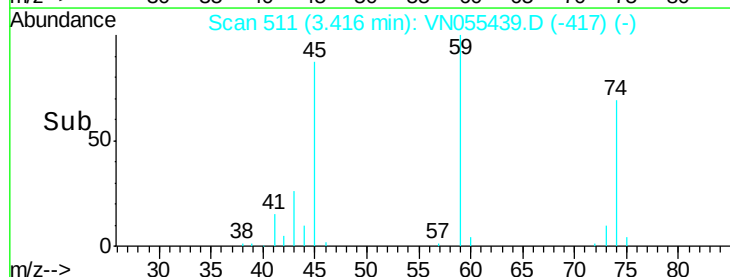
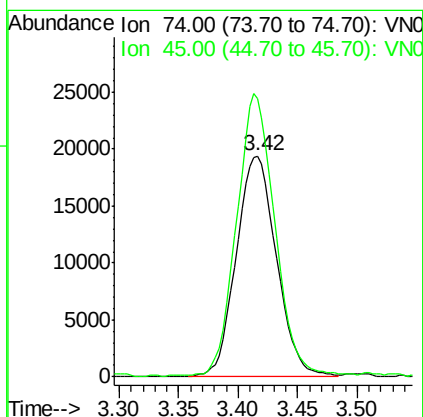
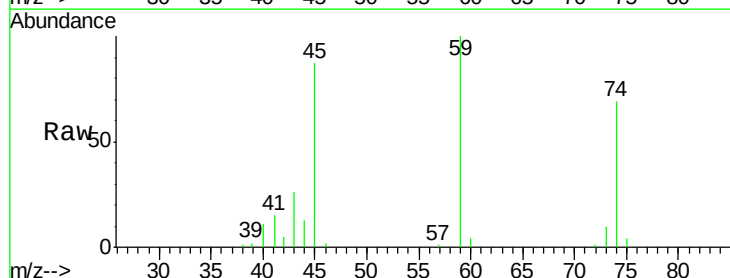
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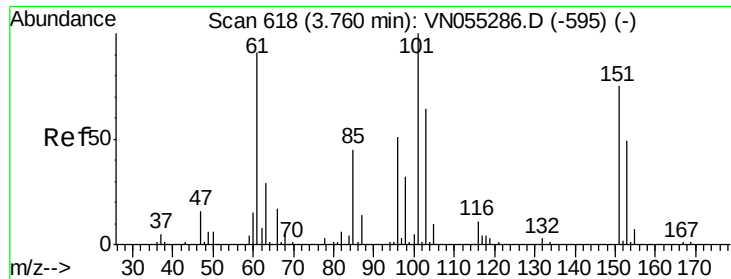


#8

Diethyl Ether
 Concen: 21.872 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion: 74 Resp: 45509
 Ion Ratio Lower Upper
 74 100
 45 119.6 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.586 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

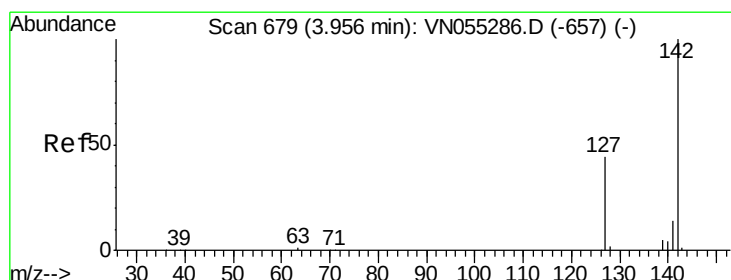
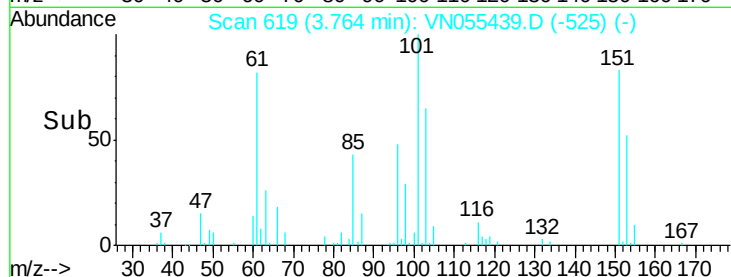
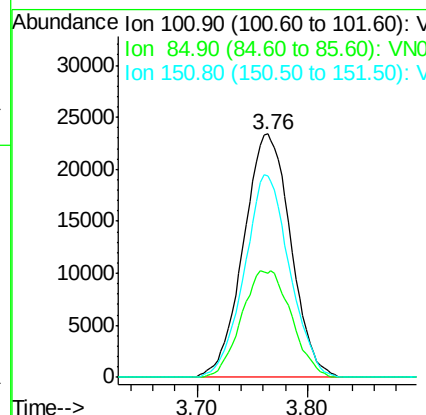
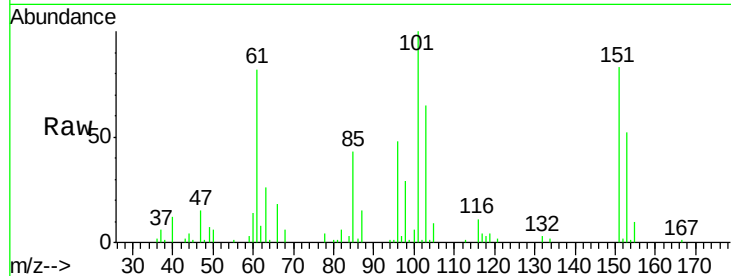
ClientSampleId :

VN0507MBSD01

Tot Ion:	101	Resp:	69362
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.7	53.5
151	79.6	63.3	94.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.537 ug/l

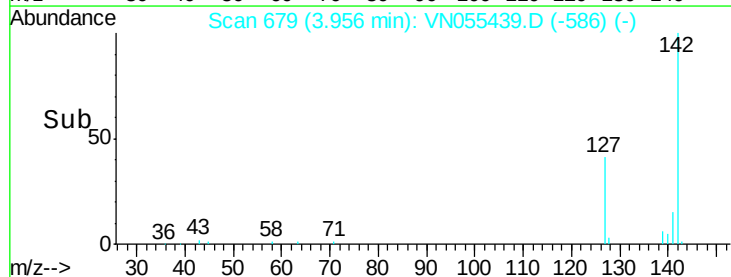
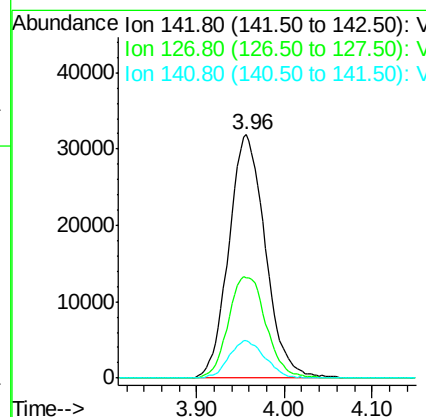
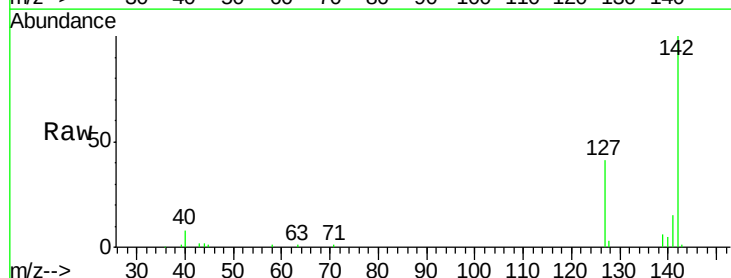
RT: 3.96 min Scan# 679

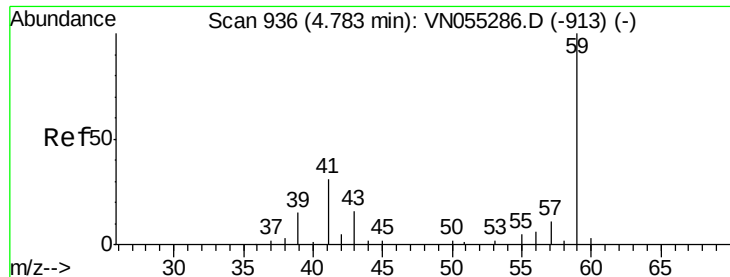
Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Tgt Ion:	142	Resp:	92390
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.4	51.6
141	15.0	11.5	17.3





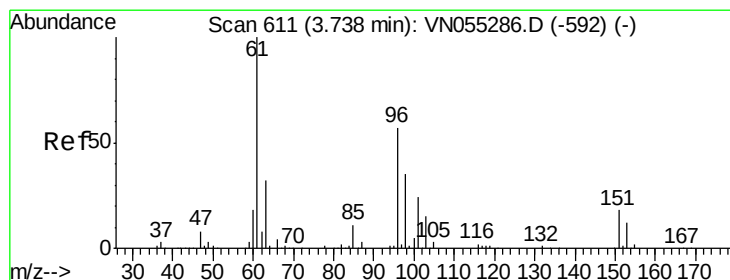
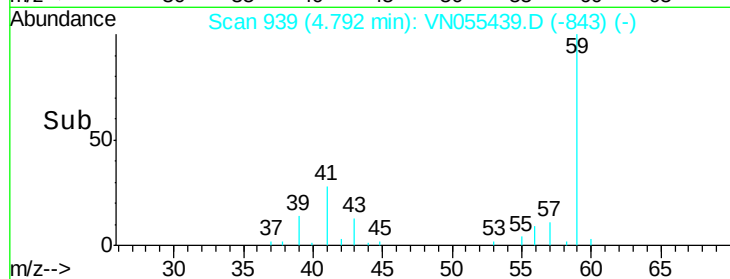
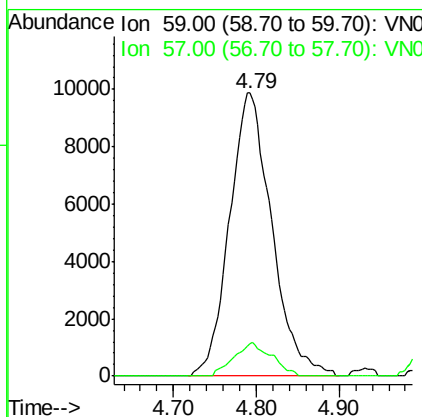
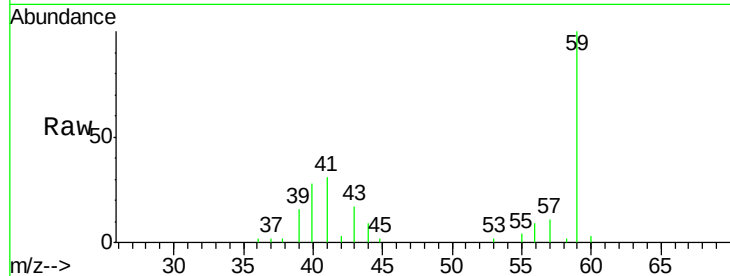
#11
Tert butyl alcohol
Concen: 136.696 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	59	Resp	35015
Ion Ratio	100	Lower	Upper
57	10.6	8.2	12.2

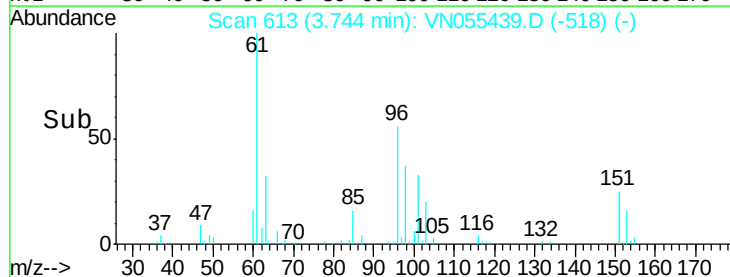
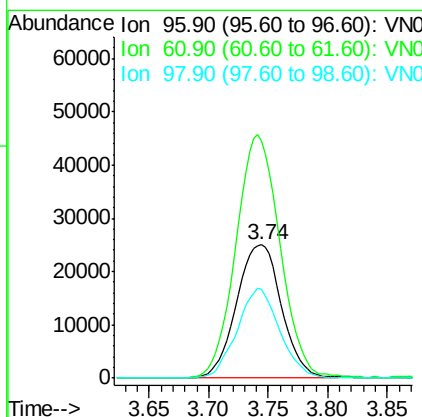
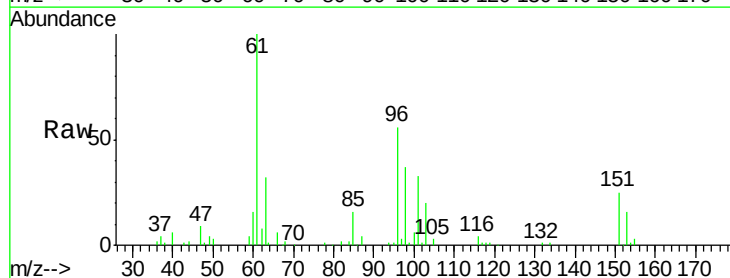
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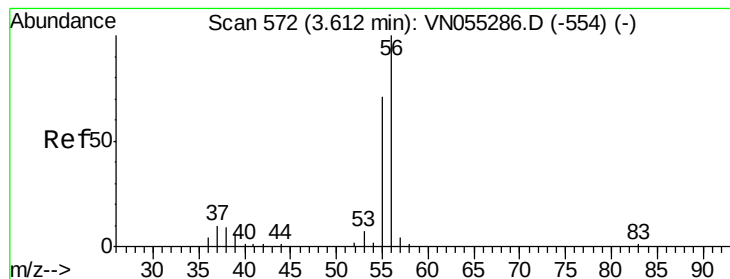
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.440 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	96	Resp	65675
Ion Ratio	100	Lower	Upper
61	178.6	140.9	211.3
98	66.2	50.0	75.0





#13

Acrolein

Concen: 61.746 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

Tot Ion: 56 Resp: 12352

Ion Ratio Lower Upper

56 100

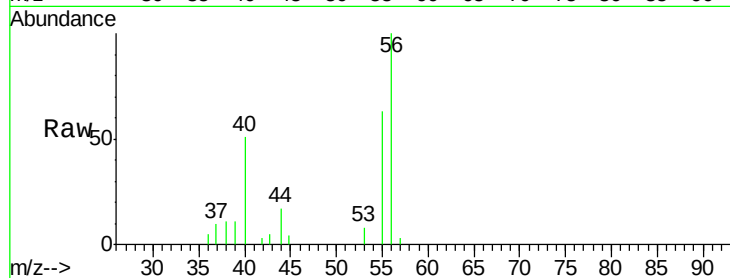
55 71.6 57.4 86.2

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

5000

4000

3000

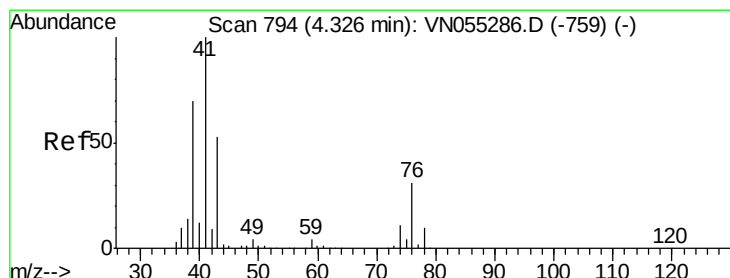
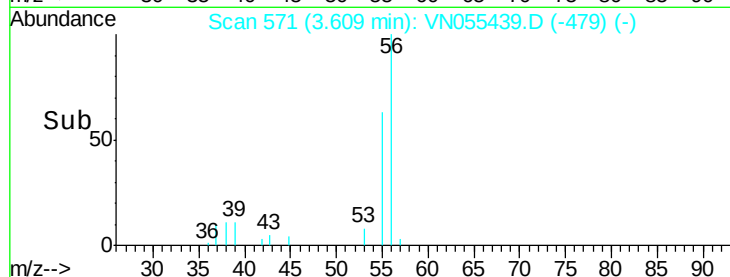
2000

1000

0

Time-->

3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 20.307 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

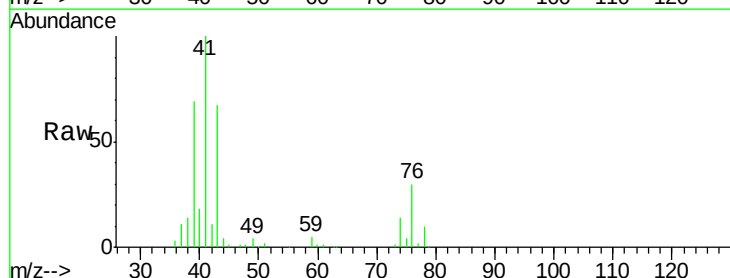
Tgt Ion: 41 Resp: 142082

Ion Ratio Lower Upper

41 100

39 66.7 53.0 79.6

76 27.6 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

60000

50000

40000

30000

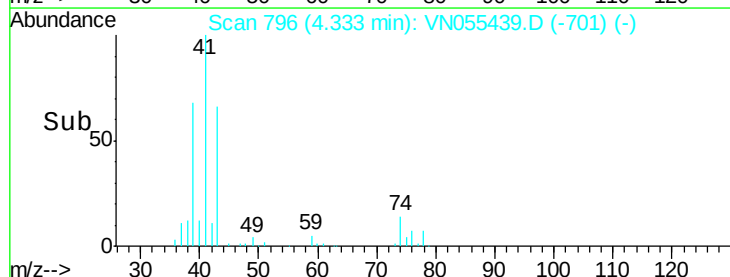
20000

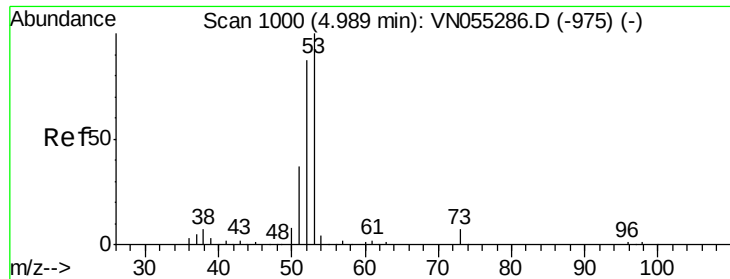
10000

0

Time-->

4.20 4.30 4.40 4.50





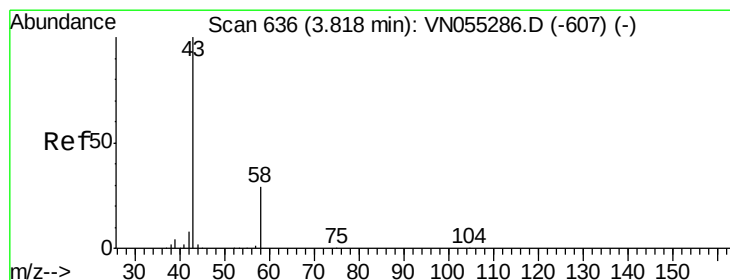
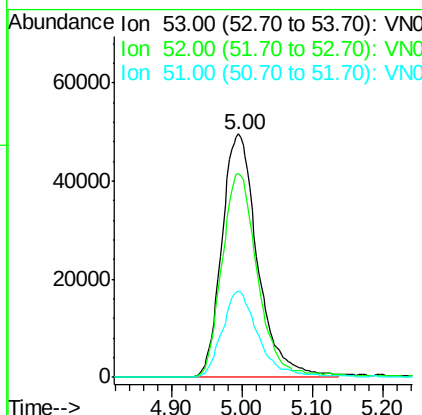
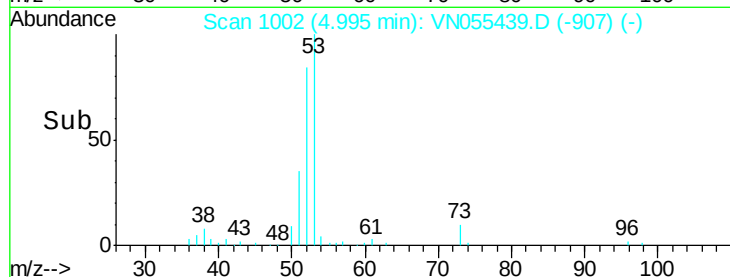
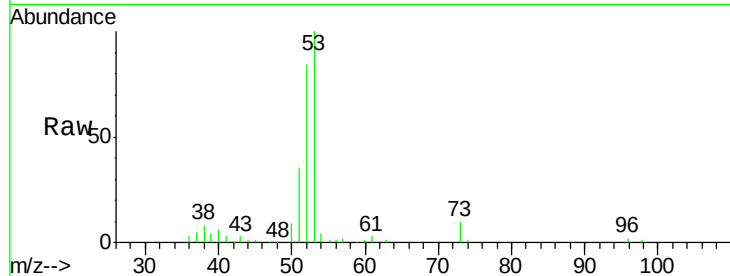
#15
 Acrylonitrile
 Concen: 121.949 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.8	29.6	44.4

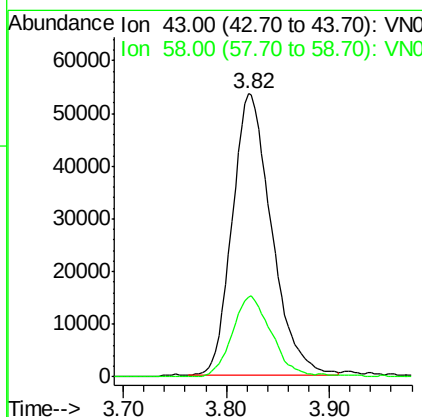
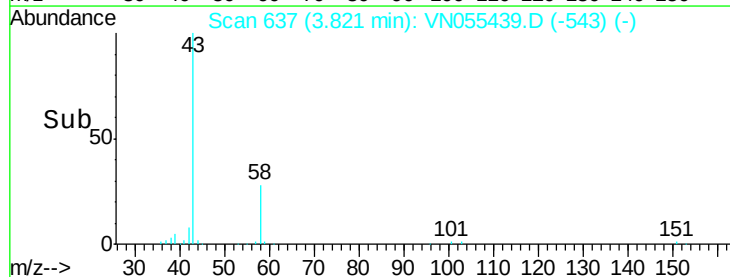
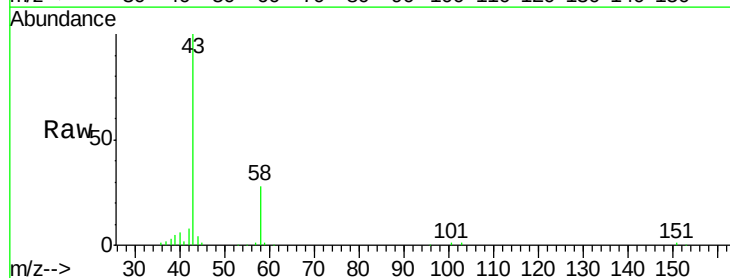
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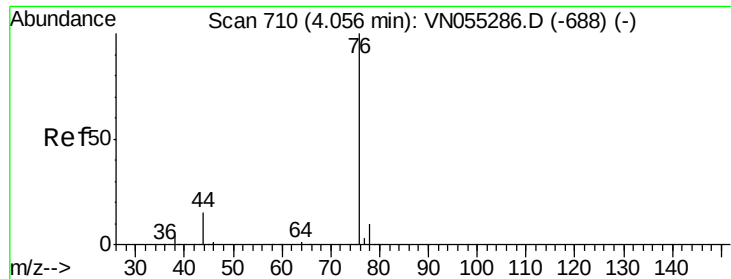
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#16
 Acetone
 Concen: 101.285 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.6	35.4





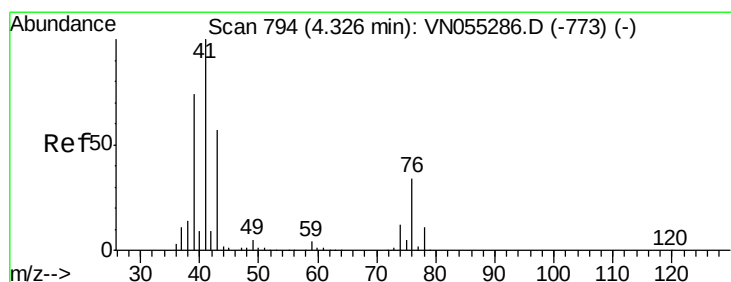
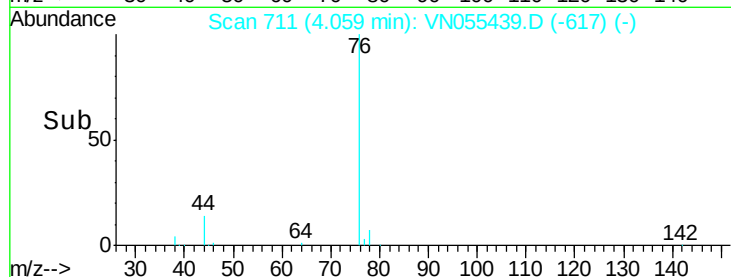
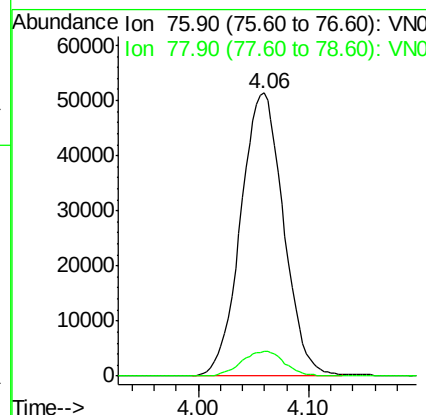
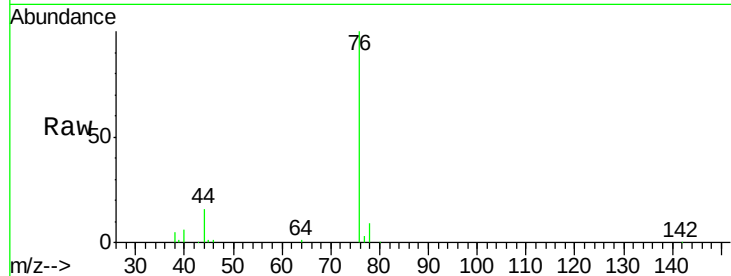
#17
Carbon Disulfide
Concen: 15.650 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

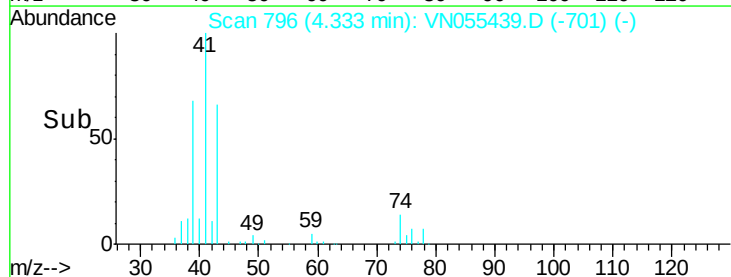
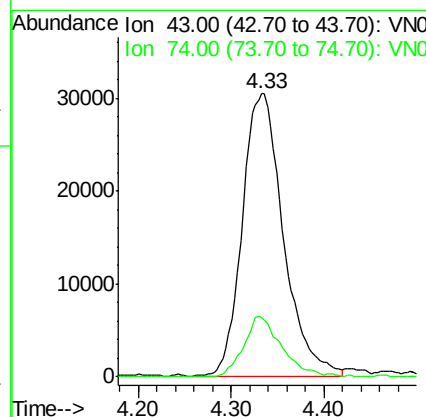
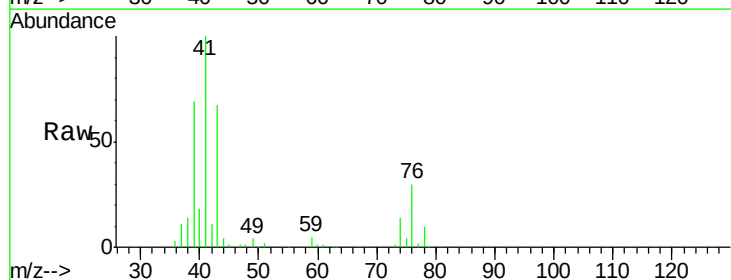
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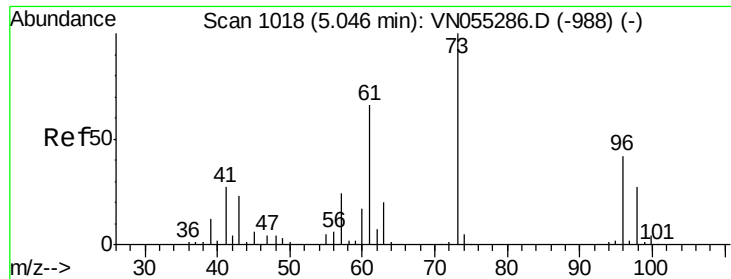
MMDadoda
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#18
Methyl Acetate
Concen: 27.326 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	15.8	23.8





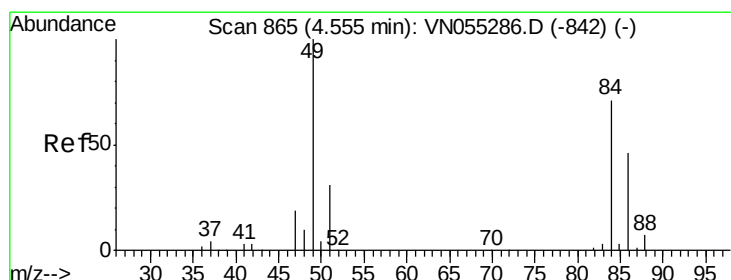
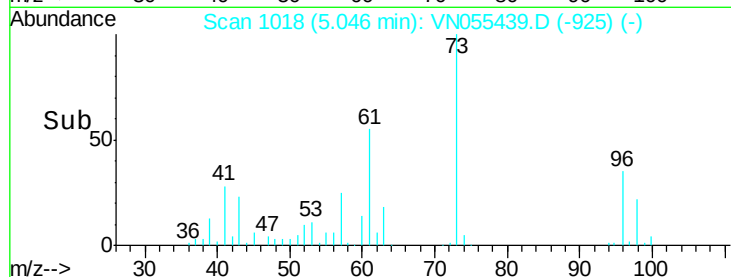
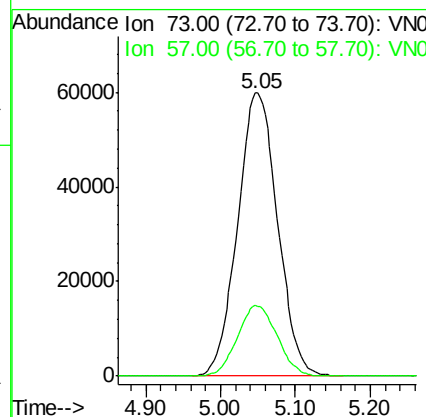
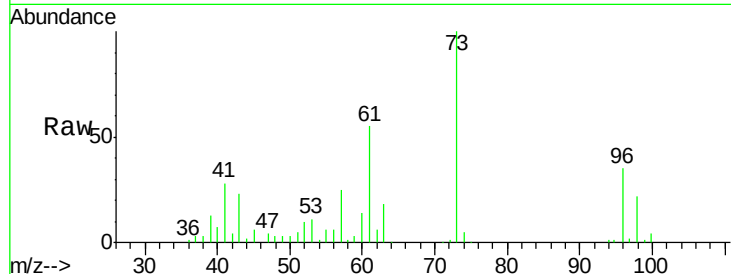
#19
Methyl tert-butyl Ether
Concen: 23.406 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion: 73 Resp: 222292
Ion Ratio Lower Upper
73 100
57 24.9 19.1 28.7

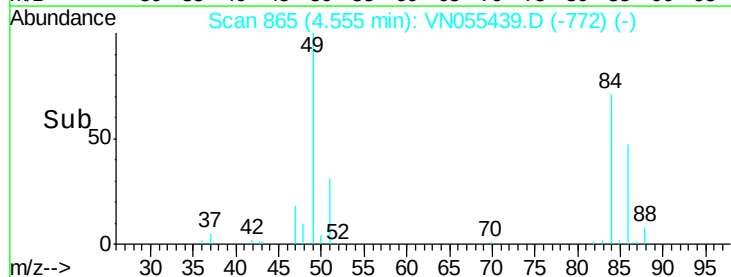
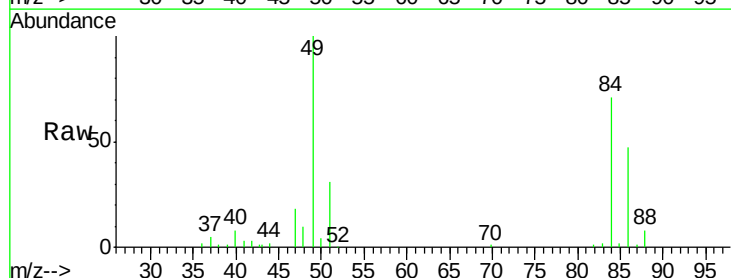
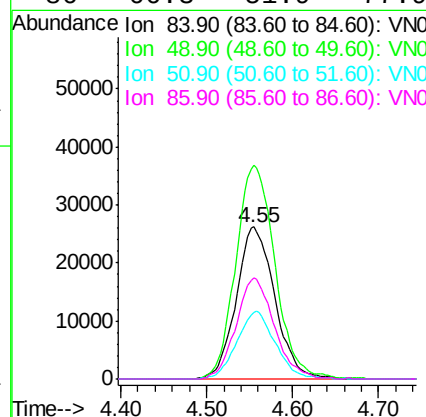
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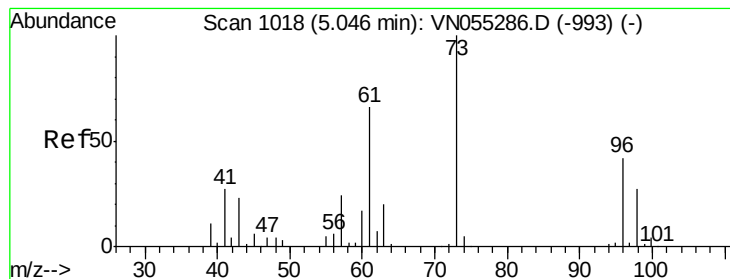
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#20
Methylene Chloride
Concen: 19.174 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion: 84 Resp: 81588
Ion Ratio Lower Upper
84 100
49 140.4 112.4 168.6
51 43.9 34.6 51.8
86 66.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.312 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion: 96 Resp: 69096

Ion Ratio Lower Upper

96 100

61 155.7 126.2 189.4

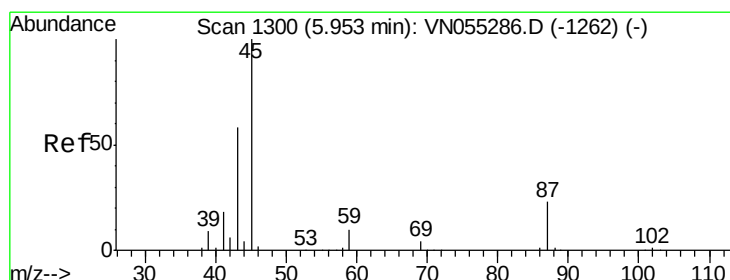
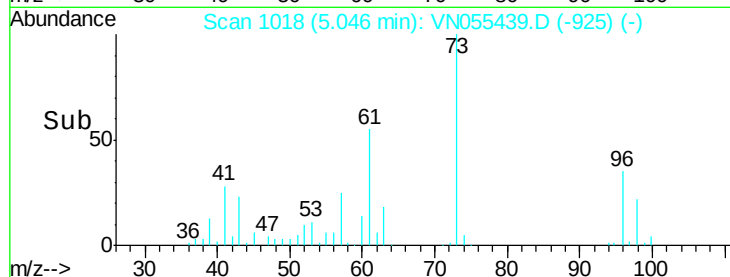
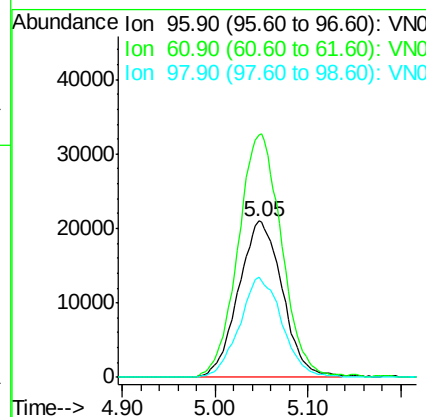
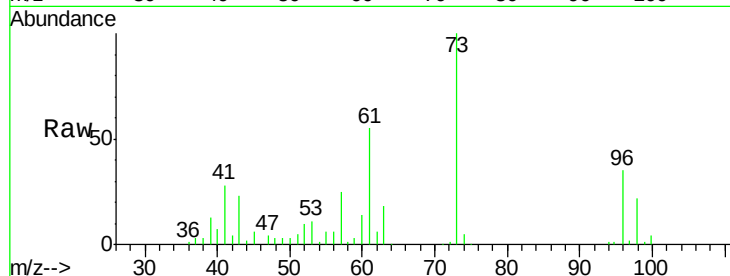
98 64.0 52.2 78.2

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#22

Diisopropyl ether

Concen: 22.322 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Tgt Ion: 45 Resp: 310322

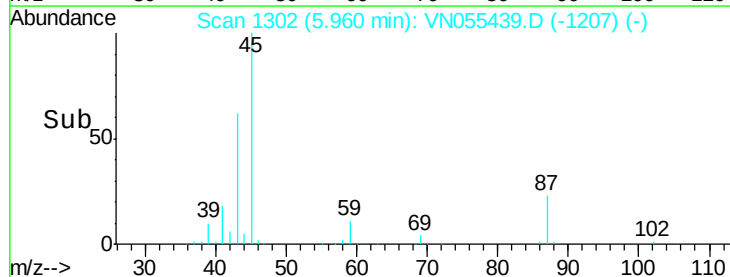
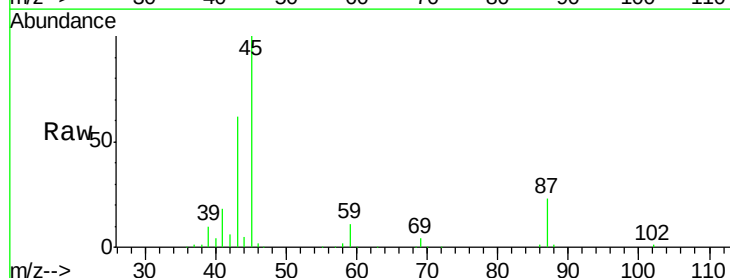
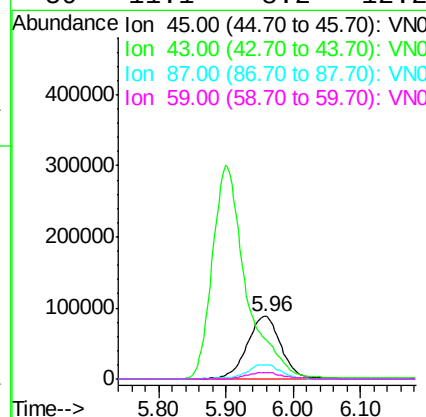
Ion Ratio Lower Upper

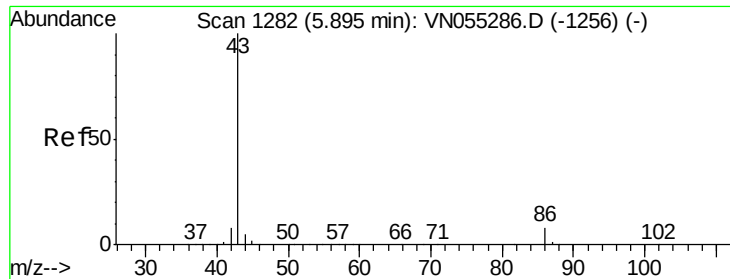
45 100

43 60.0 46.6 70.0

87 22.8 18.1 27.1

59 11.1 8.2 12.2





#23

Vinyl Acetate

Concen: 115.239 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion: 43 Resp: 1049992

Ion Ratio Lower Upper

43 100

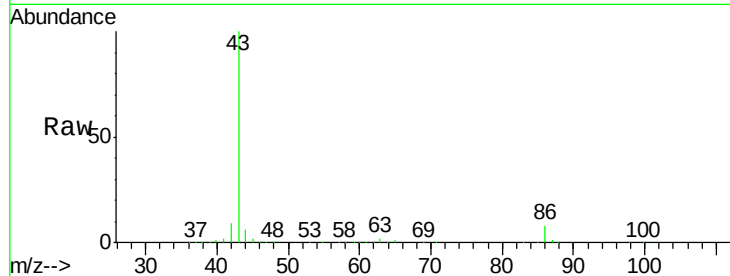
86 7.9 6.6 10.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

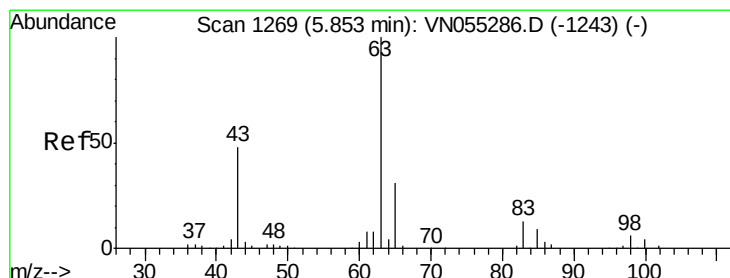
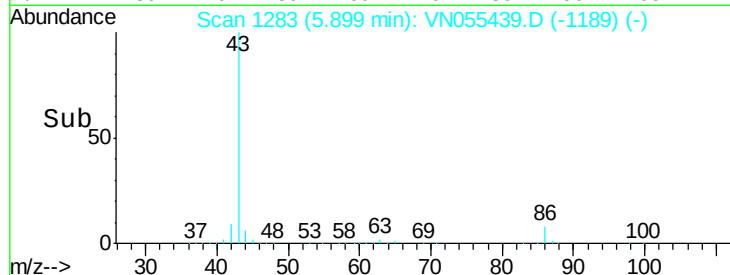
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.753 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

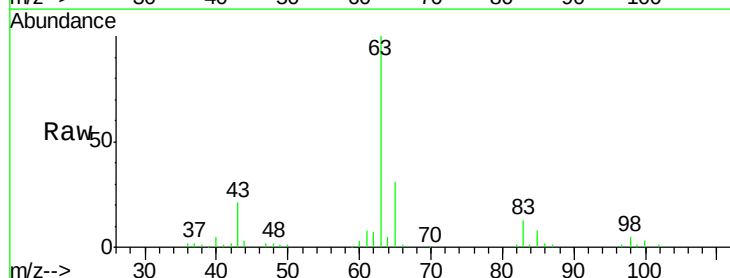
Tgt Ion: 63 Resp: 153723

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.0

100 3.2 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

5.85

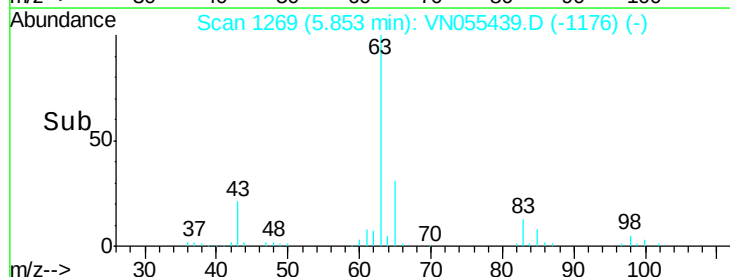
60000

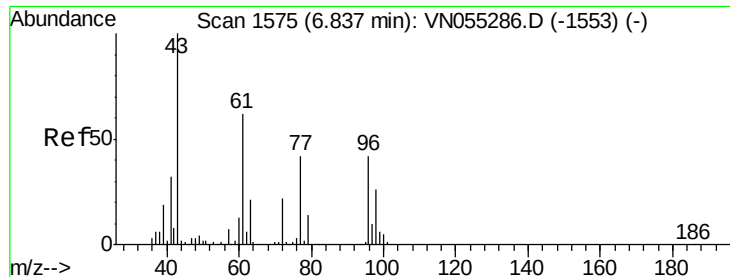
40000

20000

0

Time--> 5.80 5.90





#25

2-Butanone

Concen: 121.382 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

Tot Ion: 43 Resp: 216402

Ion Ratio Lower Upper

43 100

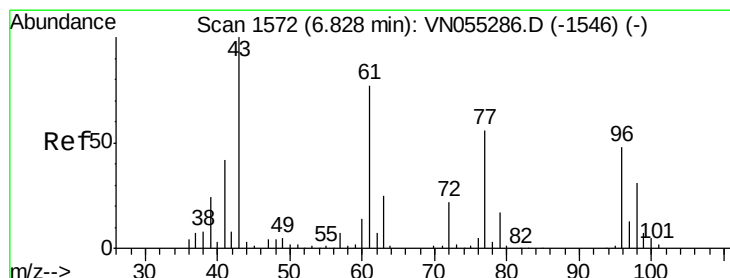
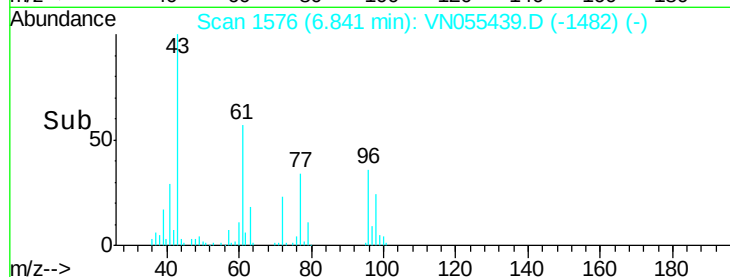
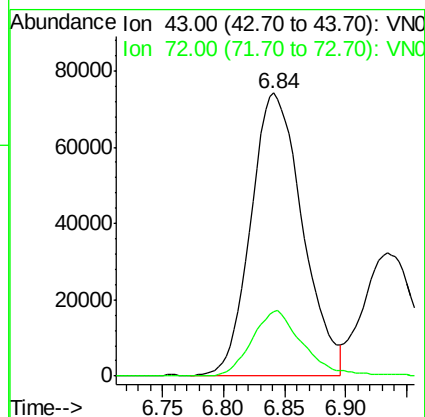
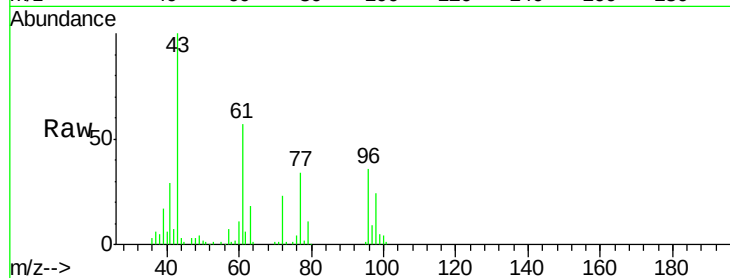
72 23.1 18.0 27.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.052 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055439.D

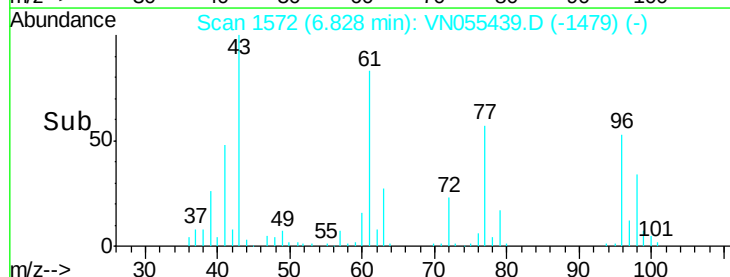
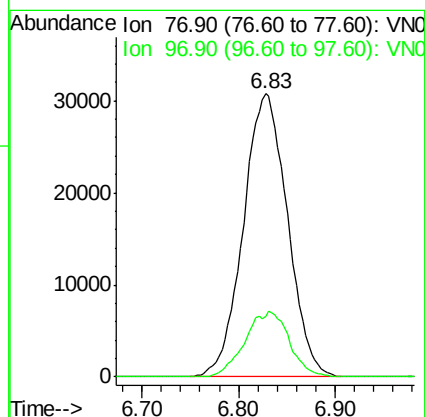
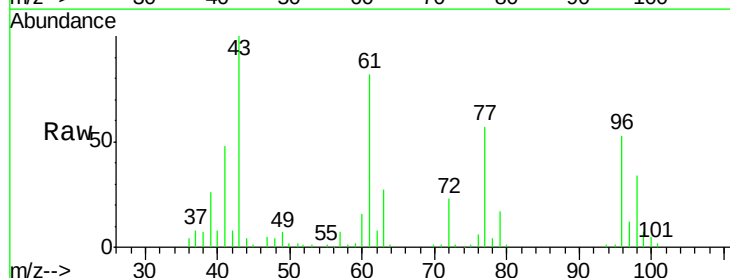
Acq: 7 May 2019 15:54

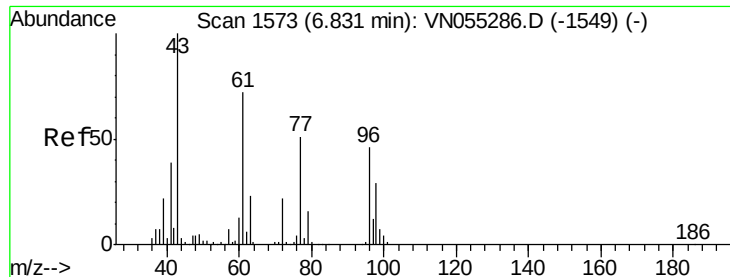
Tgt Ion: 77 Resp: 97452

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2





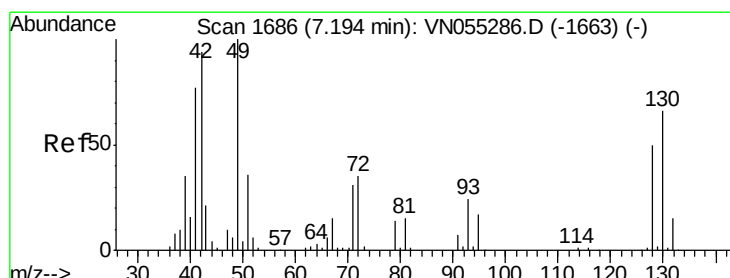
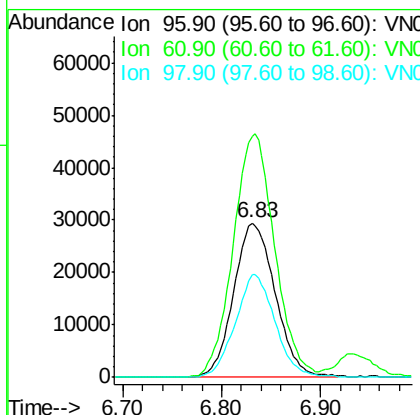
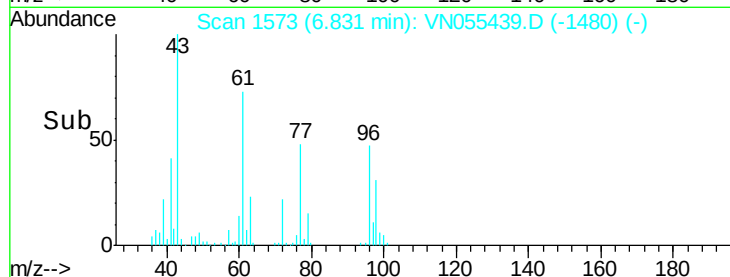
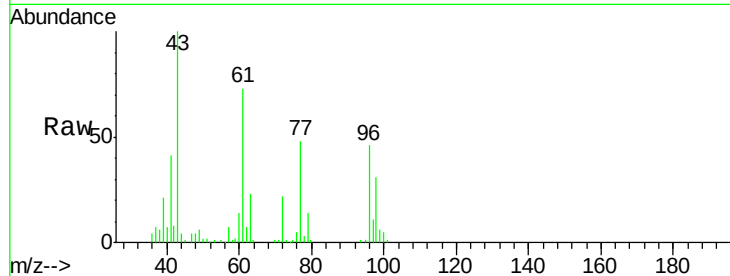
#27
 cis-1,2-Dichloroethene
 Concen: 21.167 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.3	0.0	316.2	
98	63.7	0.0	126.6	

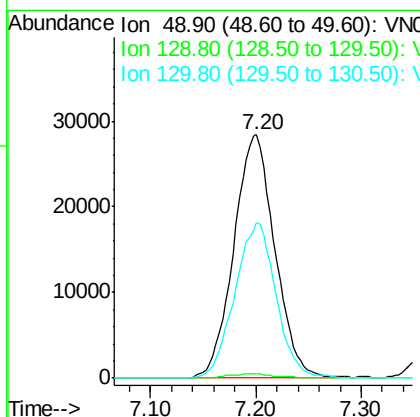
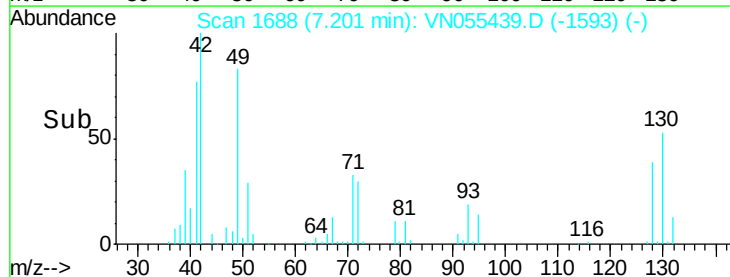
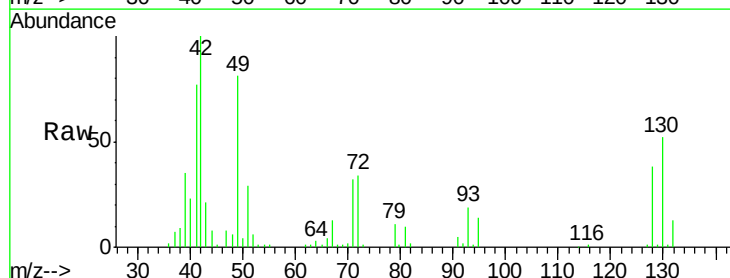
Manual Integrations
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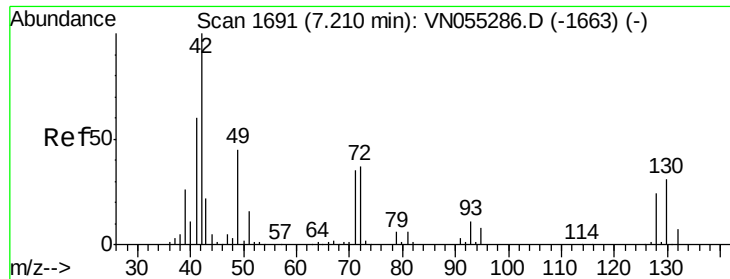
MMDadoda
 5/8/2019 10:22:11 AM



#28
 Bromochloromethane
 Concen: 20.552 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. 0.01 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	2.4	
130	63.9	52.0	78.0	





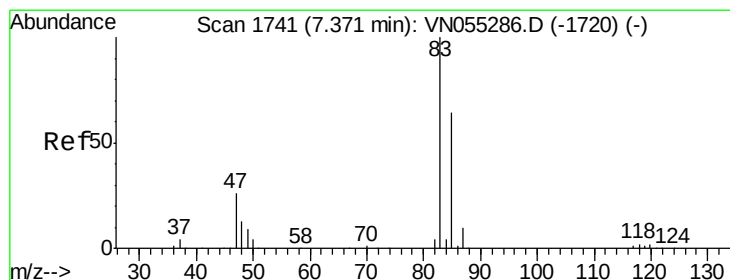
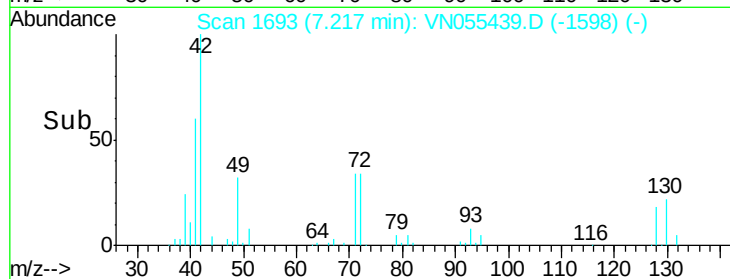
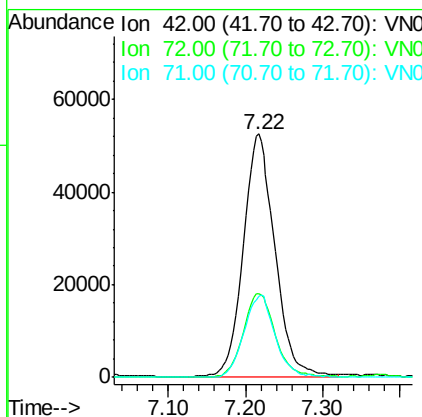
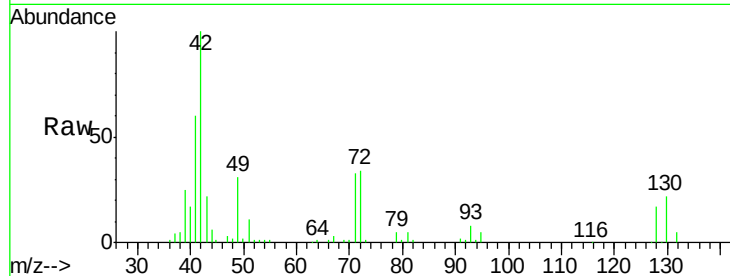
#29
Tetrahydrofuran
Concen: 131.737 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	29.0	43.6
71	33.2	27.1	40.7

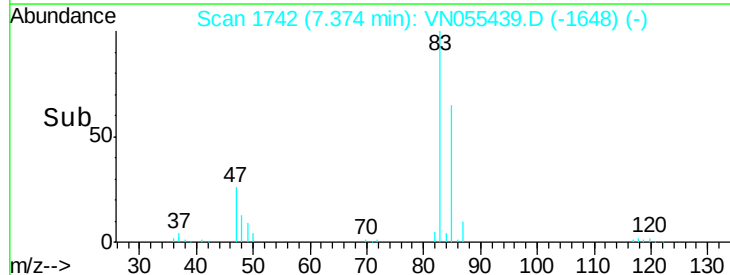
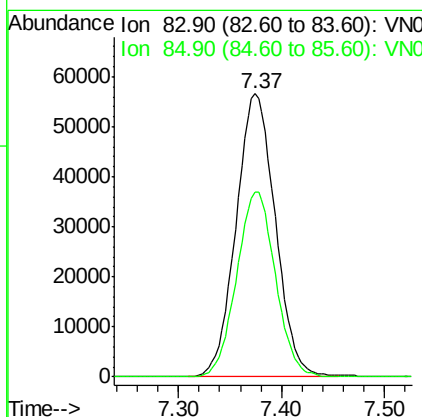
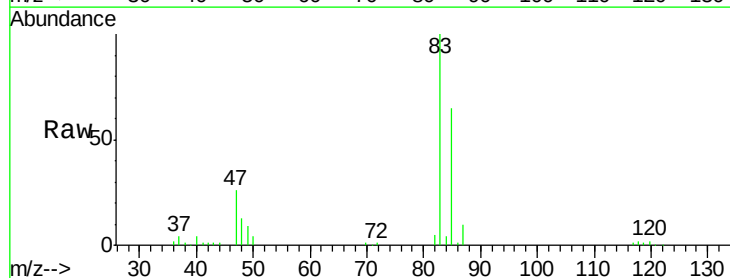
Manual Integrations
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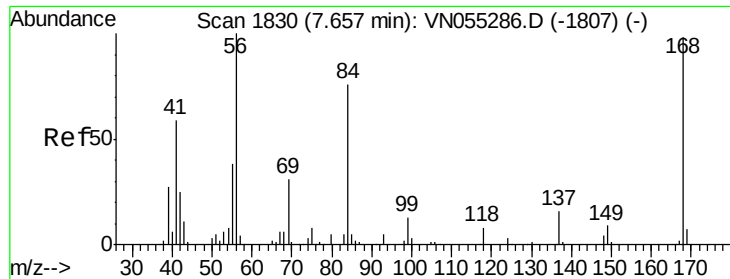
MMDadoda
5/8/2019 10:22:11 AM



#30
Chloroform
Concen: 21.334 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





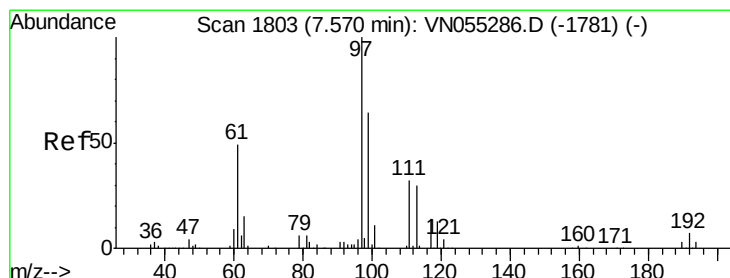
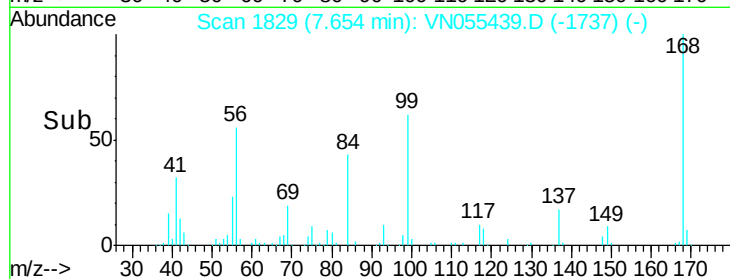
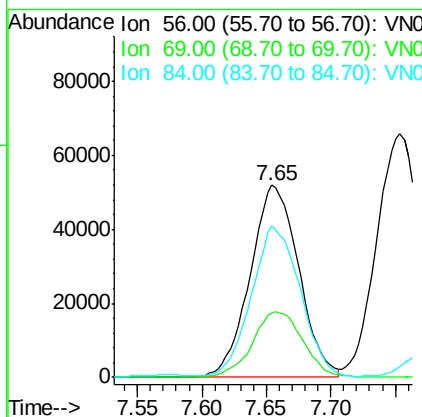
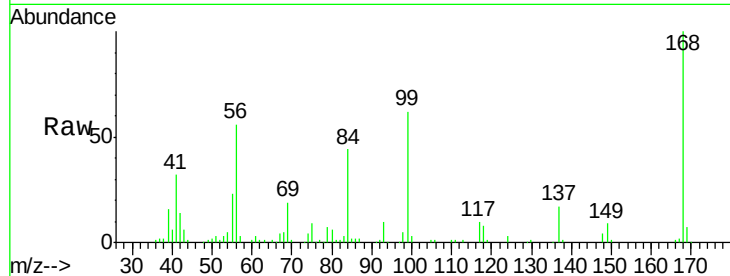
#31
Cyclohexane
Concen: 19.337 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.2	37.8
84	78.0	61.1	91.7

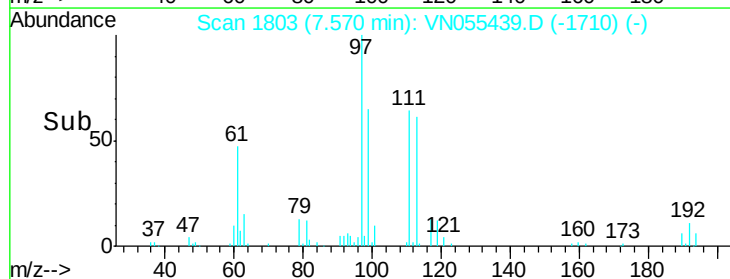
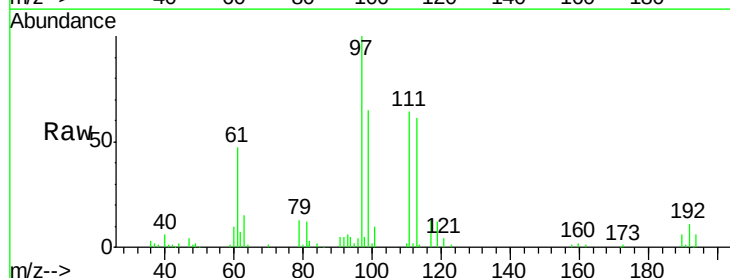
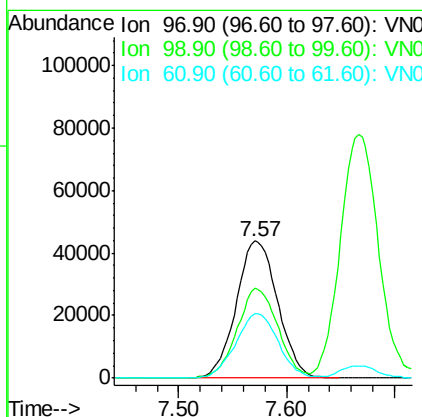
Manual Integrations
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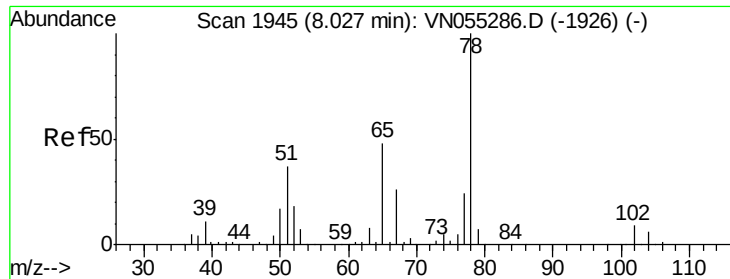
MMDadoda
5/8/2019 10:22:11 AM



#32
1,1,1-Trichloroethane
Concen: 20.613 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	47.9	39.0	58.6





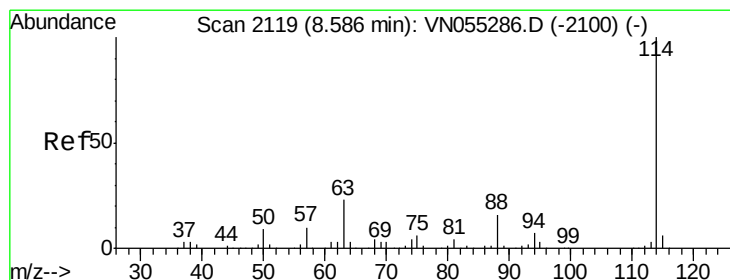
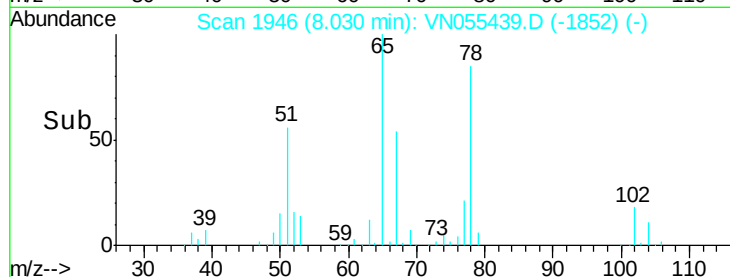
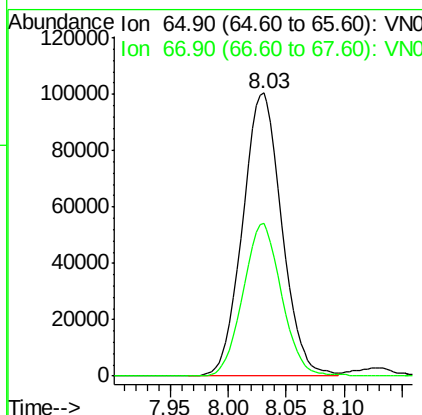
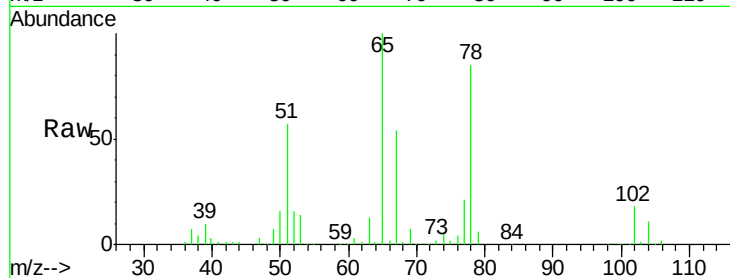
#33
 1,2-Dichloroethane-d4
 Concen: 52.975 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	237014		
67	52.9	0.0	106.8	

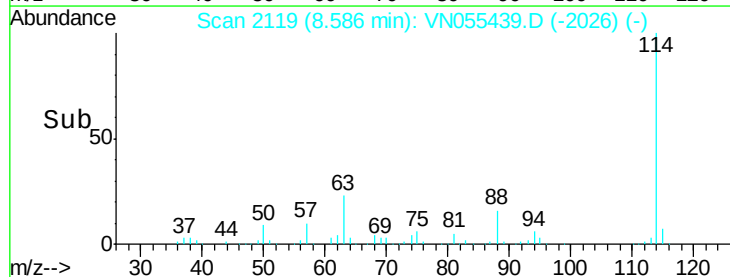
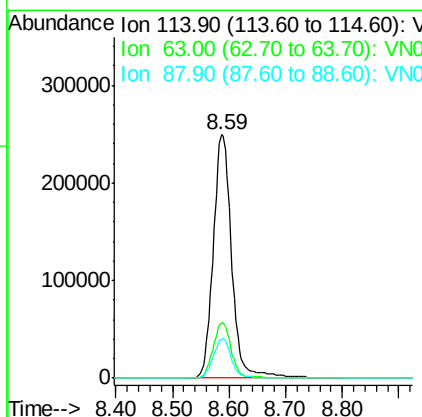
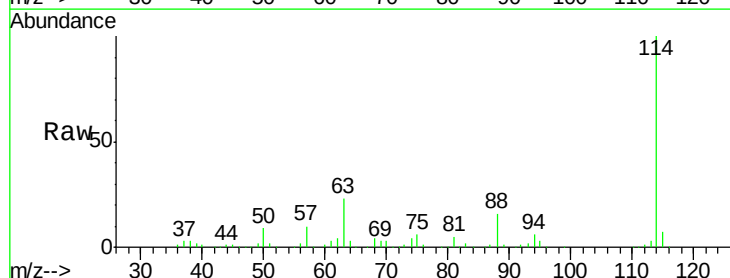
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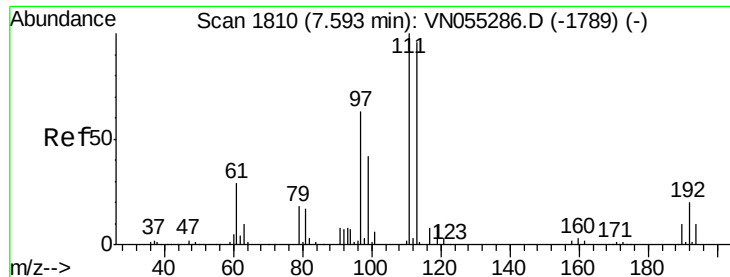
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	563727		
63	22.6	0.0	45.2	
88	16.2	0.0	31.6	





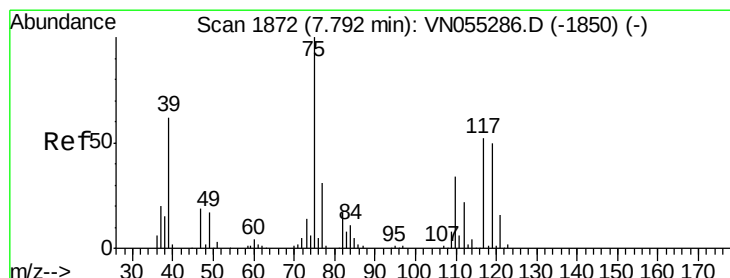
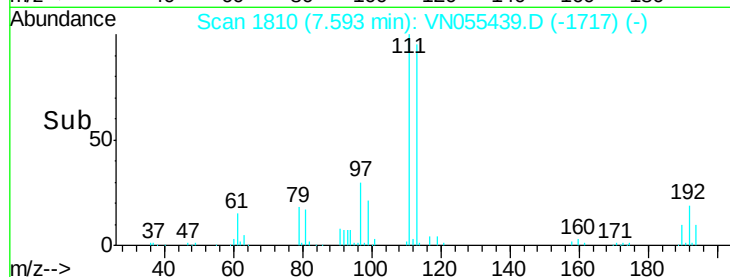
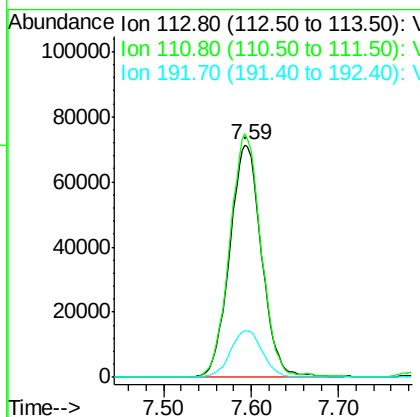
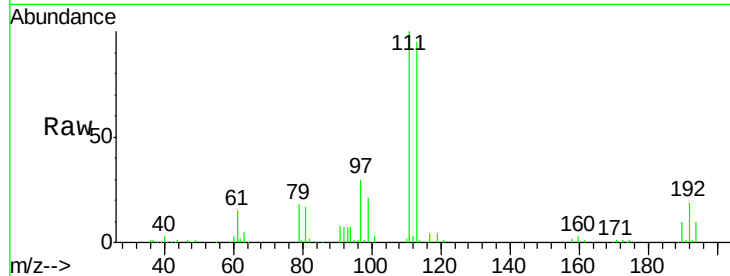
#35
 Dibromofluoromethane
 Concen: 48.796 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0507MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180549		
111	102.6	82.3	123.5	
192	20.0	17.0	25.6	

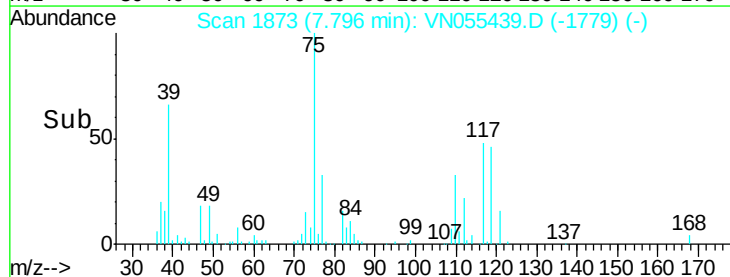
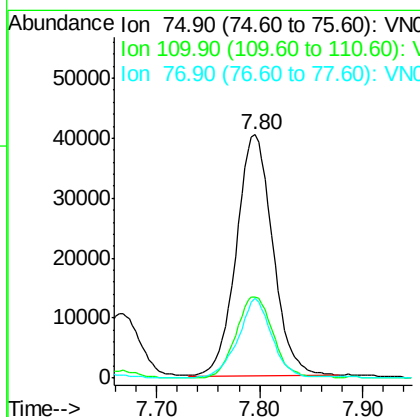
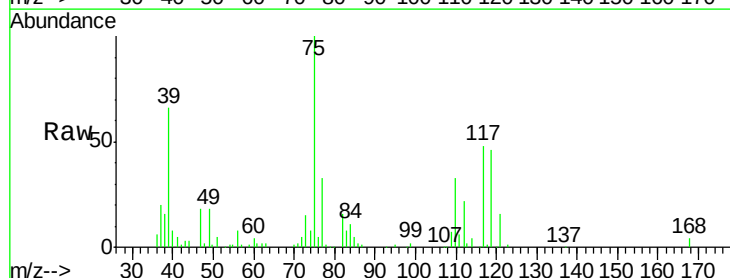
Manual Integrations
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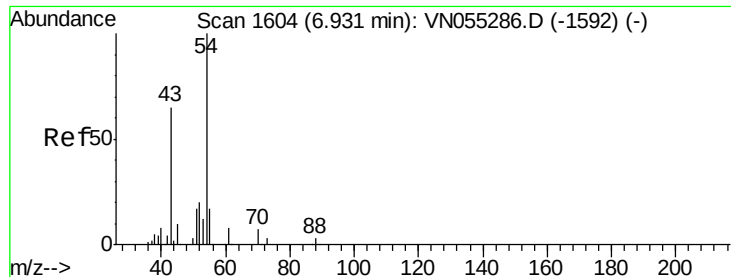
MMDadoda
 5/8/2019 10:22:11 AM



#36
 1,1-Dichloropropene
 Concen: 18.425 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99490		
110	34.0	16.8	50.4	
77	30.4	25.0	37.6	





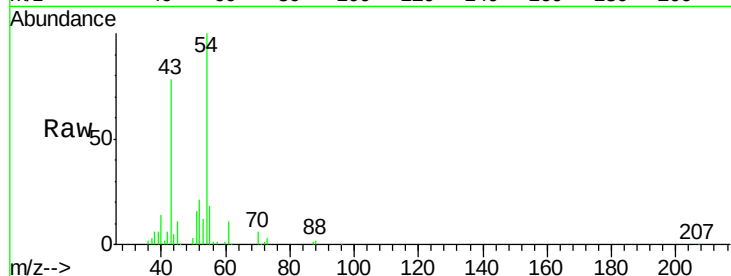
#37
Ethyl Acetate
Concen: 23.609 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion	43	61	70
Resp	97702		
Ratio	100	12.9	8.1
Lower		10.4	6.6
Upper		15.6	10.0

Manual Integrations
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MMDadoda
5/8/2019 10:22:11 AM

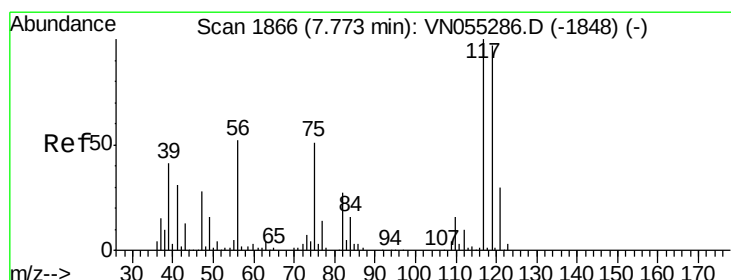
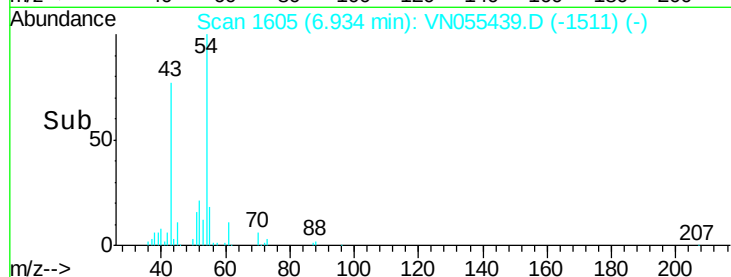
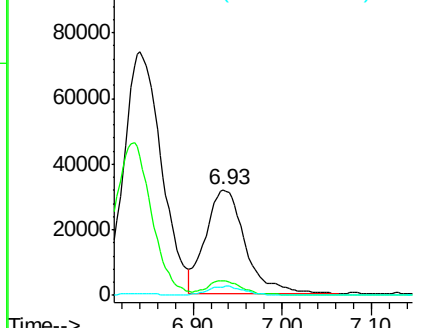


Abundance

Ion 43.00 (42.70 to 43.70): VN055286.D (-1592) (-)

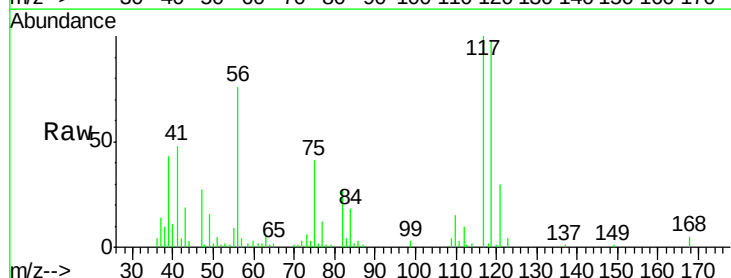
Ion 60.90 (60.60 to 61.60): VN055286.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN055286.D (-1592) (-)



#38
Carbon Tetrachloride
Concen: 18.491 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	117	119	121
Resp	96315		
Ratio	100	98.1	29.7
Lower		77.0	23.8
Upper		115.6	35.8

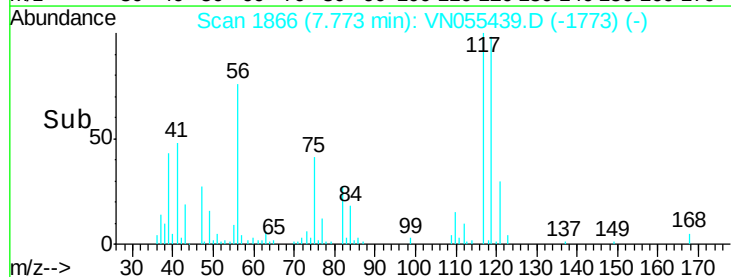
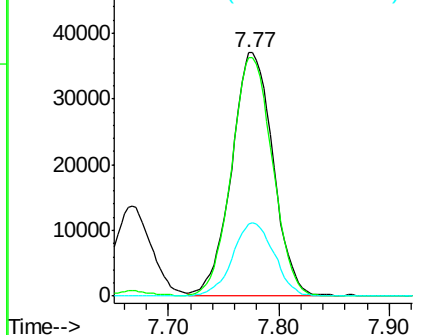


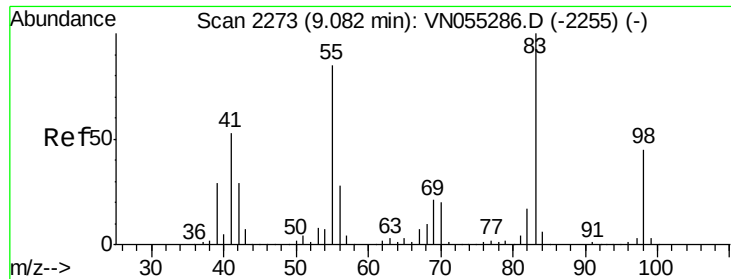
Abundance

Ion 116.80 (116.50 to 117.50): VN055286.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN055286.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN055286.D (-1848) (-)





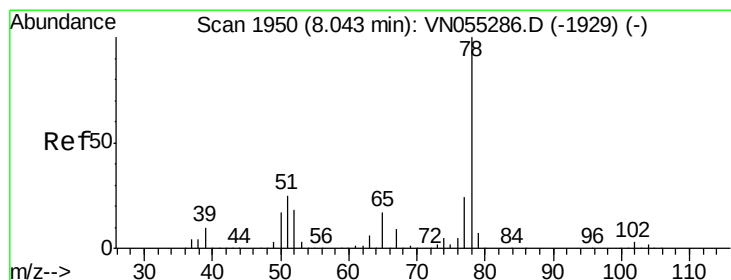
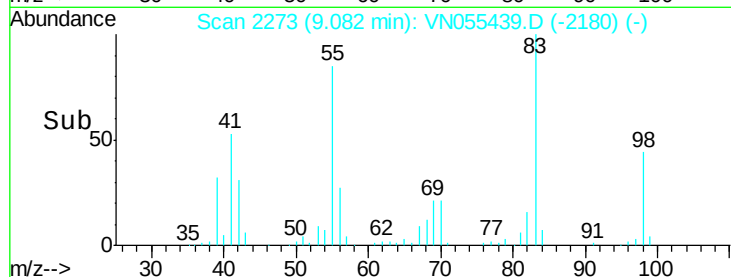
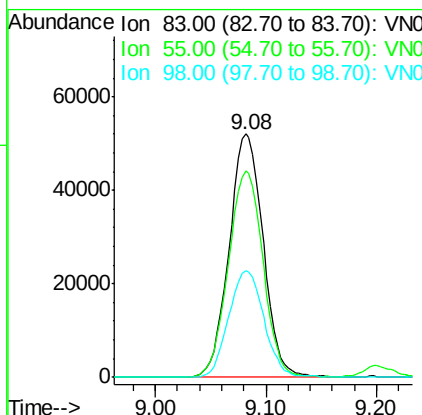
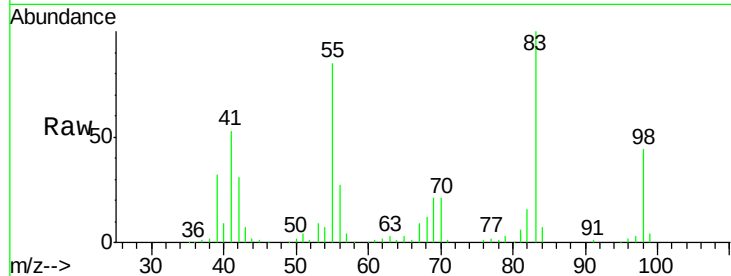
#39
Methylvlcyclohexane
Concen: 19.369 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion	83	Resp	111196
Ion Ratio	Lower	Upper	
83	100		
55	84.9	67.8	101.6
98	43.9	36.2	54.4

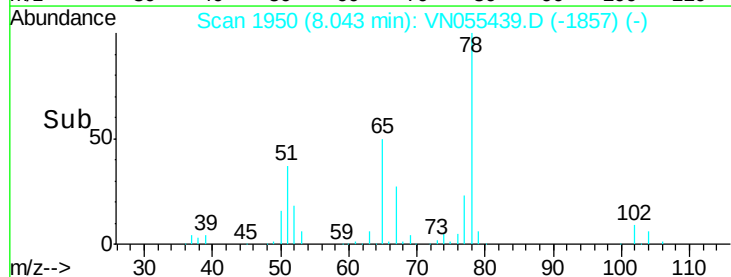
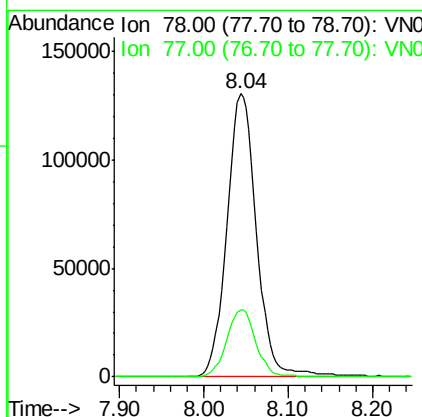
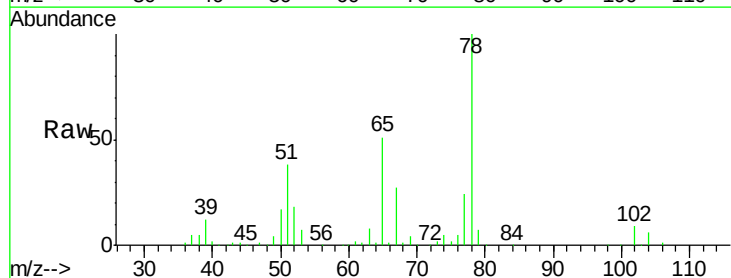
Manual Integrations
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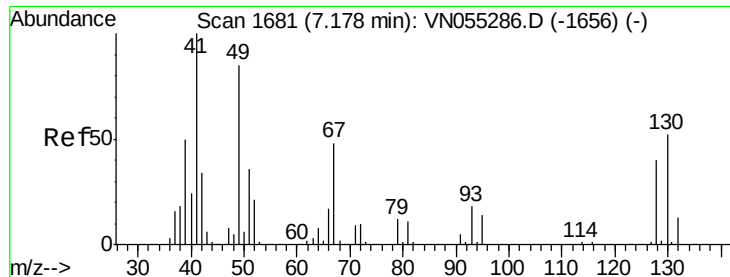
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#40
Benzene
Concen: 19.959 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	78	Resp	317695
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.0	28.6





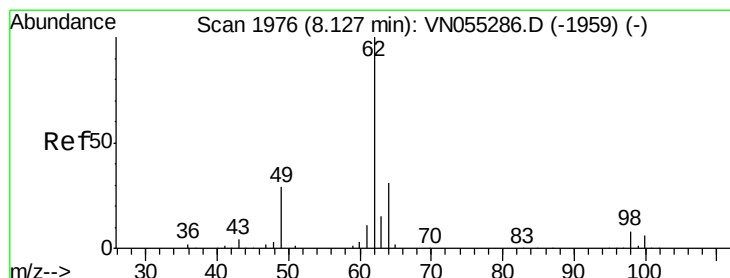
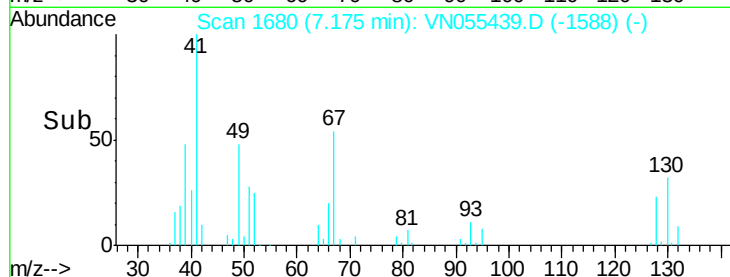
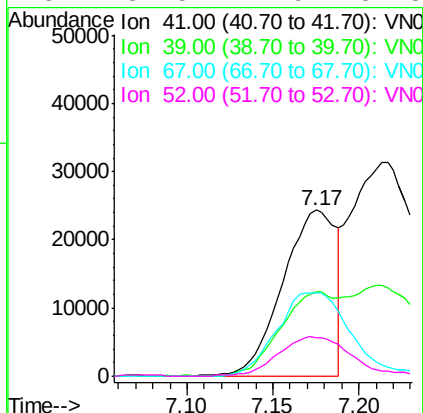
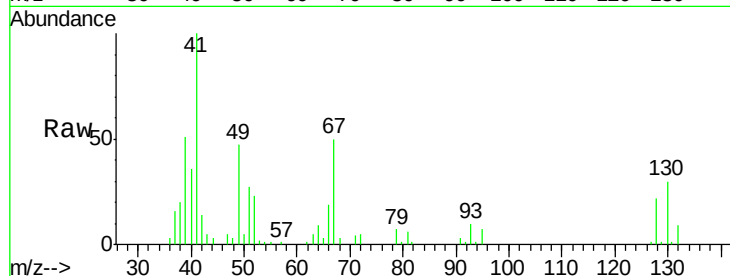
#41
Methacrylonitrile
Concen: 23.891 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	48.5	72.7	
67	70.5	54.9	82.3	
52	32.5	24.9	37.3	

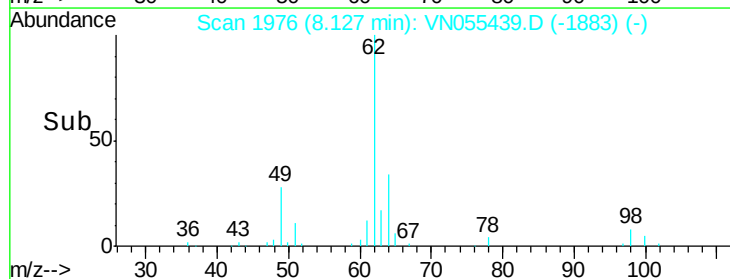
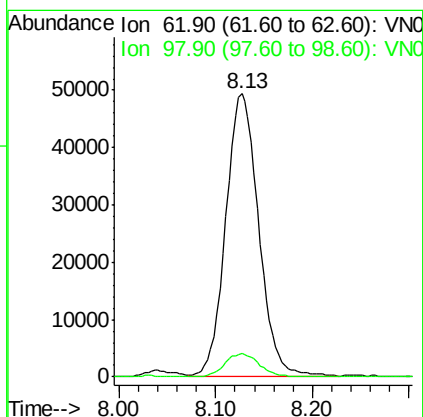
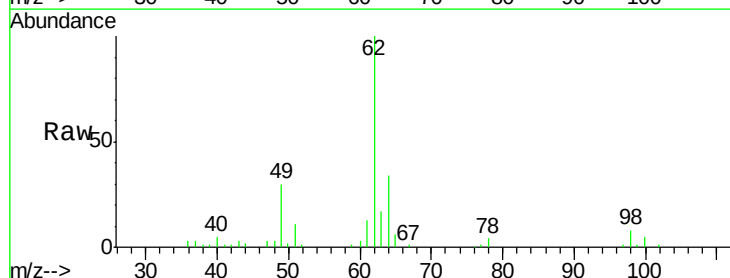
Manual Integrations
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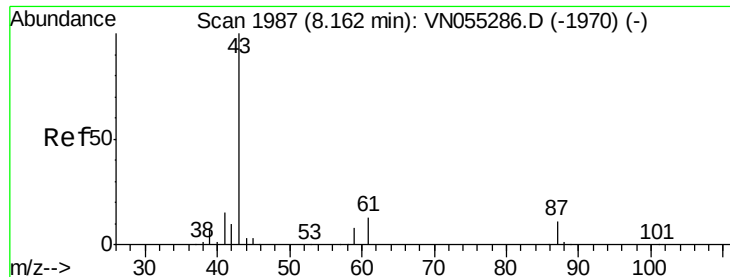
MMDadoda
5/8/2019 10:22:11 AM



#42
1,2-Dichloroethane
Concen: 20.630 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.4	





#43

Isopropyl Acetate

Concen: 24.634 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

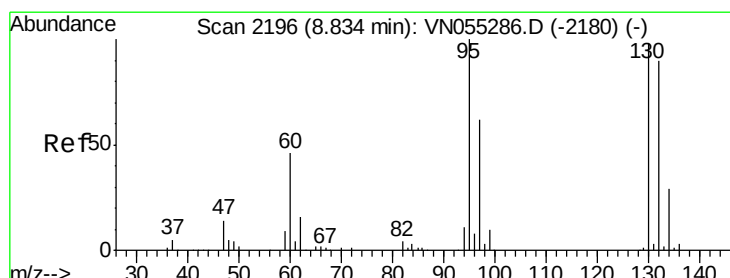
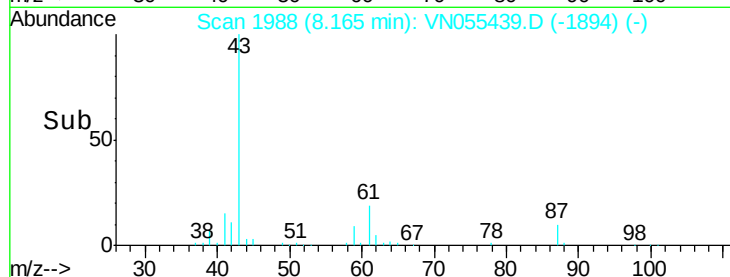
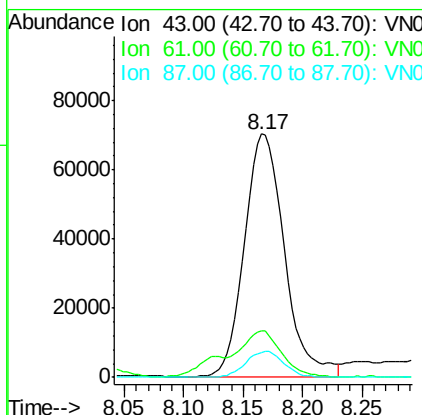
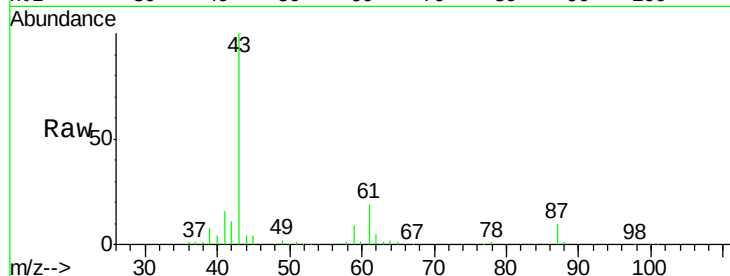
ClientSampleId :

VN0507MBSD01

Tot Ion:	43	Resp:	163833
Ion	Ratio	Lower	Upper
43	100		
61	18.9	20.8	31.2#
87	10.2	8.5	12.7

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#44

Trichloroethene

Concen: 19.311 ug/l

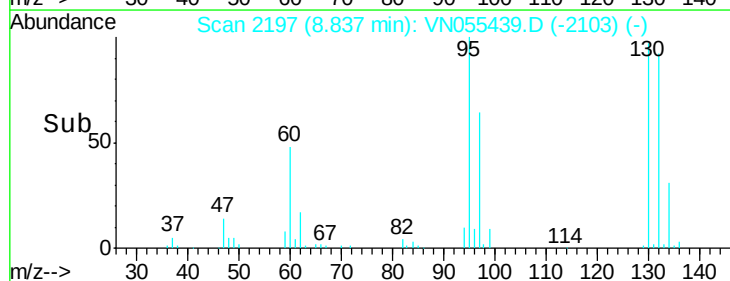
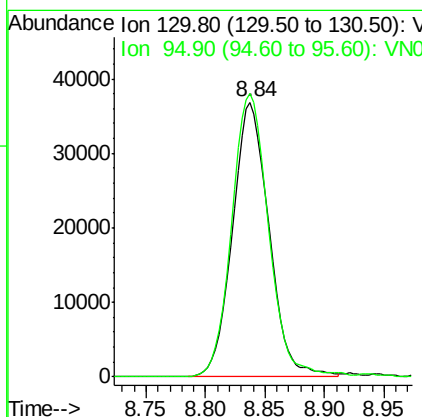
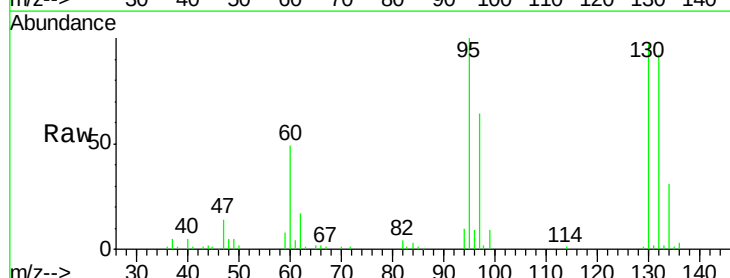
RT: 8.84 min Scan# 2197

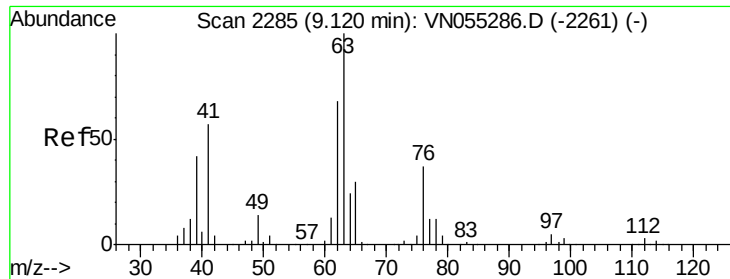
Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Tgt Ion:	130	Resp:	78361
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	203.4





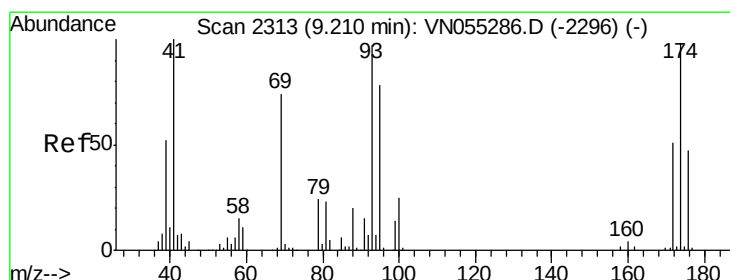
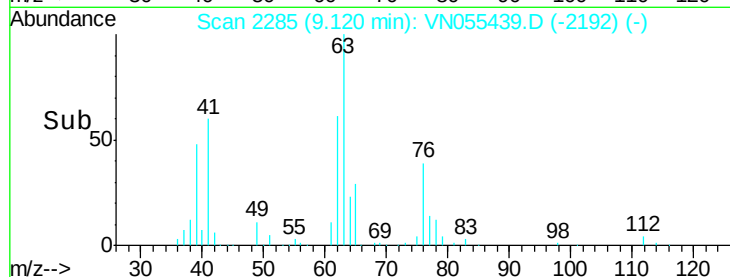
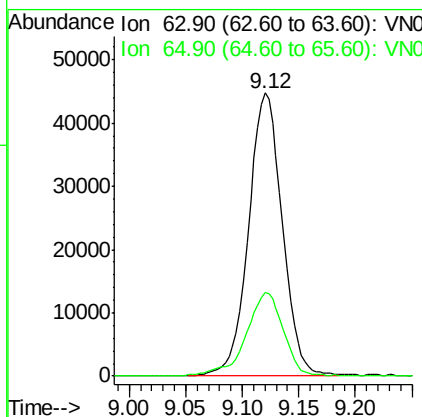
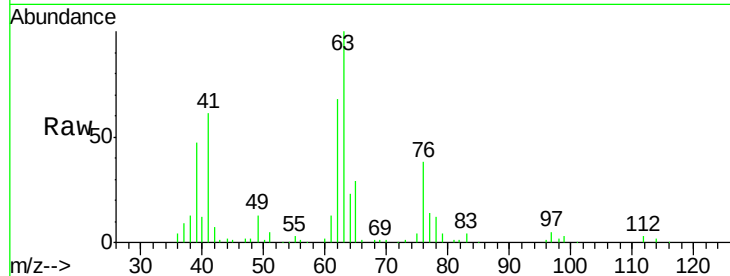
#45
 1,2-Dichloropropane
 Concen: 20.222 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion: 63 Resp: 92840
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.9 35.9

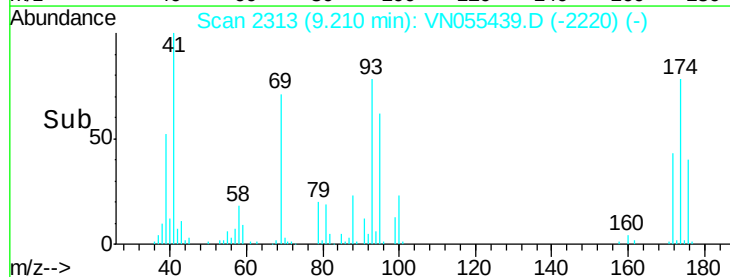
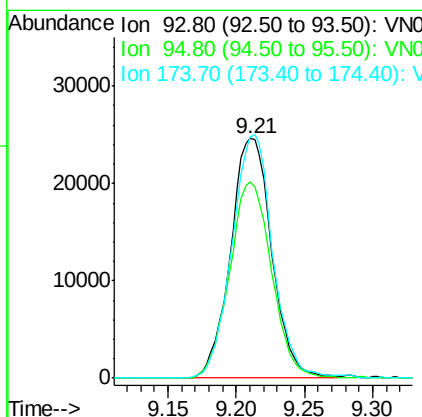
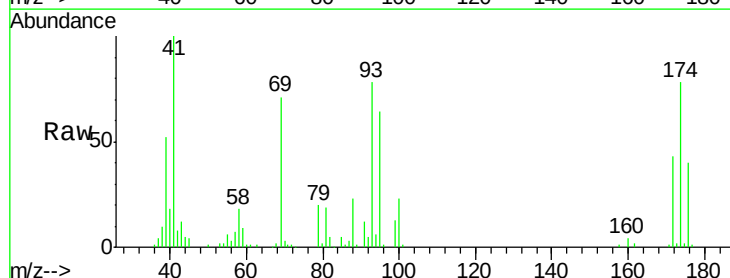
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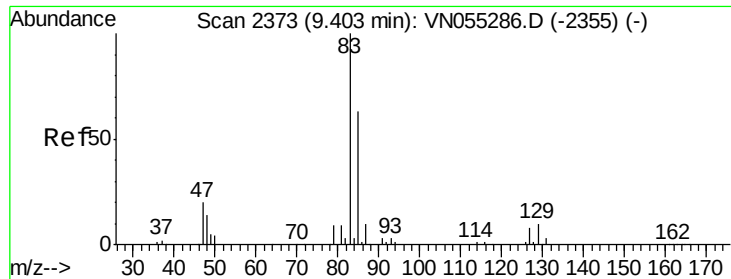
MMDadoda
 5/8/2019 10:22:11 AM



#46
 Dibromomethane
 Concen: 20.619 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion: 93 Resp: 51741
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.7 98.5
 174 99.8 81.5 122.3





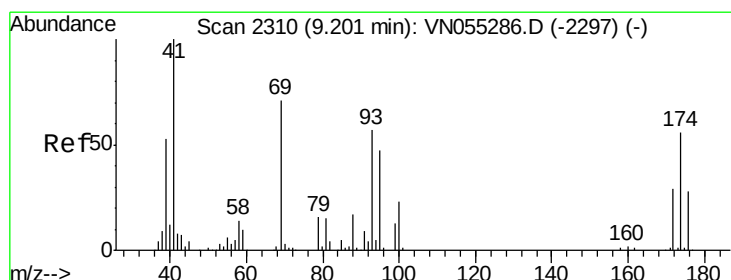
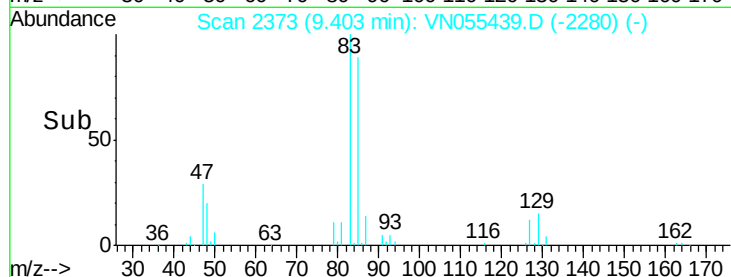
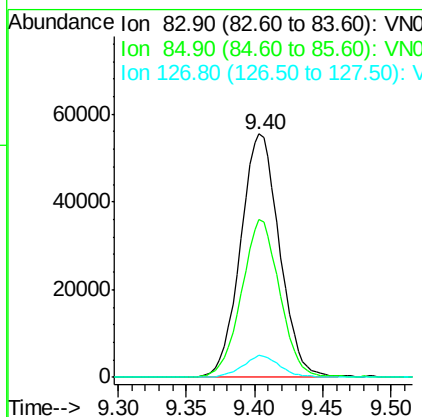
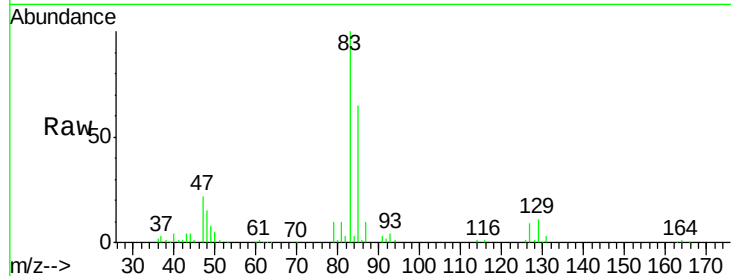
#47
Bromodichloromethane
Concen: 20.442 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	83	Resp	110050
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.1	75.1
127	9.0	6.7	10.1

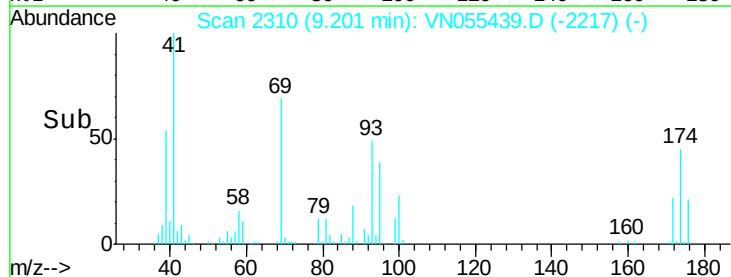
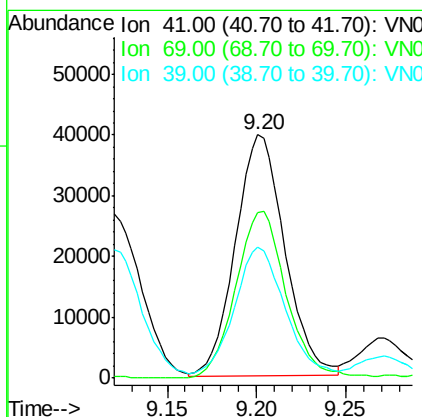
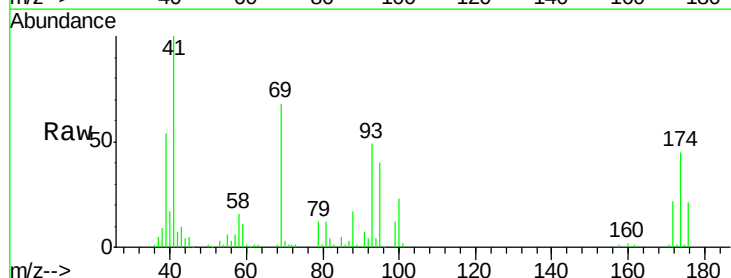
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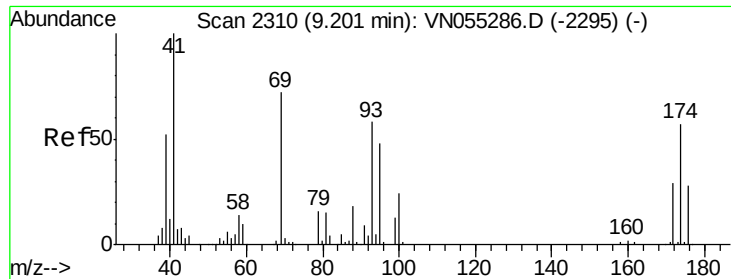
MMDadoda
5/8/2019 10:22:11 AM



#48
Methyl methacrylate
Concen: 23.612 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	41	Resp	77198
Ion Ratio	100	Lower	Upper
41	100		
69	70.6	58.6	87.8
39	54.6	43.8	65.6





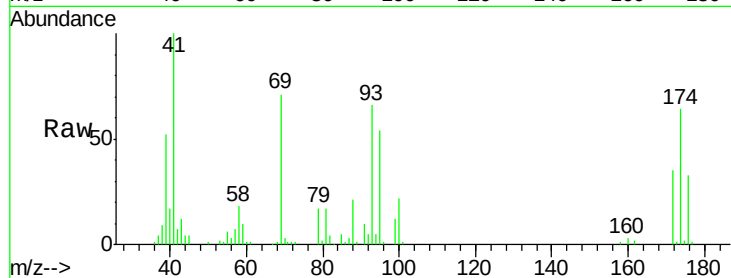
#49
1,4-Dioxane
Concen: 499.891 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.6	33.3	49.9
58	79.5	62.7	94.1

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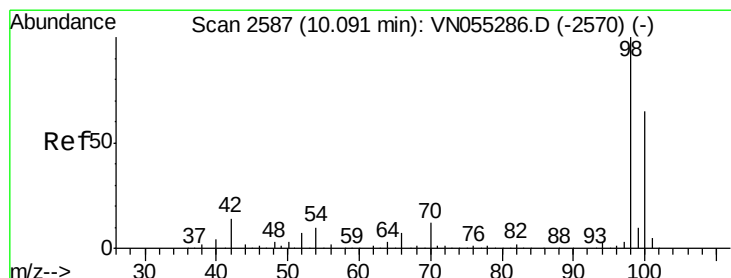
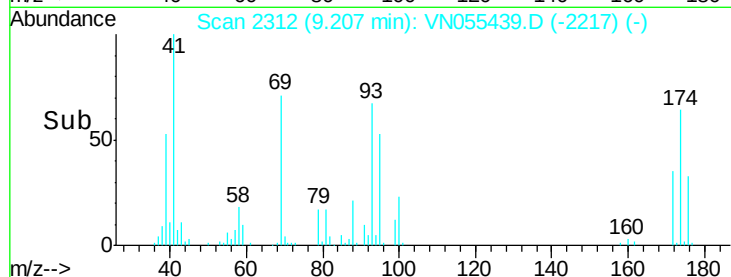
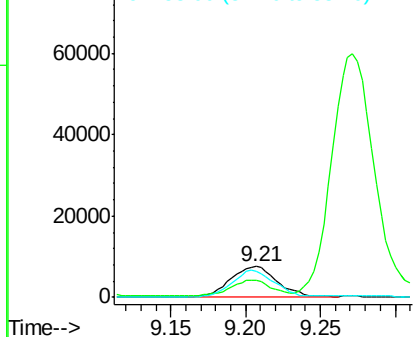


Abundance

Ion 88.00 (87.70 to 88.70): VN055439.D (-2217) (-)

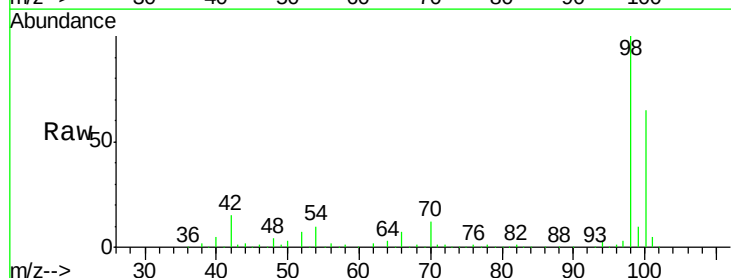
Ion 43.00 (42.70 to 43.70): VN055439.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055439.D (-2217) (-)



#50
Toluene-d8
Concen: 47.826 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

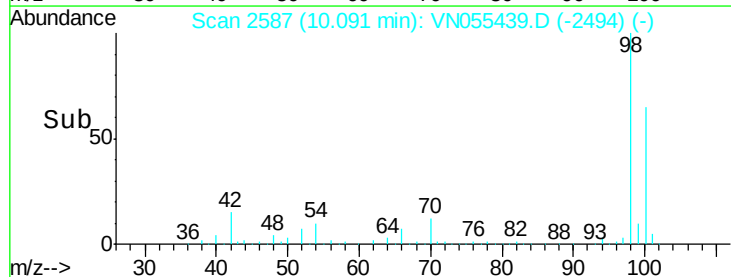
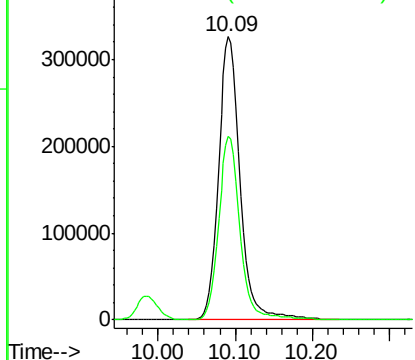
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.7	77.5

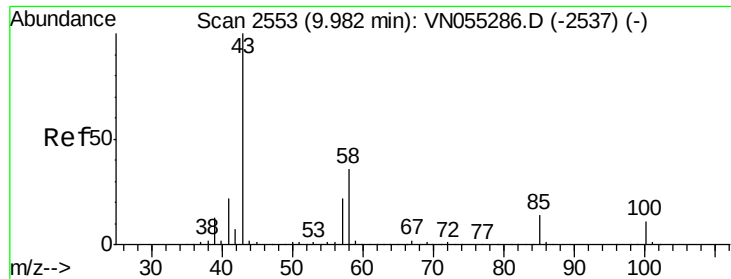


Abundance

Ion 98.00 (97.70 to 98.70): VN055439.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055439.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 123.503 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

Tot Ion: 43 Resp: 462442

Ion Ratio Lower Upper

43 100

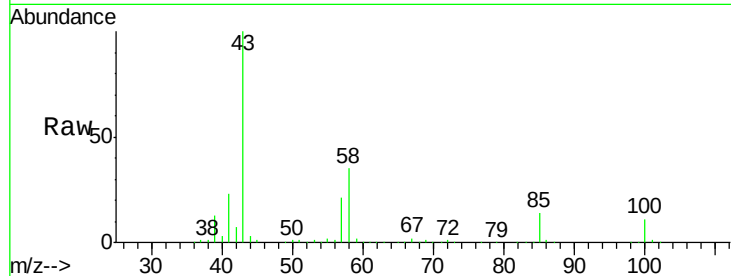
58 35.3 28.5 42.7

Manual Integrations

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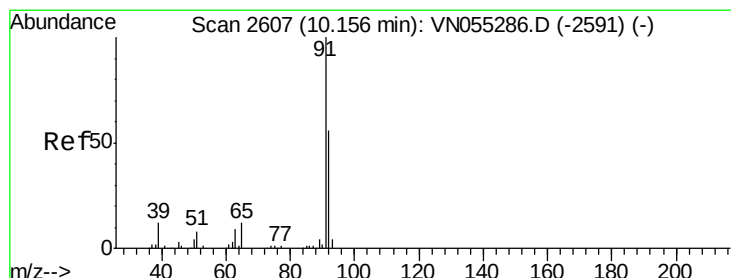
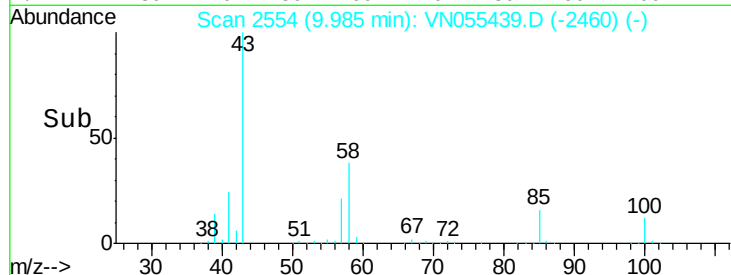
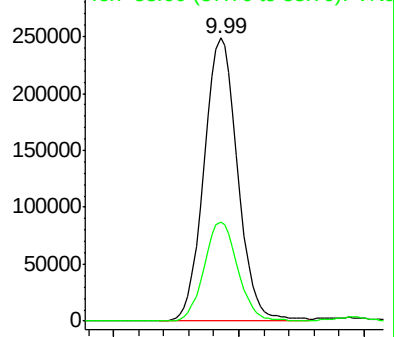
MMDadoda

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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: 19.692 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055439.D

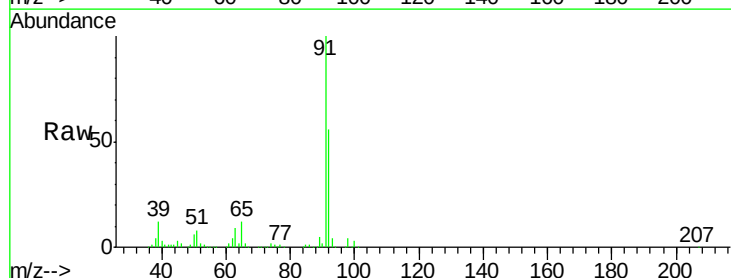
Acq: 7 May 2019 15:54

Tgt Ion: 92 Resp: 179853

Ion Ratio Lower Upper

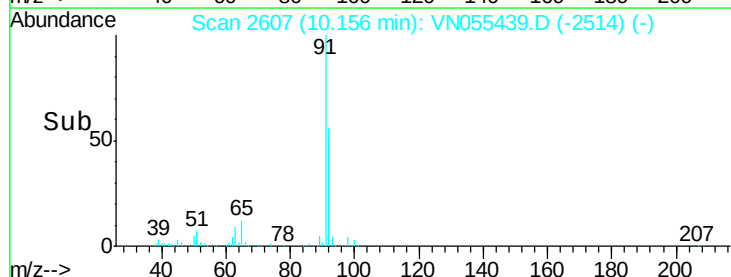
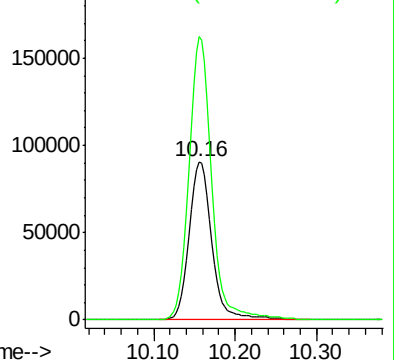
92 100

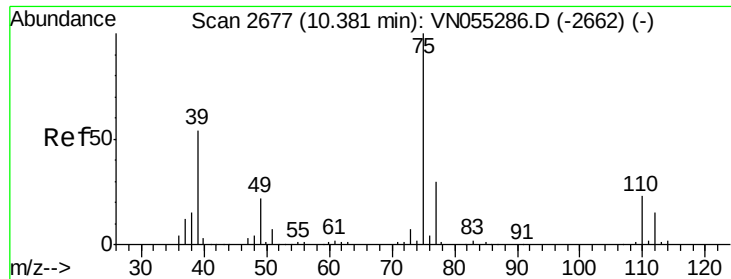
91 178.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





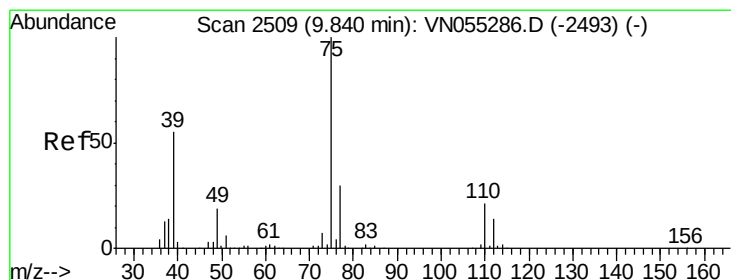
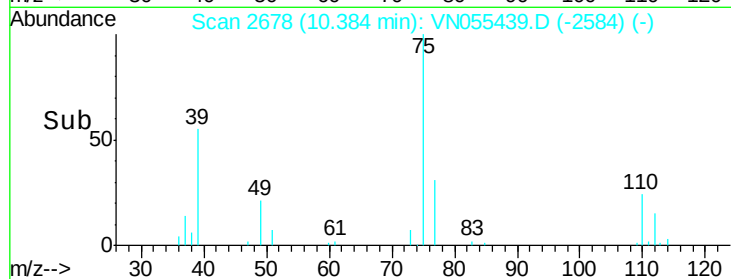
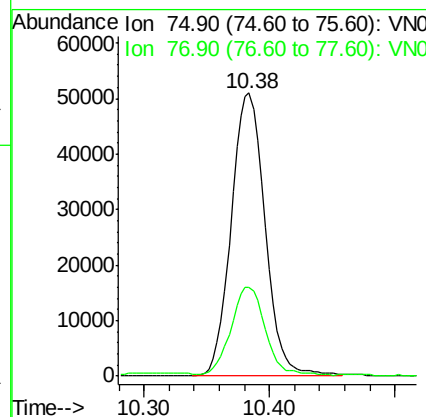
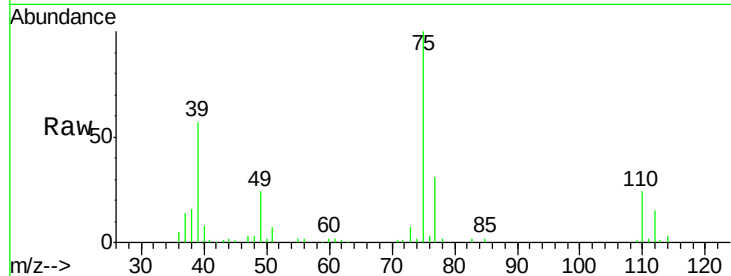
#53
t-1,3-Dichloropropene
Concen: 20.526 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion: 75 Resp: 95927
Ion Ratio Lower Upper
75 100
77 30.7 24.4 36.6

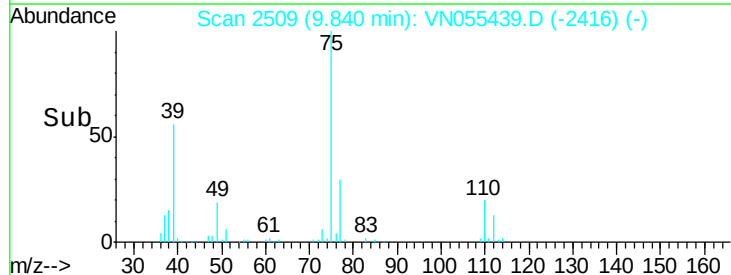
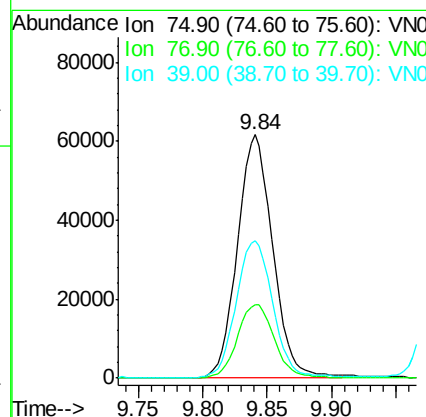
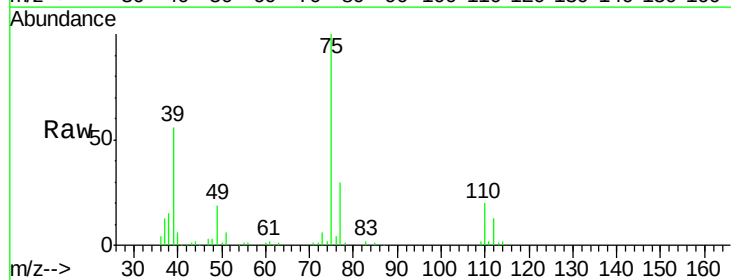
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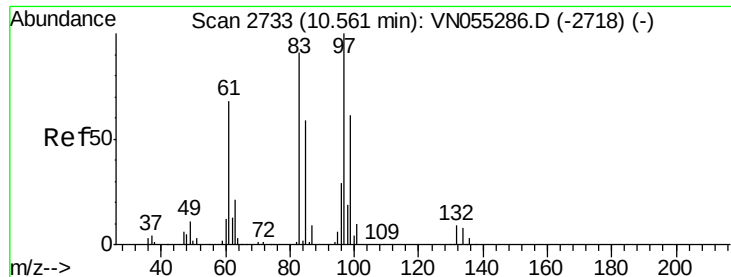
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#54
cis-1,3-Dichloropropene
Concen: 20.183 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion: 75 Resp: 117601
Ion Ratio Lower Upper
75 100
77 30.4 24.2 36.2
39 55.9 44.2 66.2





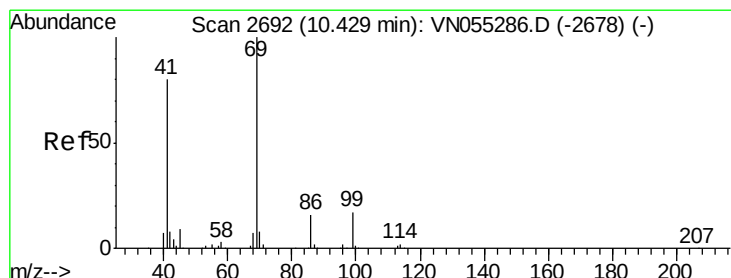
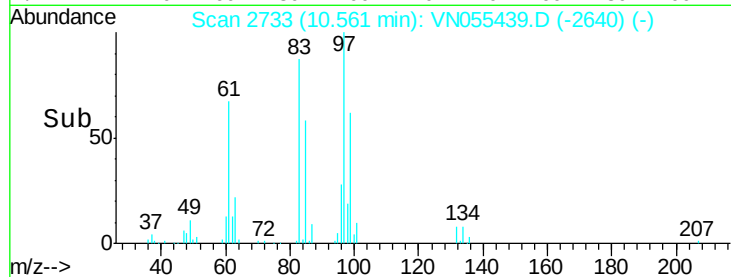
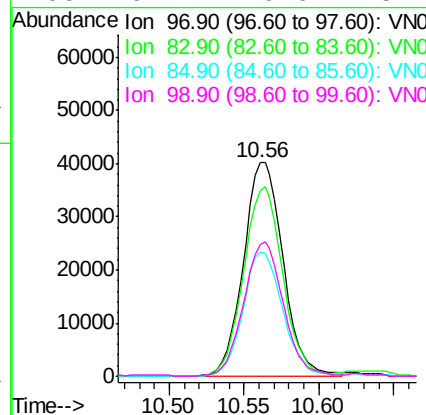
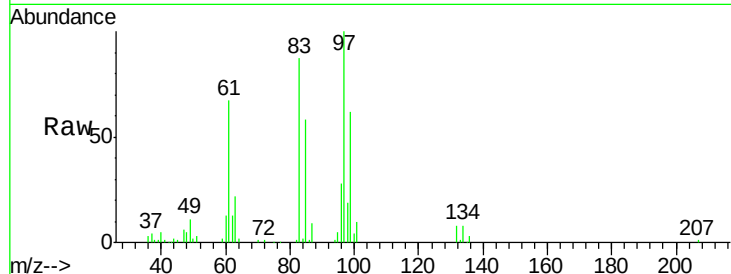
#55
 1,1,2-Trichloroethane
 Concen: 21.884 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion:	97	Resp:	74220
Ion	Ratio	Lower	Upper
97	100		
83	87.1	72.8	109.2
85	58.3	47.0	70.6
99	61.7	49.0	73.4

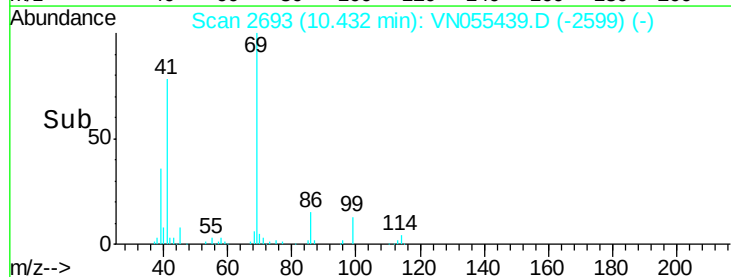
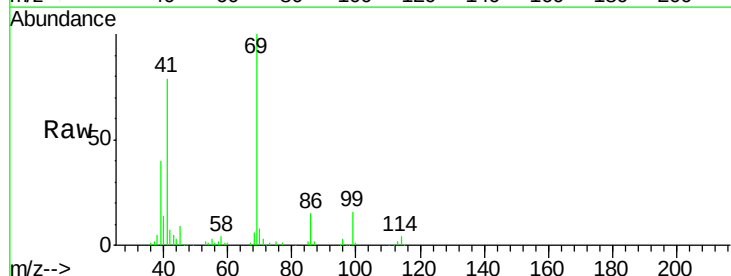
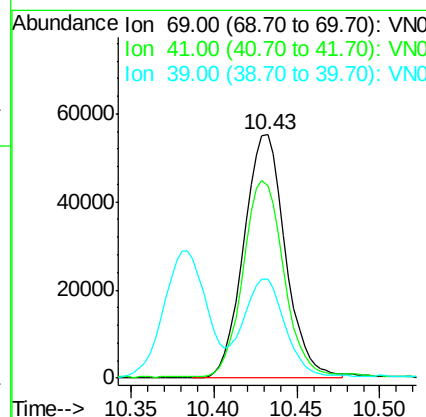
Manual Integrations
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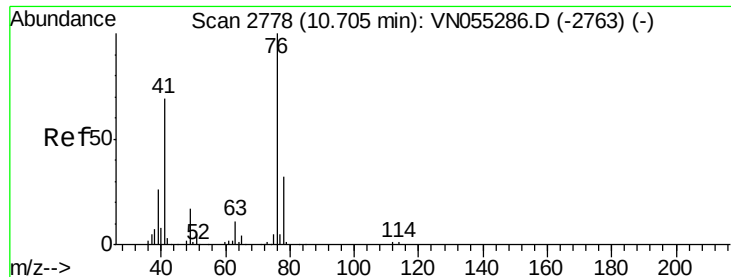
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 23.154 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion:	69	Resp:	96656
Ion	Ratio	Lower	Upper
69	100		
41	78.7	62.7	94.1
39	40.2	32.0	48.0





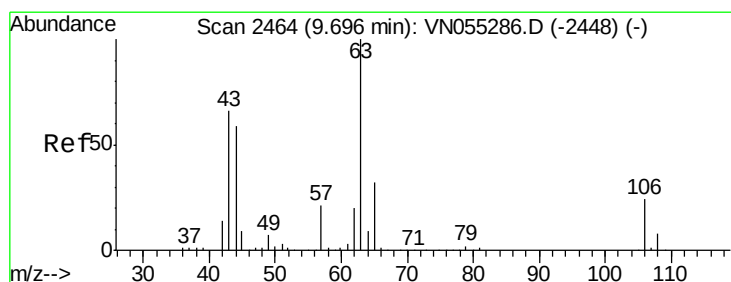
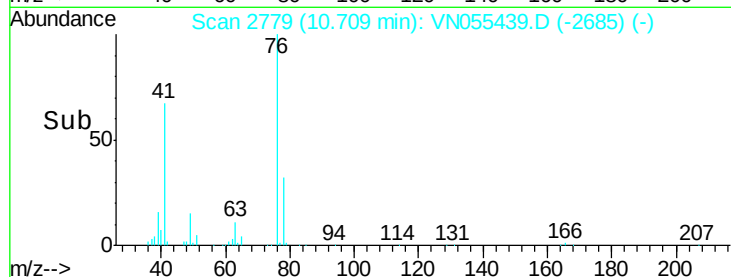
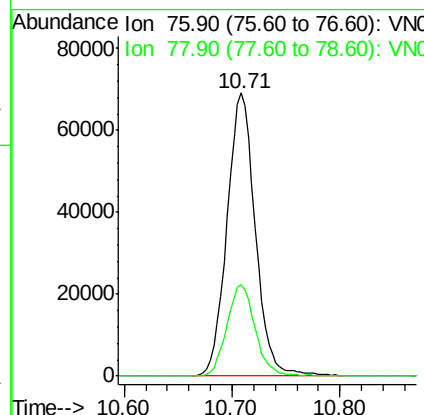
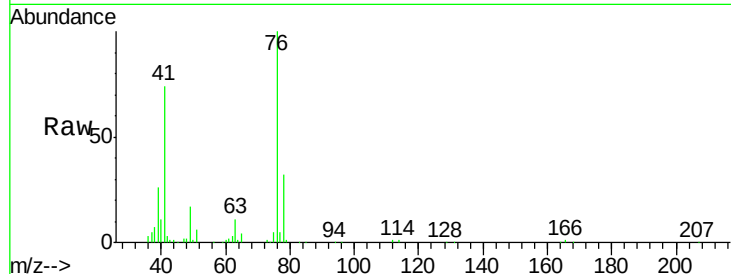
#57
 1,3-Dichloropropane
 Concen: 21.184 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion: 76 Resp: 126040
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4

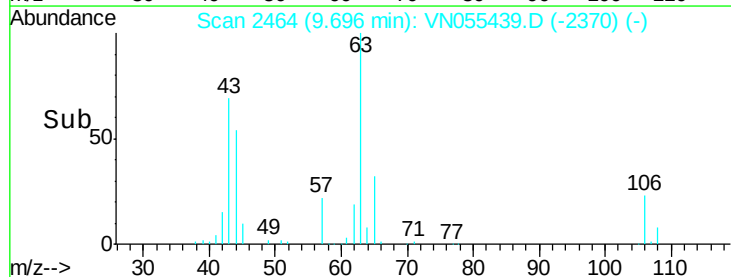
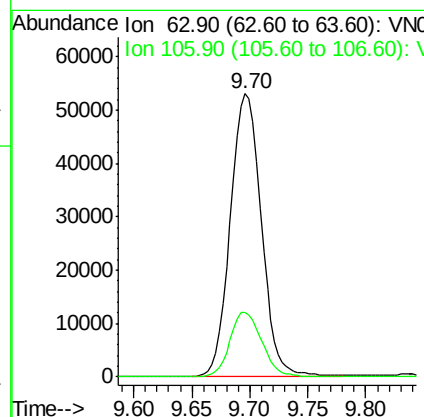
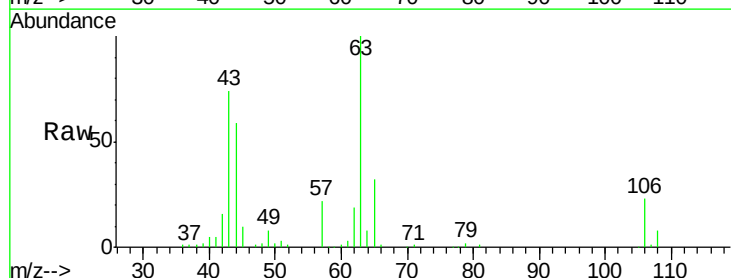
Manual Integrations
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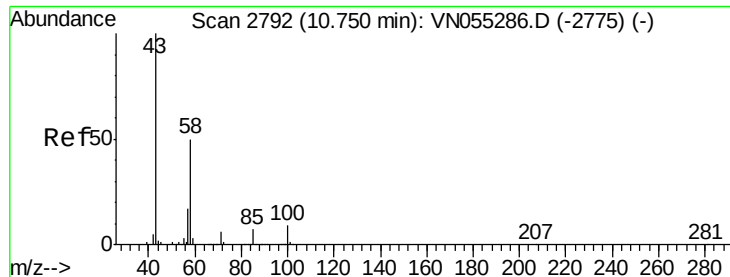
MMDadoda
 5/8/2019 10:22:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.982 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion: 63 Resp: 98935
 Ion Ratio Lower Upper
 63 100
 106 23.5 19.0 28.4





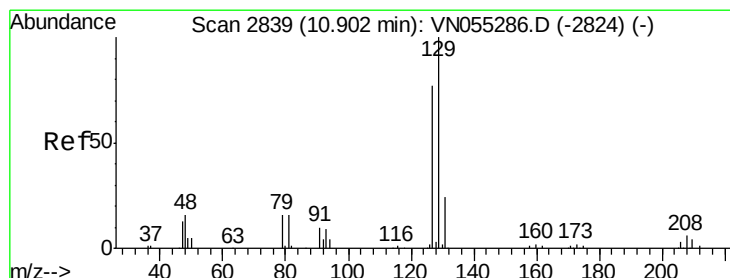
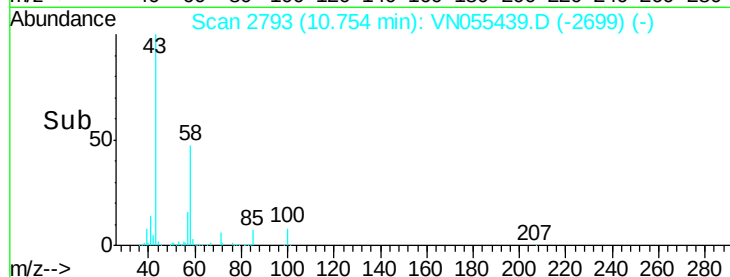
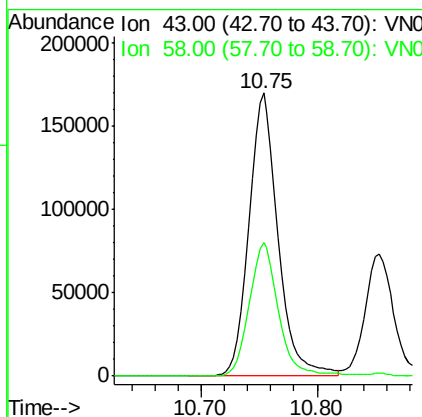
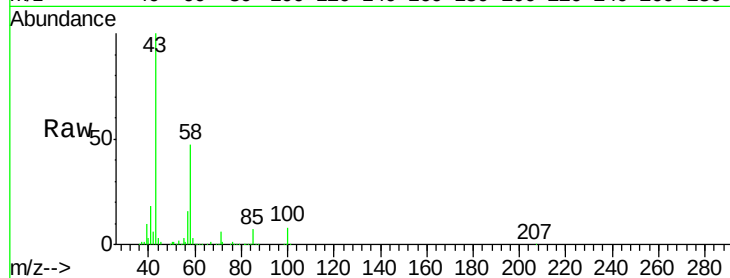
#59
2-Hexanone
Concen: 126.322 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.8	24.9	74.6

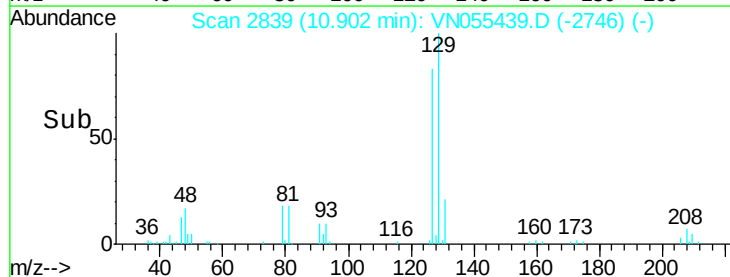
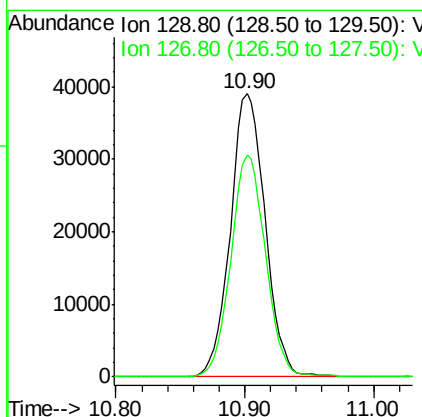
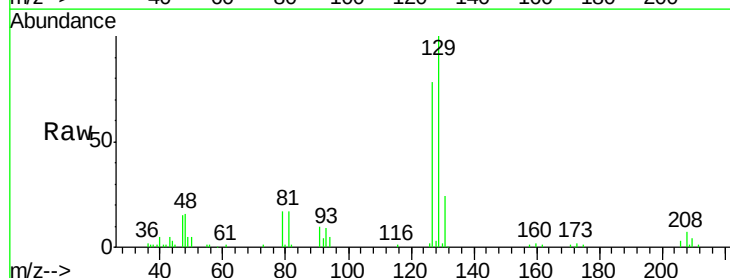
Manual Integrations
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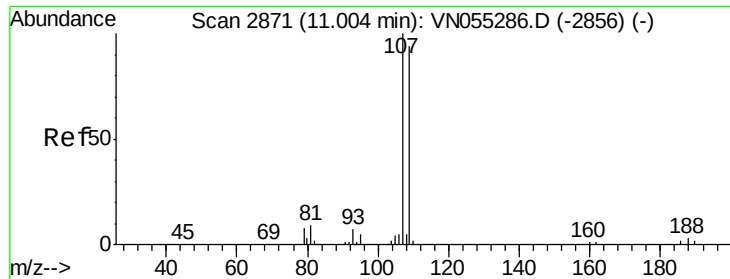
MMDadoda
5/8/2019 10:22:11 AM



#60
Dibromochloromethane
Concen: 21.126 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.1	114.5





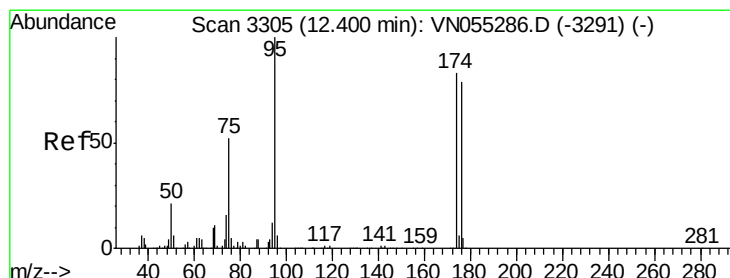
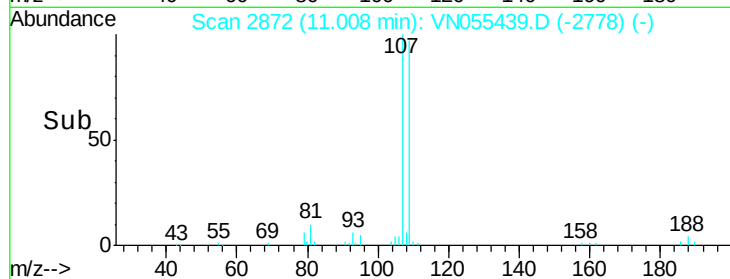
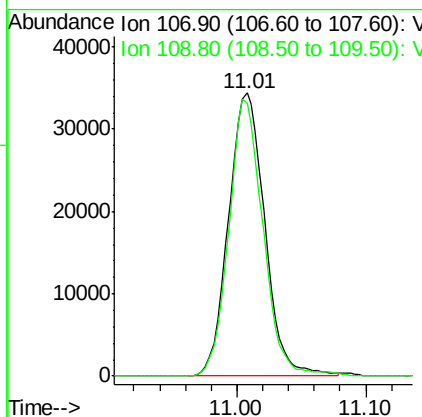
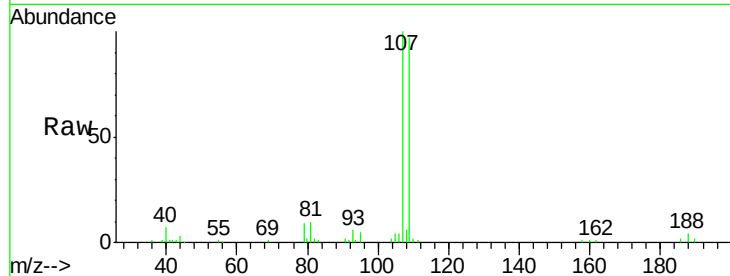
#61
 1,2-Dibromoethane
 Concen: 21.429 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.0	112.6

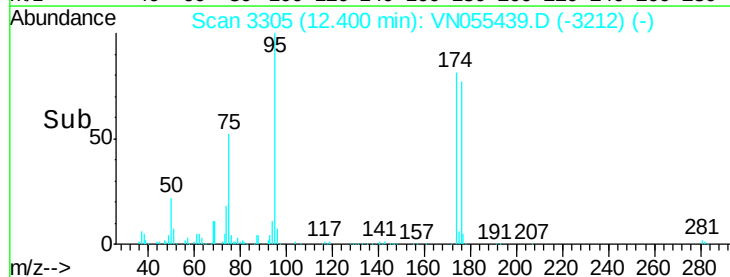
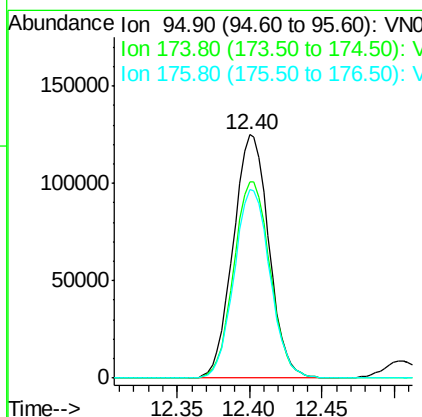
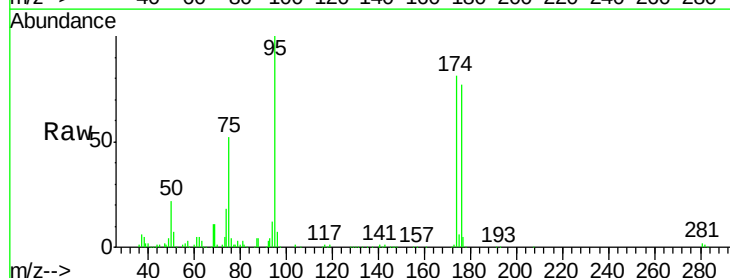
Manual Integrations
 APPROVED

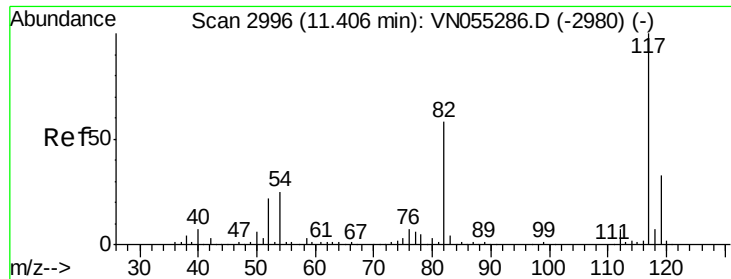
MMDadoda
 5/8/2019 10:22:11 AM



#62
 4-Bromofluorobenzene
 Concen: 51.406 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.9	0.0	166.6
176	77.7	0.0	157.8





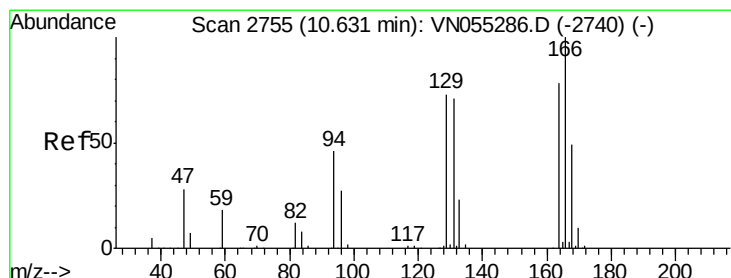
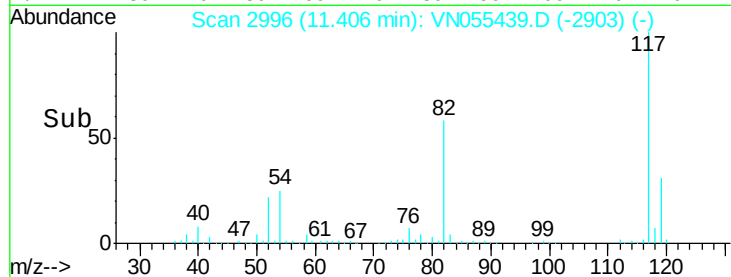
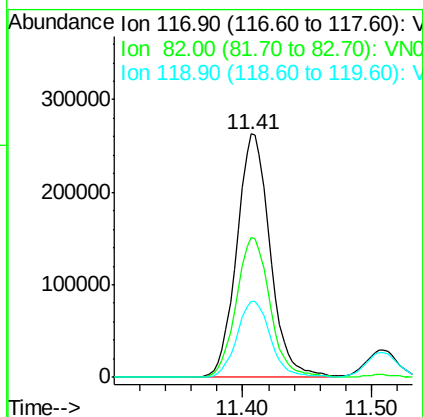
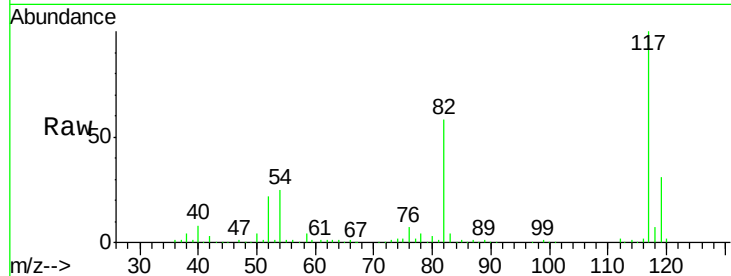
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.2	69.4
119	31.4	26.6	40.0

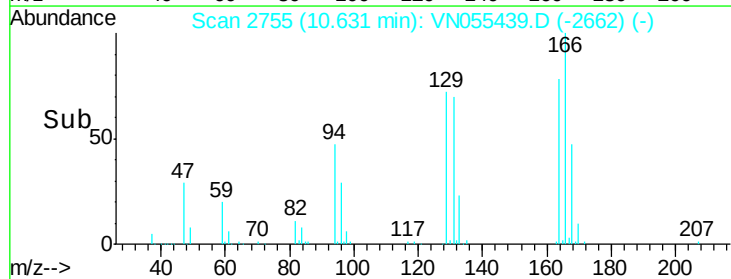
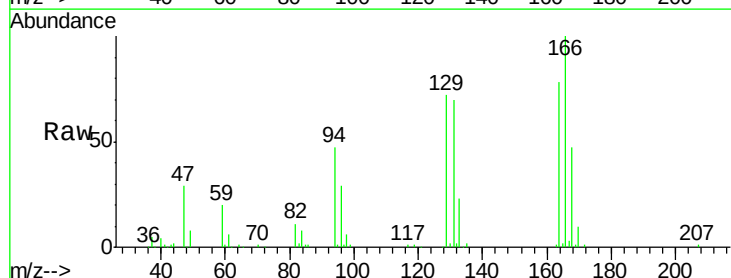
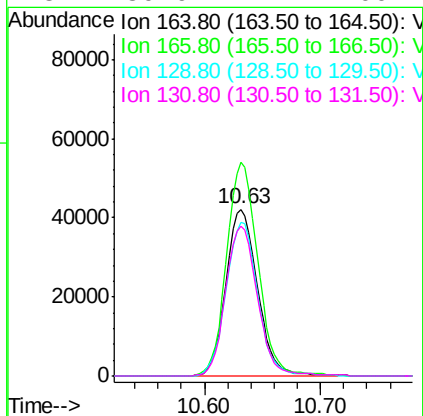
Manual Integrations
APPROVED

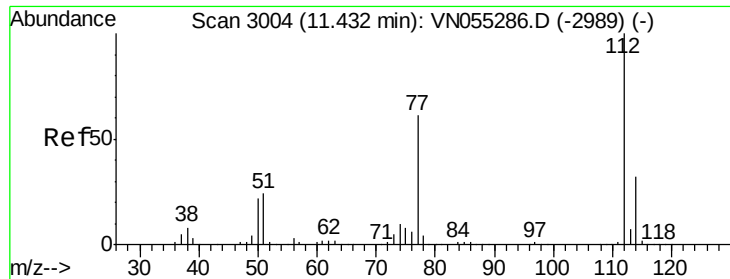
MMDadoda
5/8/2019 10:22:11 AM



#64
Tetrachloroethene
Concen: 20.505 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.3	153.5
129	91.9	75.0	112.6
131	89.9	72.7	109.1





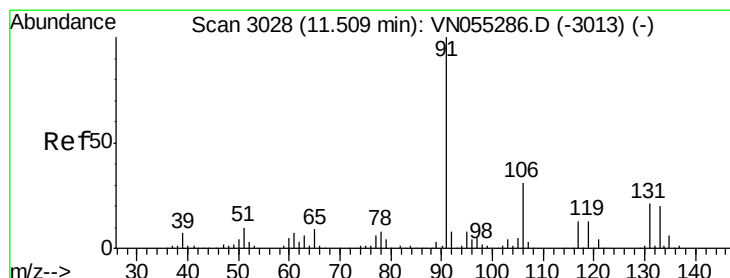
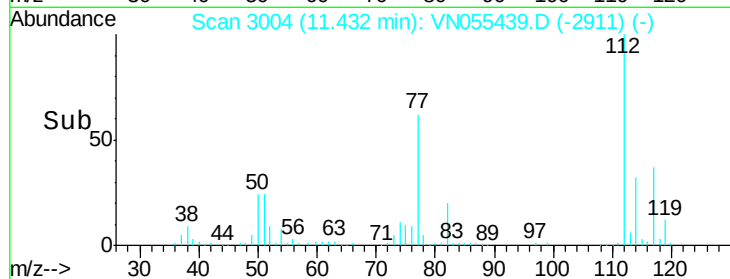
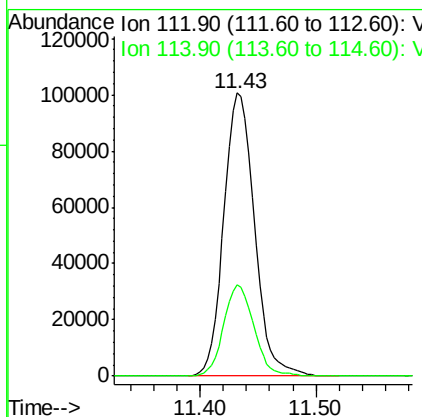
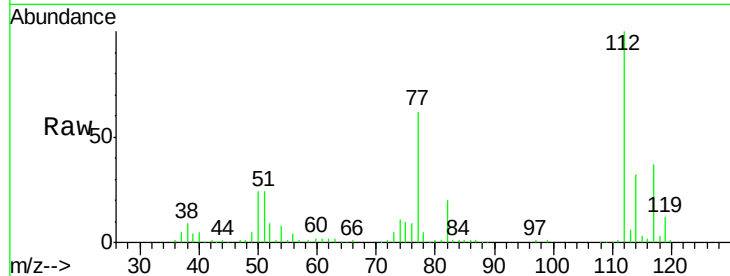
#65
Chlorobenzene
Concen: 19.915 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion:112 Resp: 184193
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

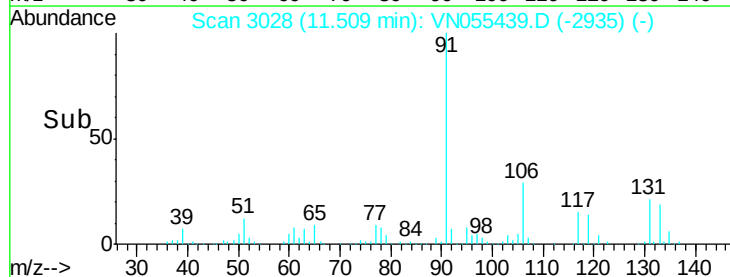
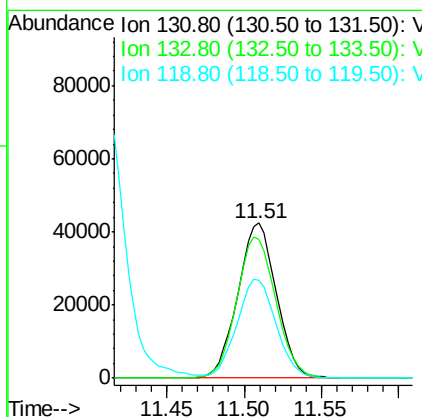
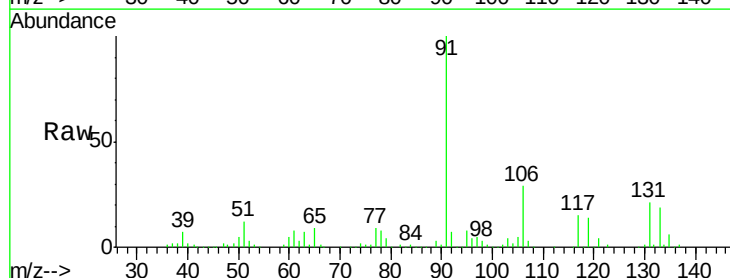
Manual Integrations
APPROVED

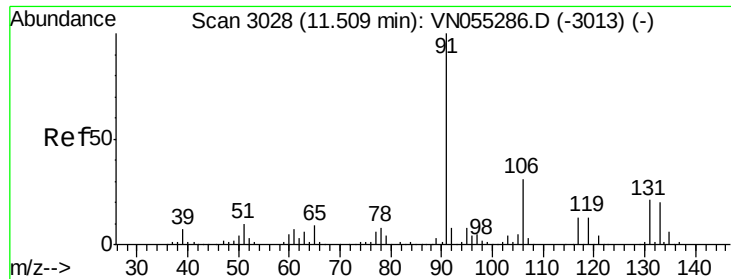
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.312 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion:131 Resp: 73560
Ion Ratio Lower Upper
131 100
133 92.5 47.5 142.6
119 64.5 32.7 98.1





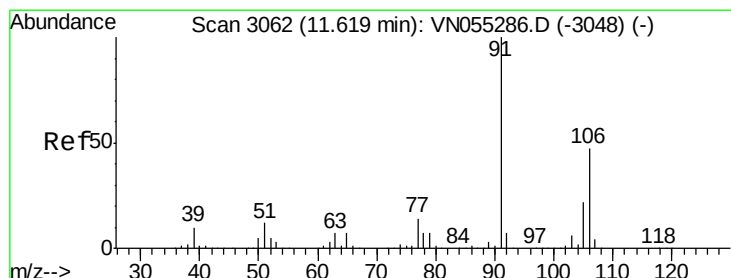
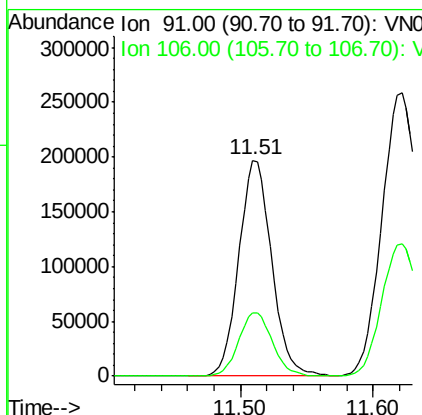
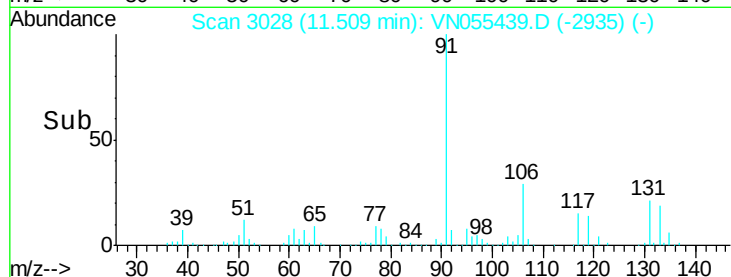
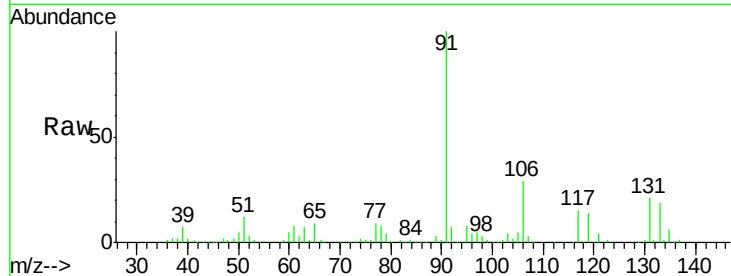
#67
Ethyl Benzene
Concen: 20.327 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion: 91 Resp: 339503
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8

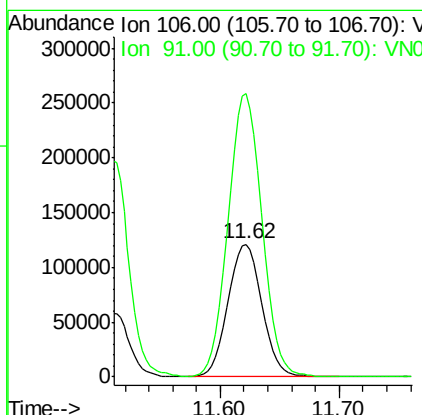
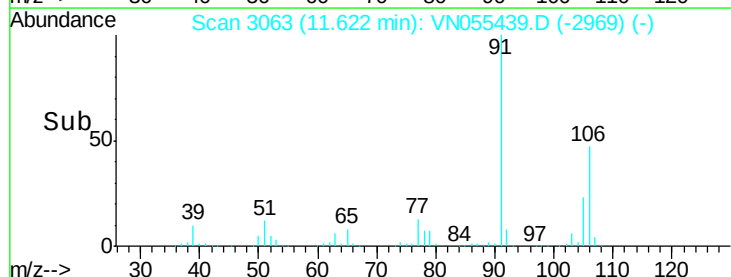
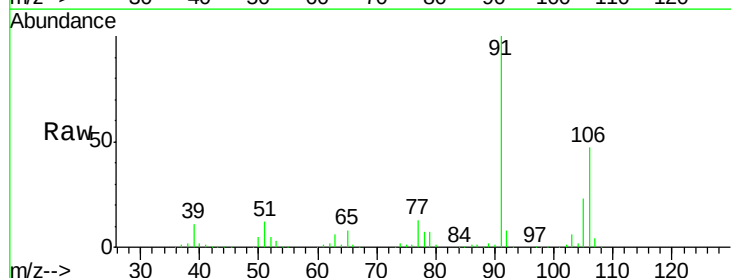
Manual Integrations
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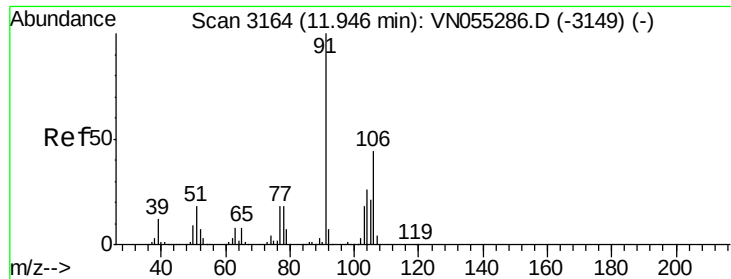
MMDadoda
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#68
m/p-Xylenes
Concen: 40.244 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion: 106 Resp: 239918
Ion Ratio Lower Upper
106 100
91 212.5 169.5 254.3





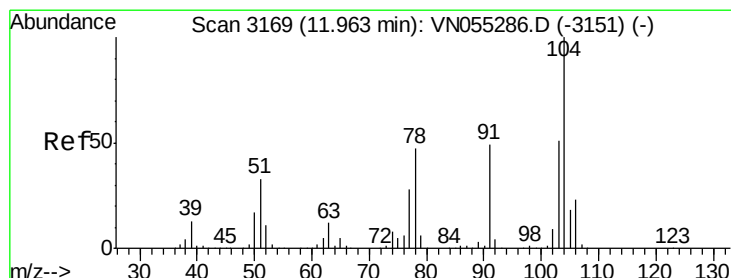
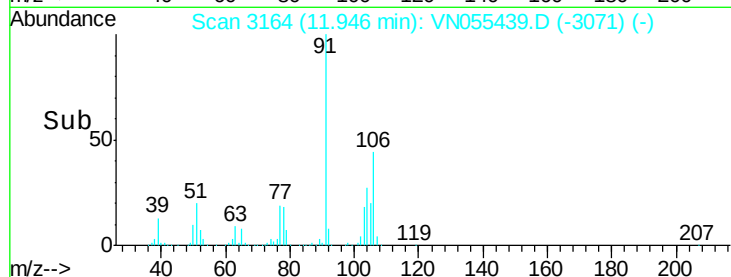
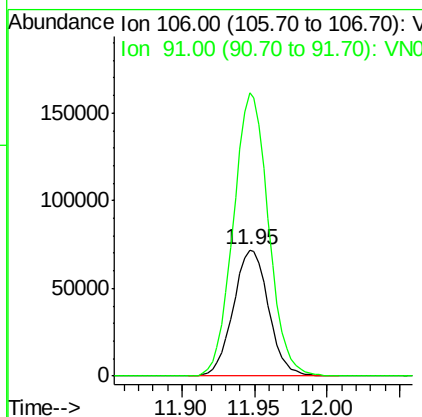
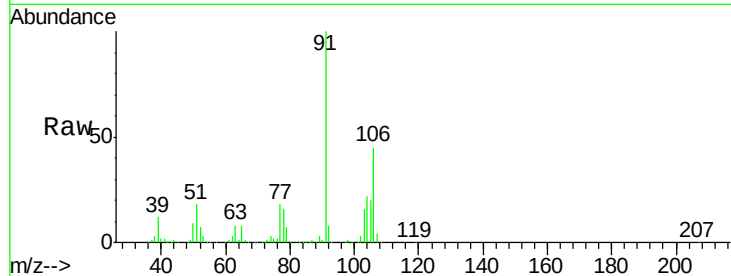
#69
o-Xylene
Concen: 20.584 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	121626		
91	91	223.0	111.5	334.5	

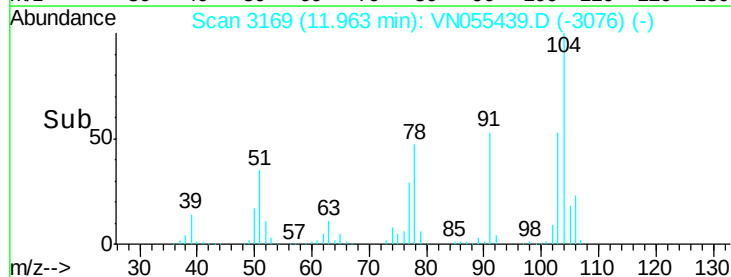
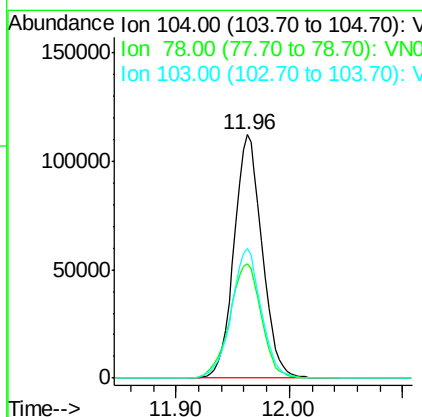
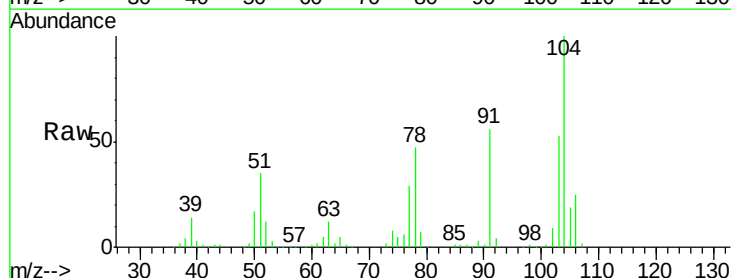
Manual Integrations
APPROVED

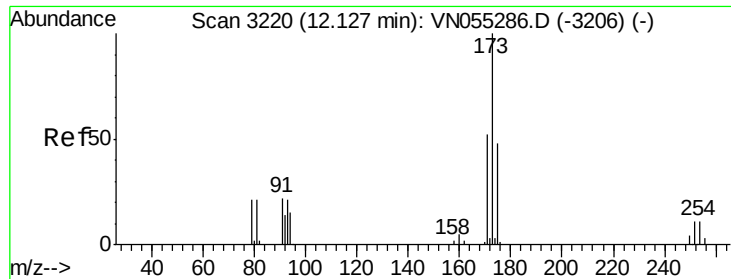
MMDadoda
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#70
Styrene
Concen: 21.353 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	193728		
78	78	52.8	42.2	63.2	
103	103	56.5	44.6	67.0	





#71

Bromoform

Concen: 21.825 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

Tot Ion:173 Resp: 43859

Ion Ratio Lower Upper

173 100

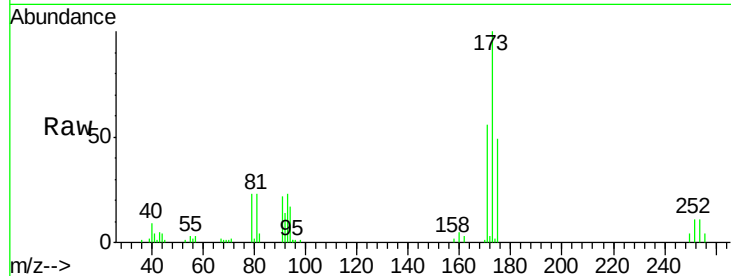
175 49.4 23.6 71.0

254 0.0 0.0 0.0

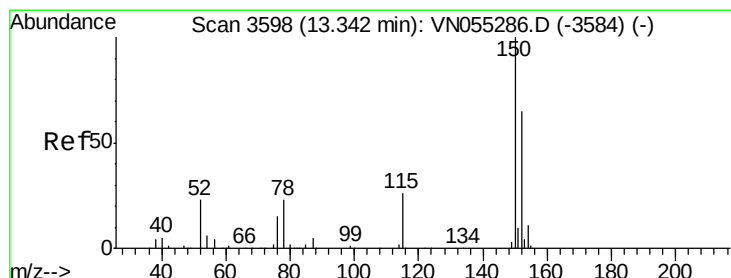
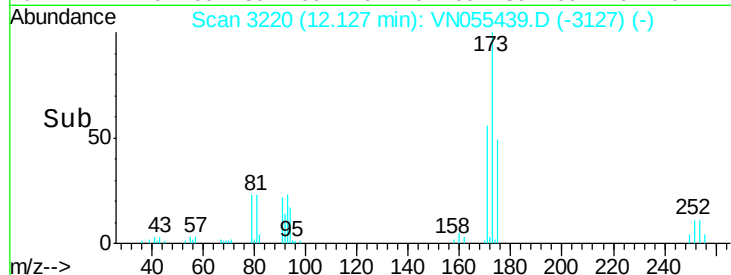
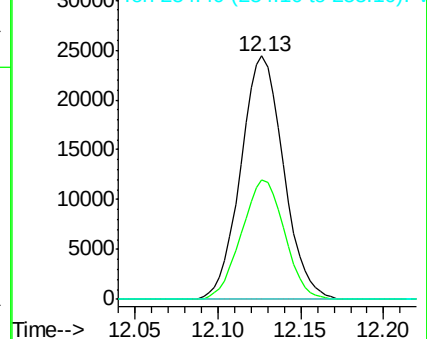
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

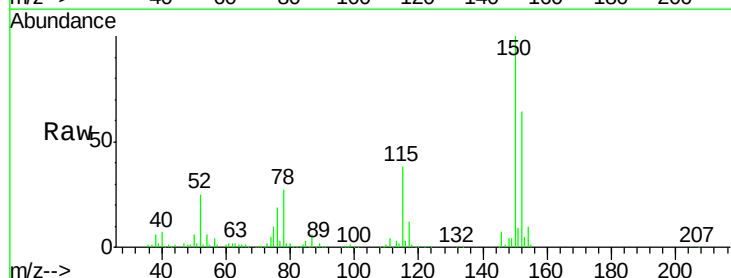
Tgt Ion:152 Resp: 183272

Ion Ratio Lower Upper

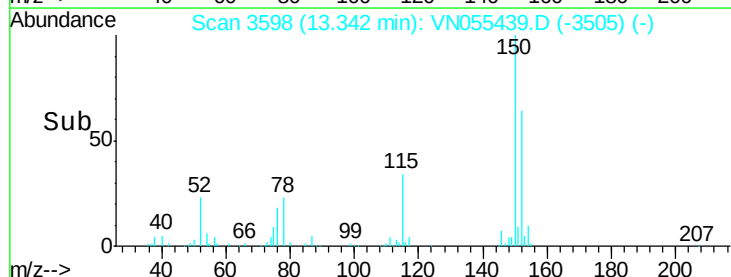
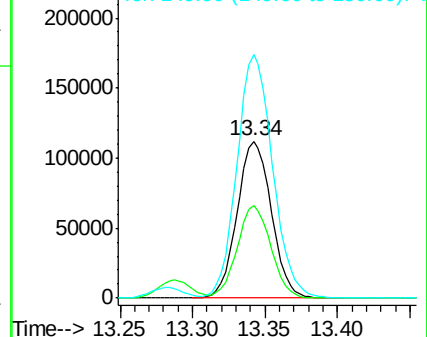
152 100

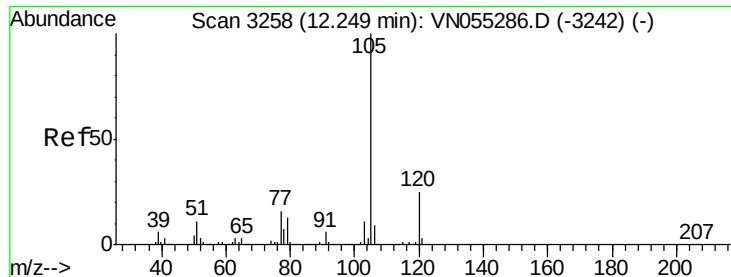
115 58.1 29.0 87.0

150 162.3 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: 20.957 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion:105 Resp: 332395

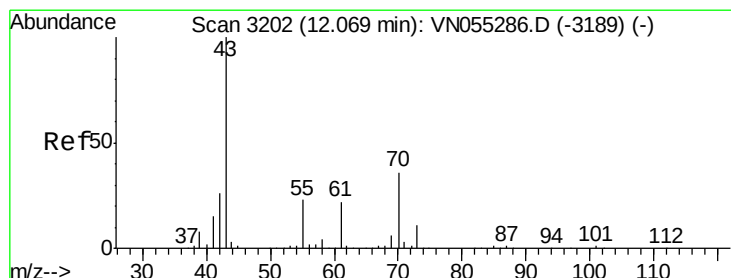
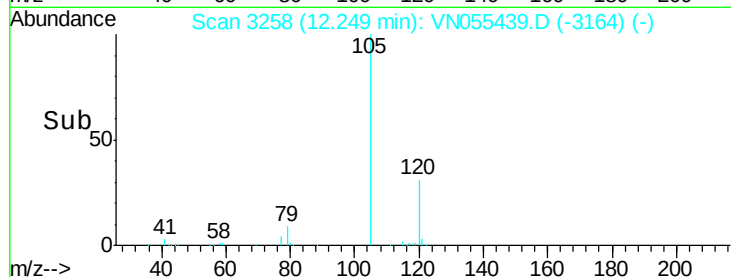
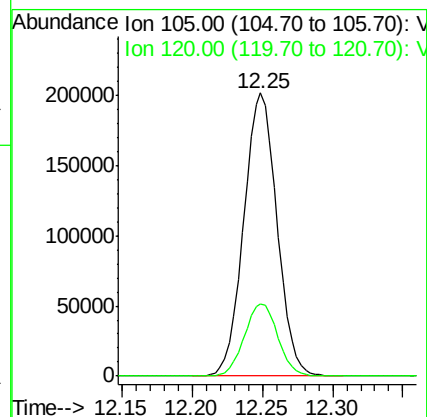
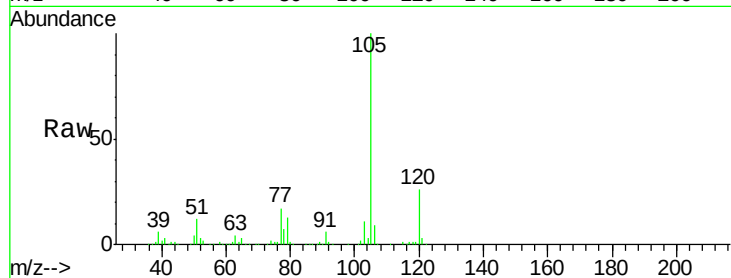
Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 23.196 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Tgt Ion: 43 Resp: 109100

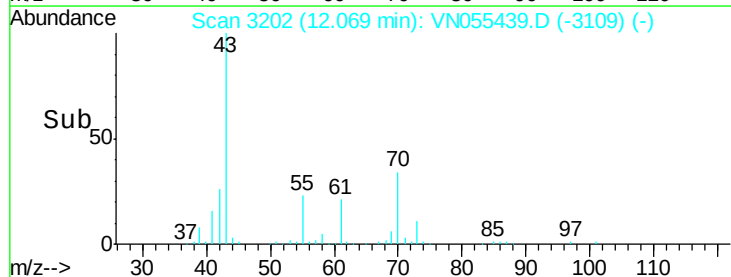
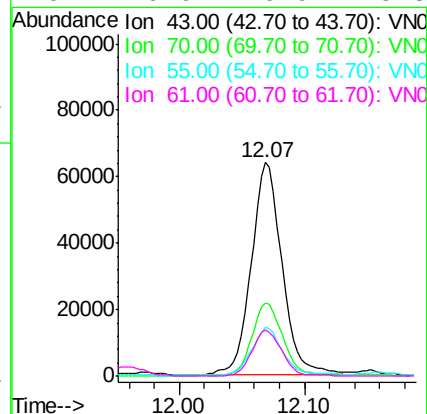
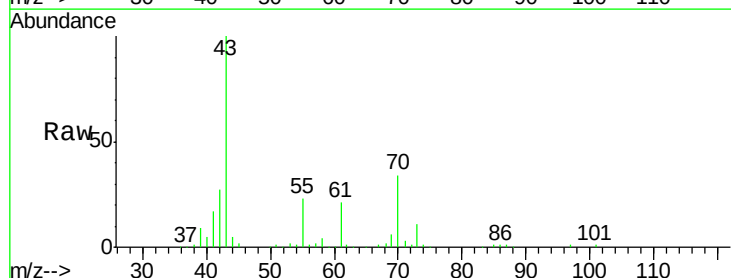
Ion Ratio Lower Upper

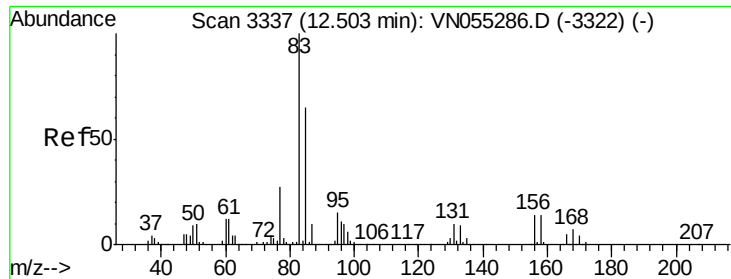
43 100

70 34.4 27.9 41.9

55 23.1 18.2 27.2

61 20.9 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 23.720 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

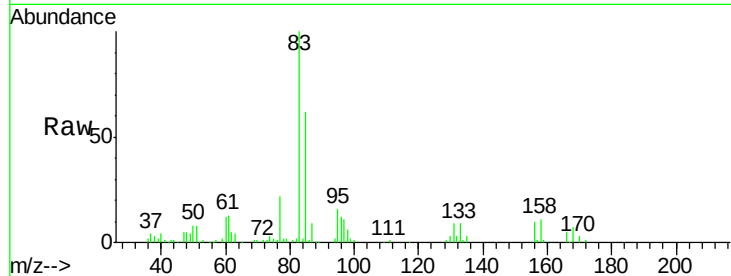
ClientSampled :

VN0507MBSD01

Tot Ion:	83	Resp:	92204
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.2
85	63.2	32.3	96.8

Manual Integrations
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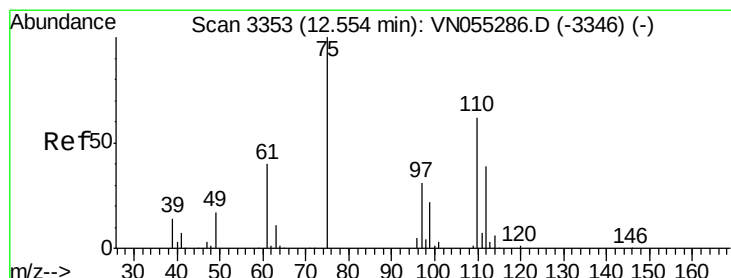
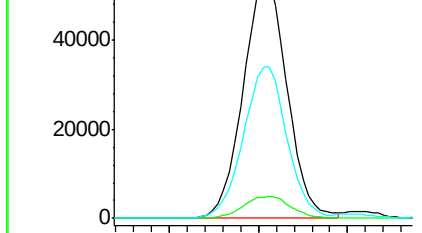
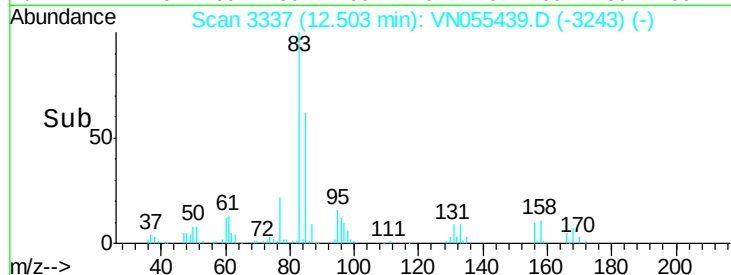


Abundance Ion 82.90 (82.60 to 83.60): VN055439.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055439.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055439.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.932 ug/l m

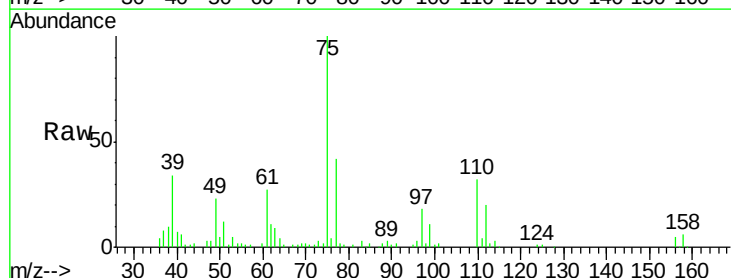
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

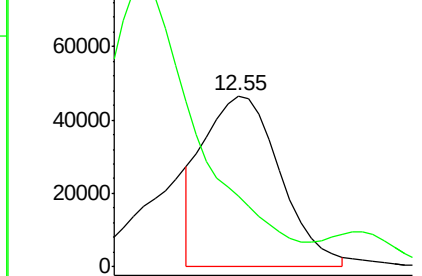
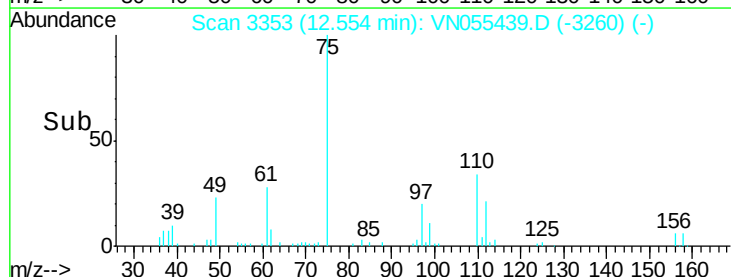
Tgt Ion:	75	Resp:	76293
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

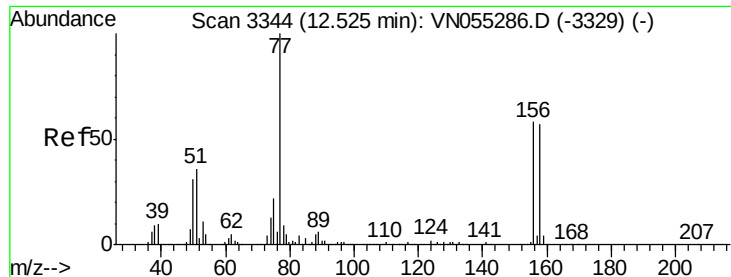


Abundance Ion 74.90 (74.60 to 75.60): VN055439.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055439.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 20.547 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

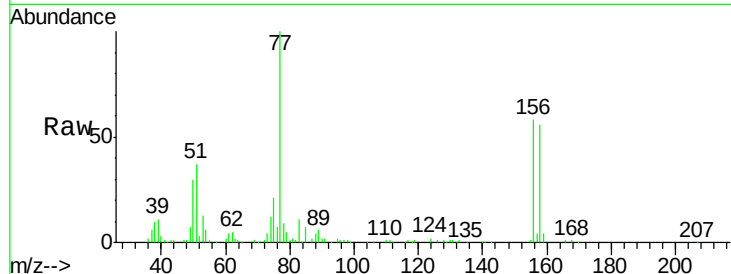
ClientSampled :

VN0507MBSD01

Tot Ion:	156	Resp:	76378
Ion Ratio	Lower	Upper	
156	100		
77	210.0	99.6	298.8
158	97.8	49.3	147.8

Manual Integrations
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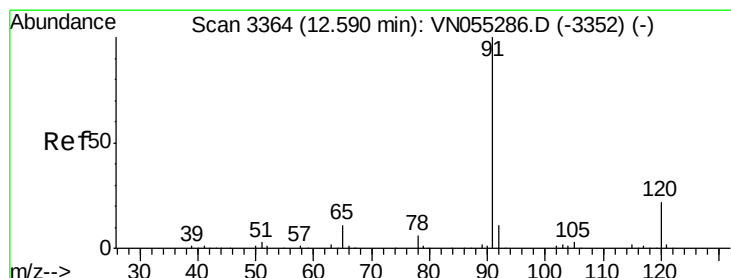
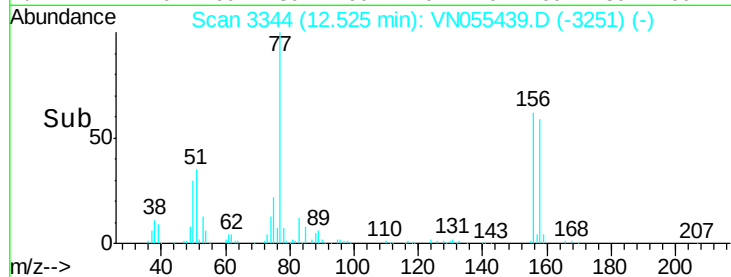
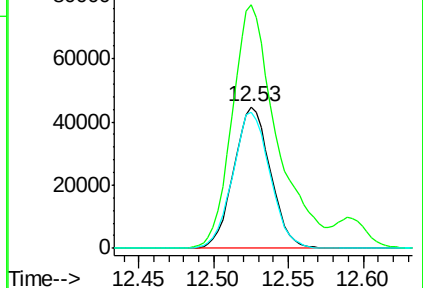
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.305 ug/l

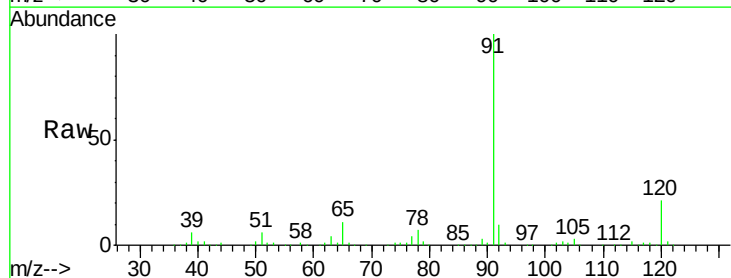
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055439.D

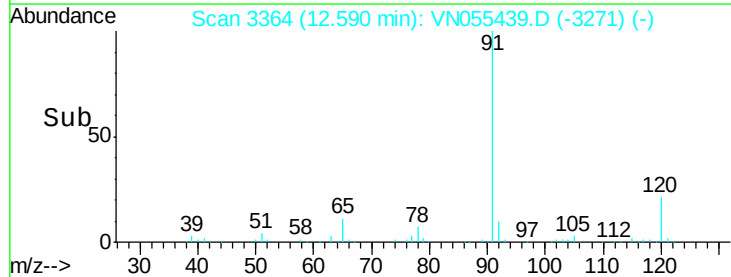
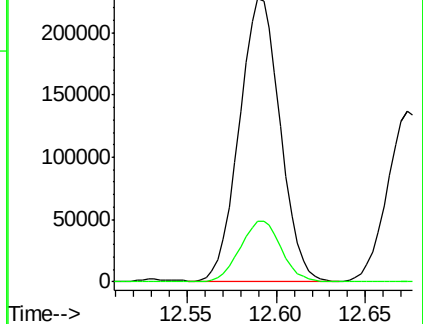
Acq: 7 May 2019 15:54

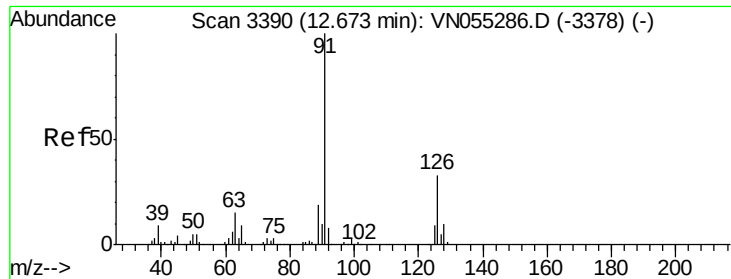
Tgt Ion:	91	Resp:	363426
Ion Ratio	Lower	Upper	
91	100		
120	21.7	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.218 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion: 91 Resp: 225971

Ion Ratio Lower Upper

91 100

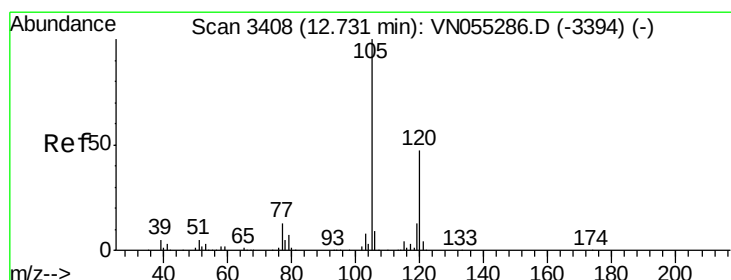
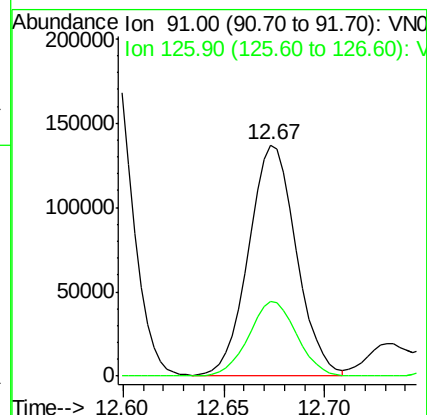
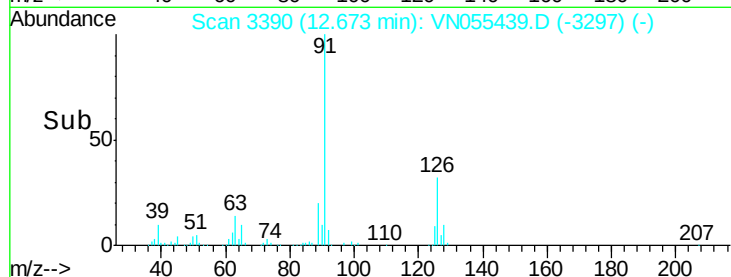
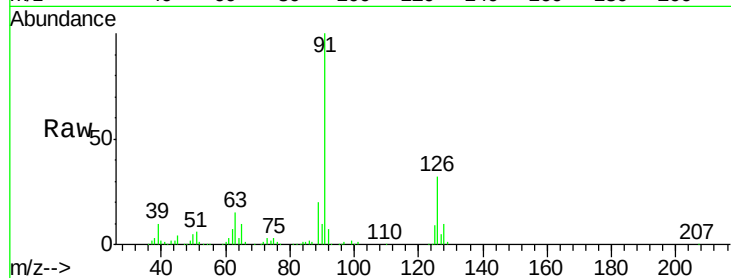
126 32.8 16.6 49.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.256 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055439.D

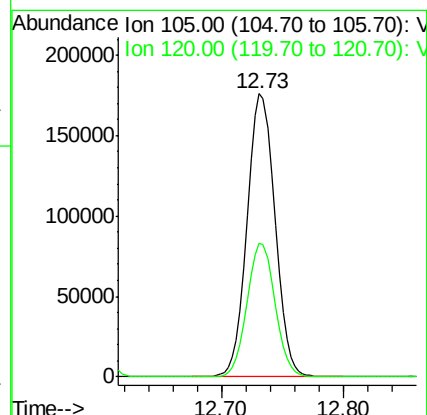
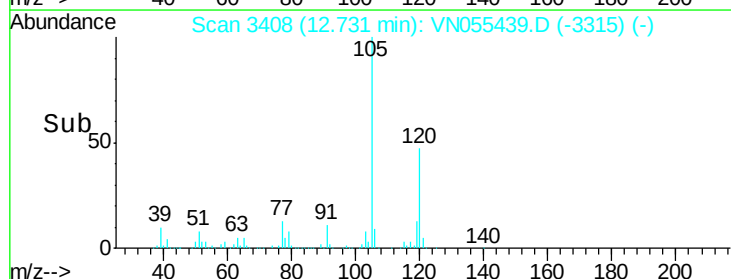
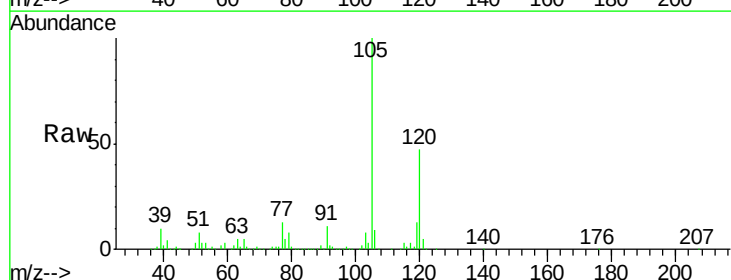
Acq: 7 May 2019 15:54

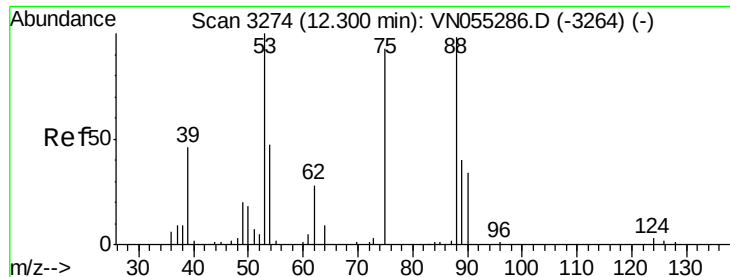
Tgt Ion: 105 Resp: 276666

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.0





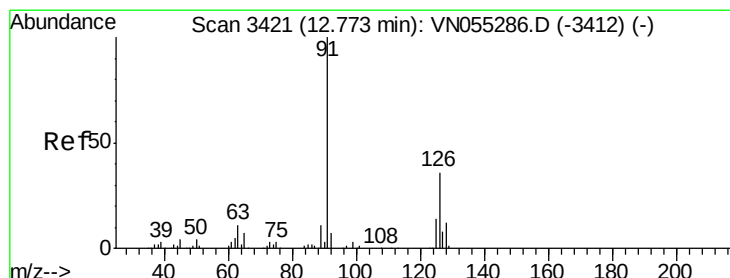
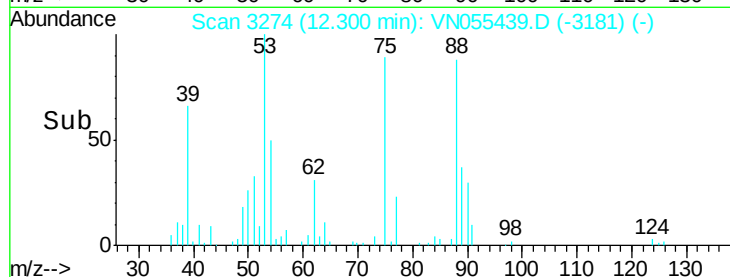
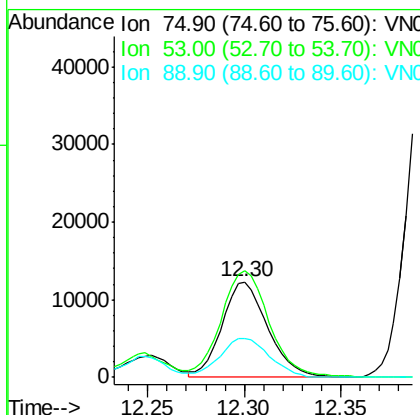
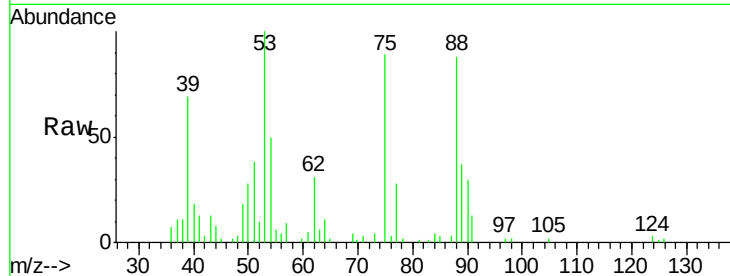
#81
trans-1,4-Dichloro-2-butene
Concen: 20.900 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.4	86.3	129.5
89	44.1	34.6	51.8

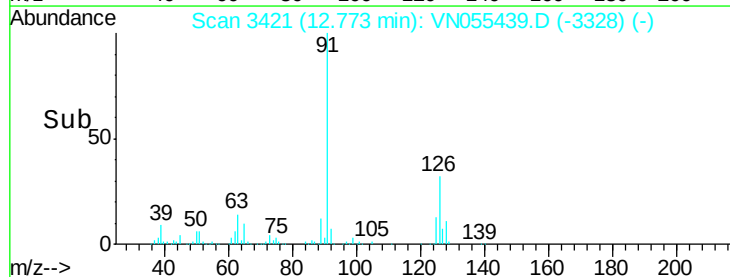
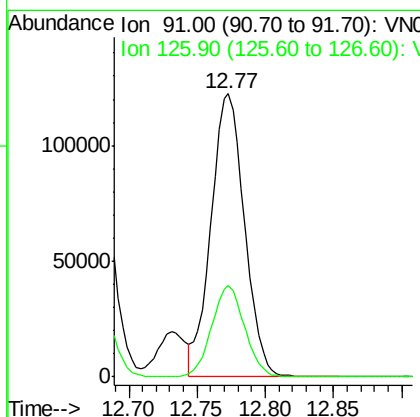
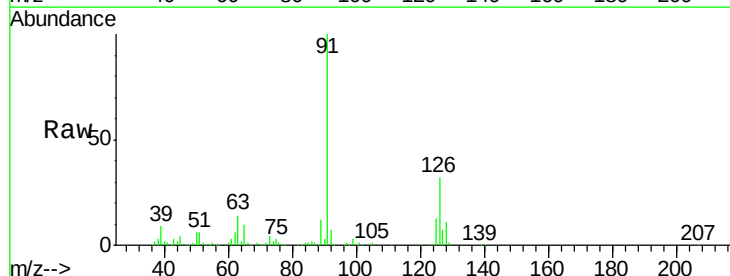
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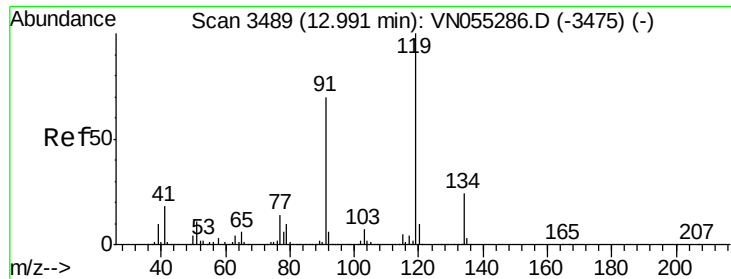
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#82
4-Chlorotoluene
Concen: 19.048 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.6	49.7





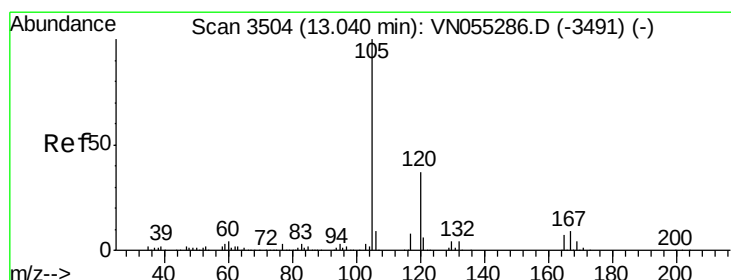
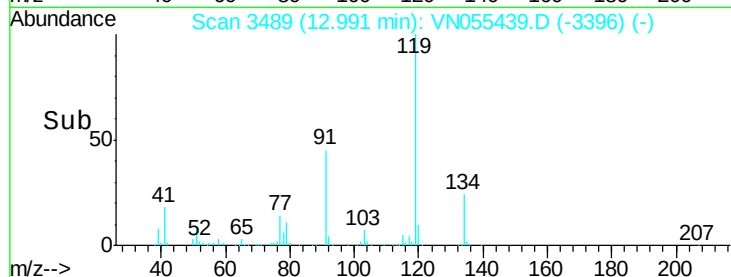
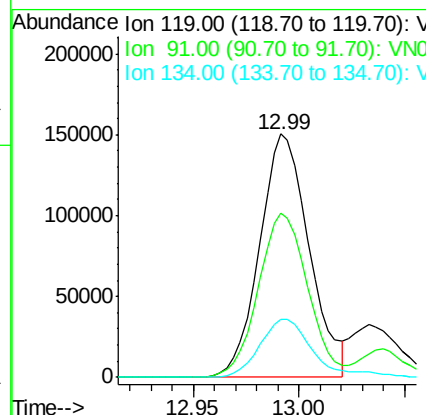
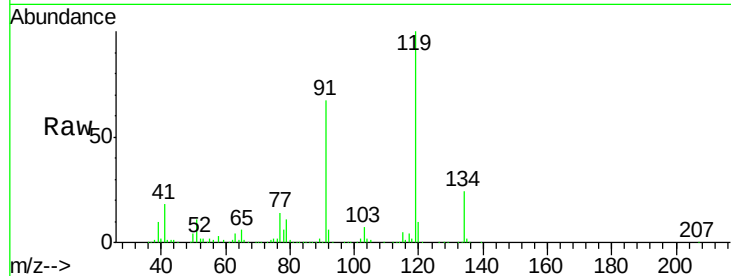
#83
 tert-Butylbenzene
 Concen: 22.628 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	34.3	102.9
134	25.8	13.1	39.3

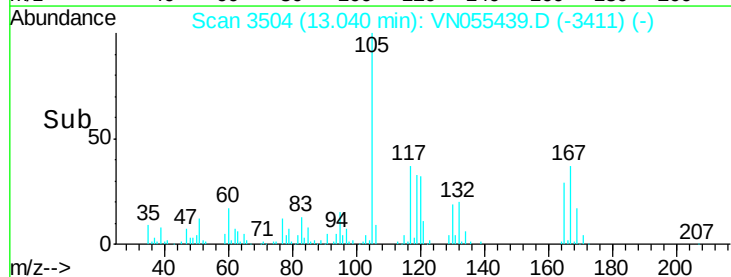
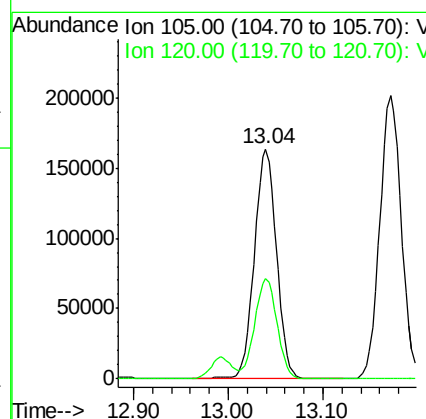
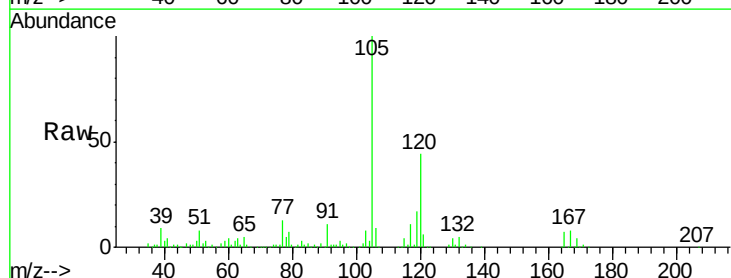
Manual Integrations
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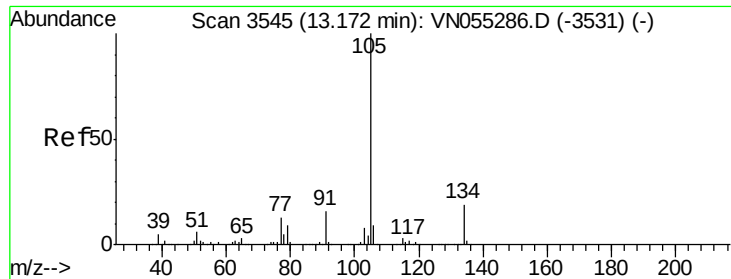
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.756 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.5





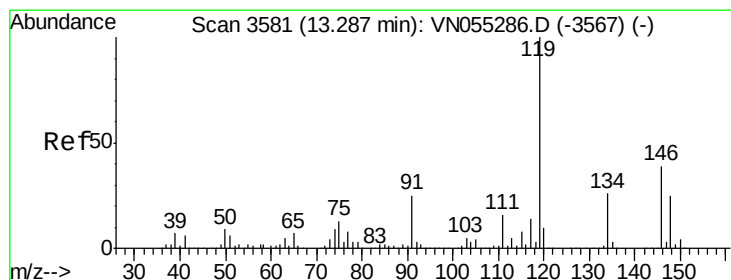
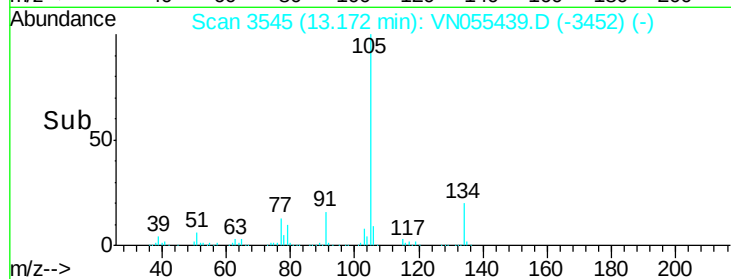
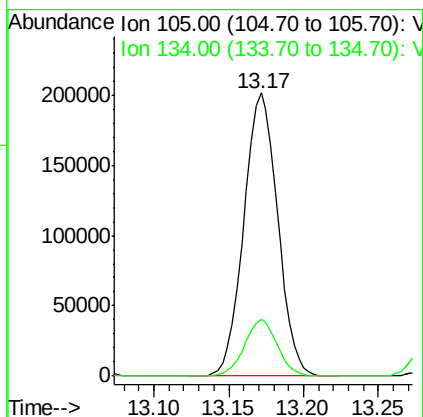
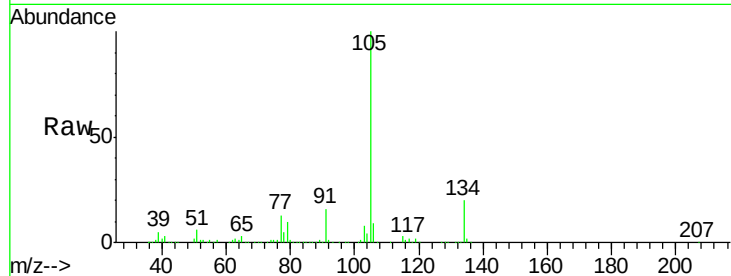
#85
 sec-Butylbenzene
 Concen: 20.335 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	317562		
134	19.4	9.6	28.8	

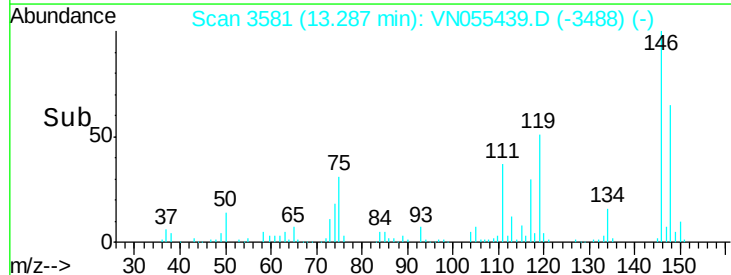
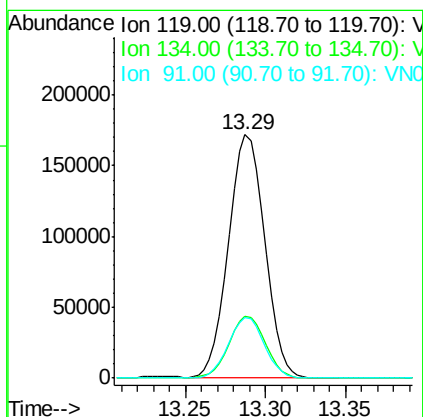
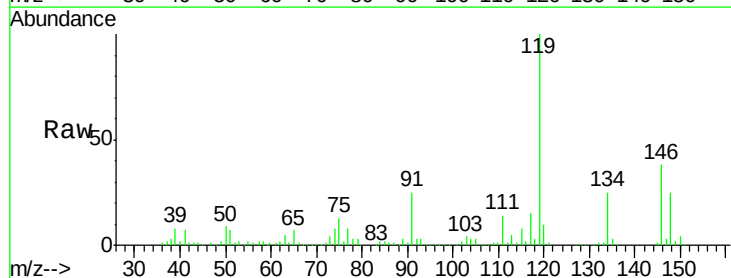
Manual Integrations
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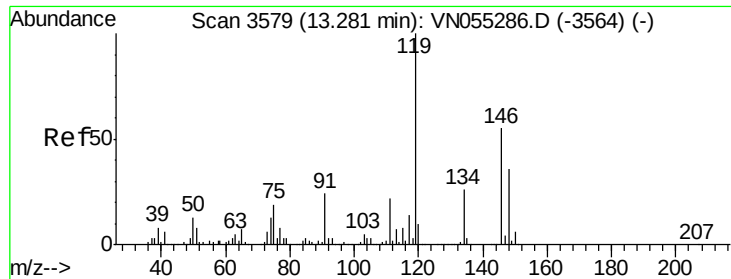
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#86
 p-Isopropyltoluene
 Concen: 20.612 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	264561		
134	25.7	13.0	38.9	
91	24.4	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 19.750 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

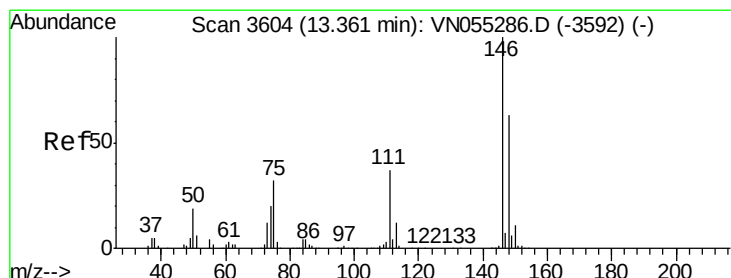
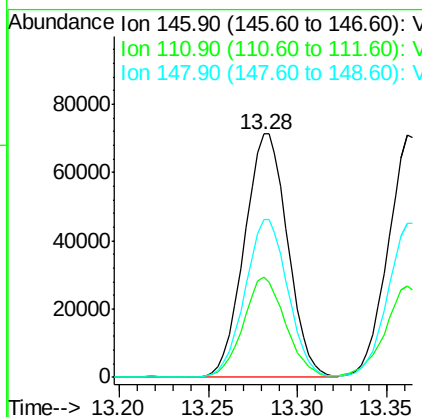
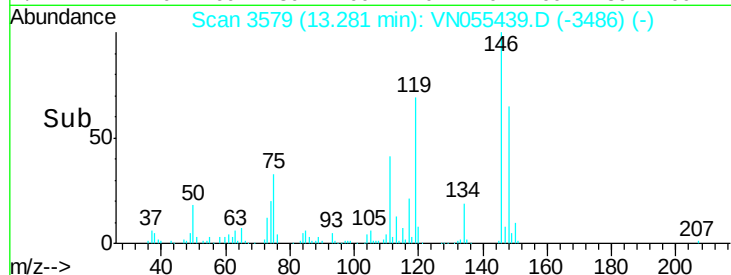
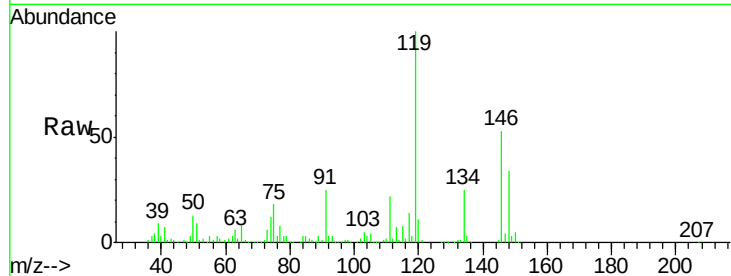
ClientSampleId :

VN0507MBSD01

Tot Ion:	146	Resp:	121123
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.3	60.8
148	64.2	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.387 ug/l

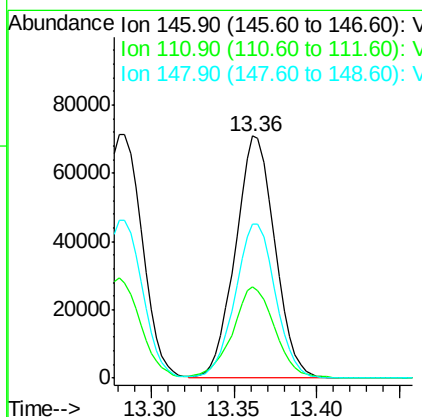
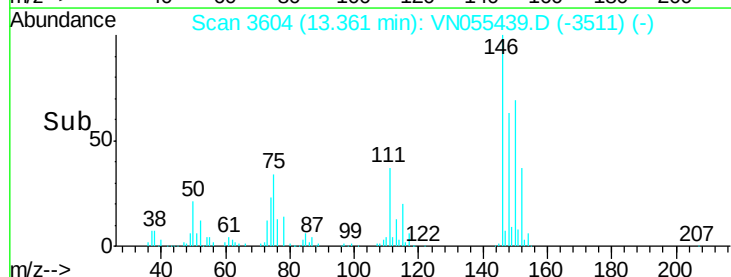
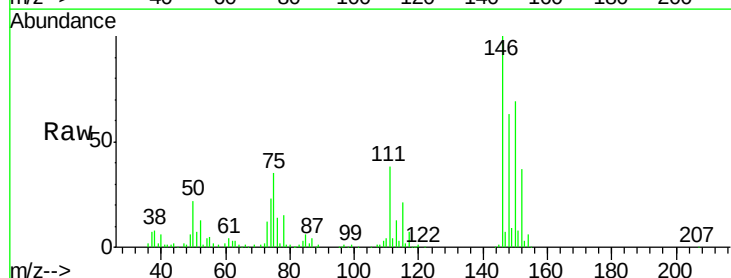
RT: 13.36 min Scan# 3604

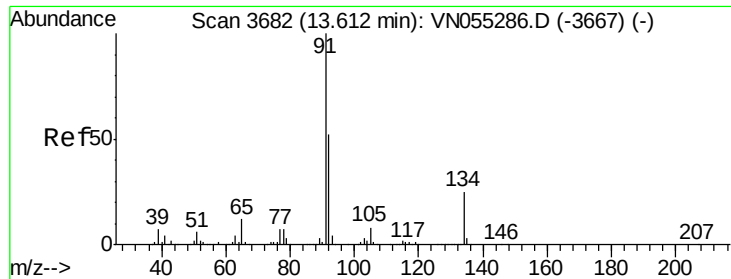
Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Tgt Ion:	146	Resp:	117741
Ion Ratio	Lower	Upper	
146	100		
111	40.5	19.5	58.5
148	64.8	32.5	97.4





#89

n-Butylbenzene

Concen: 20.652 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

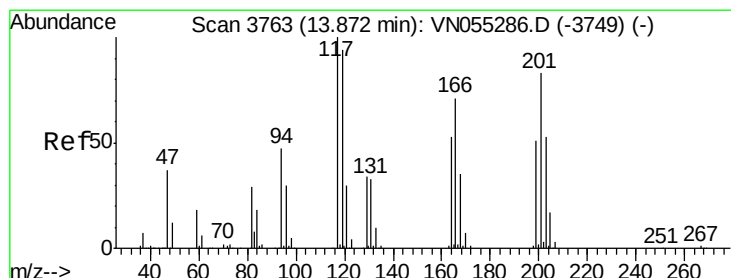
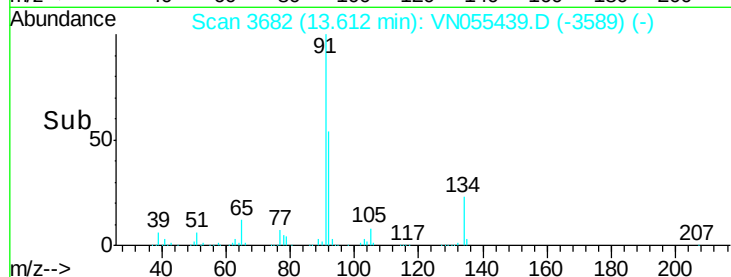
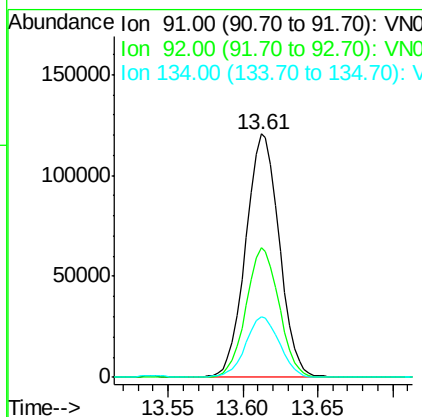
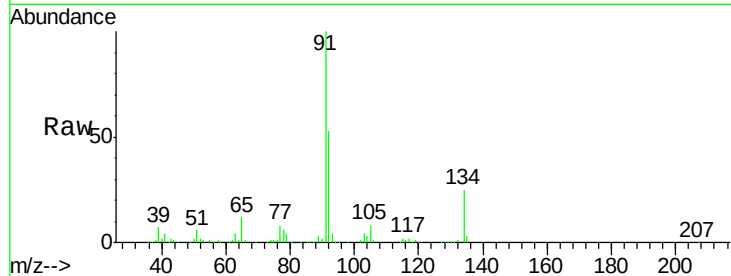
ClientSampleId :

VN0507MBSD01

Tot Ion:	91	Resp:	188363
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.3	12.4	37.4

Manual Integrations
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#90

Hexachloroethane

Concen: 21.101 ug/l

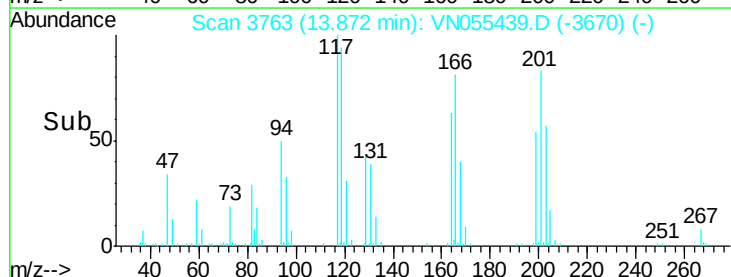
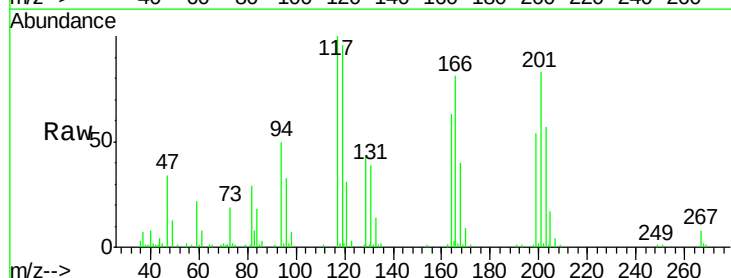
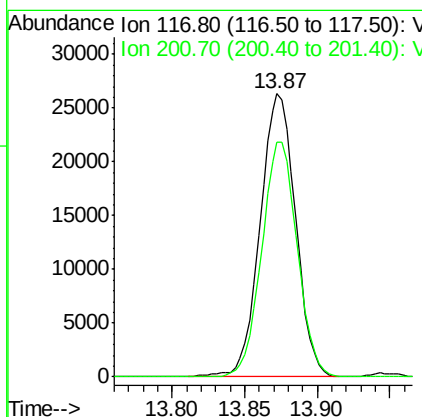
RT: 13.87 min Scan# 3763

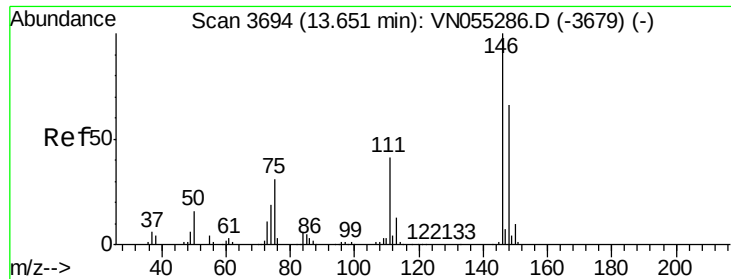
Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Tgt Ion:	117	Resp:	44735
Ion	Ratio	Lower	Upper
117	100		
201	83.0	41.9	125.8





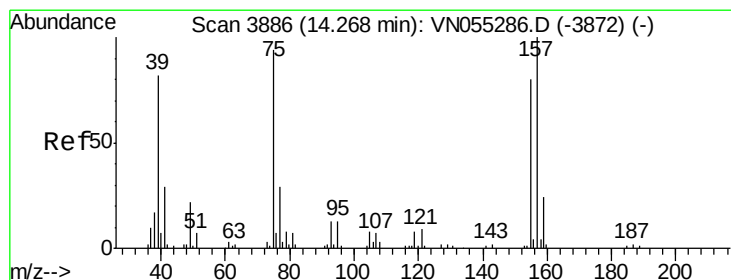
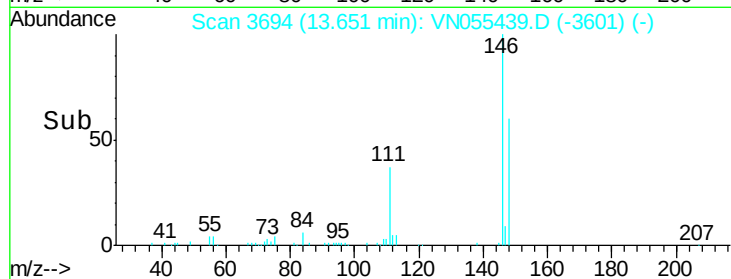
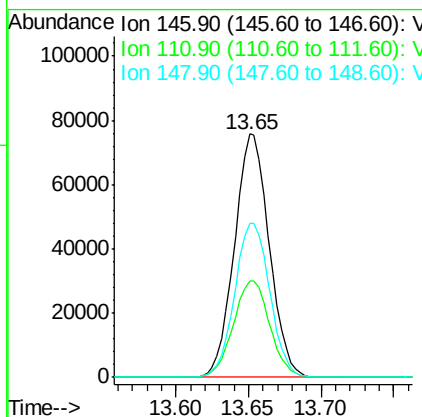
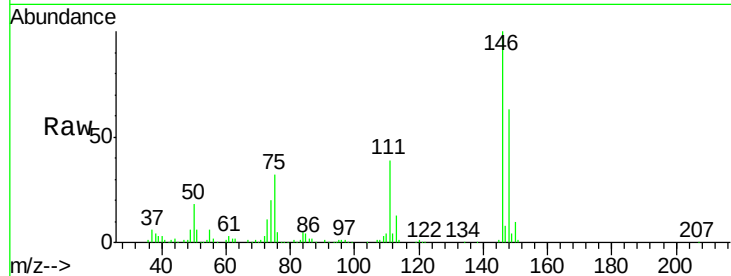
#91
 1,2-Dichlorobenzene
 Concen: 20.745 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	64.0	32.4	97.2

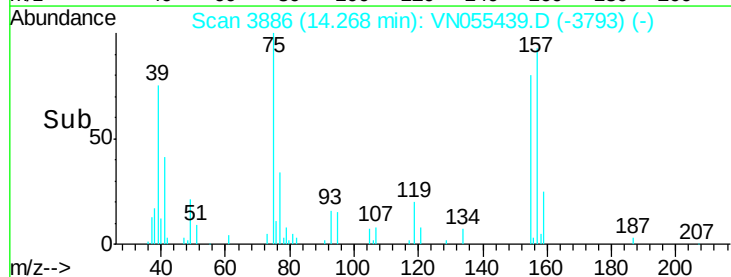
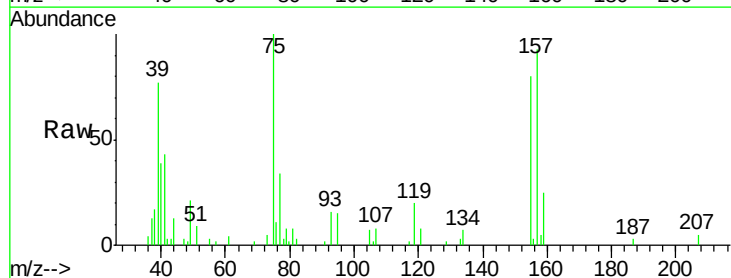
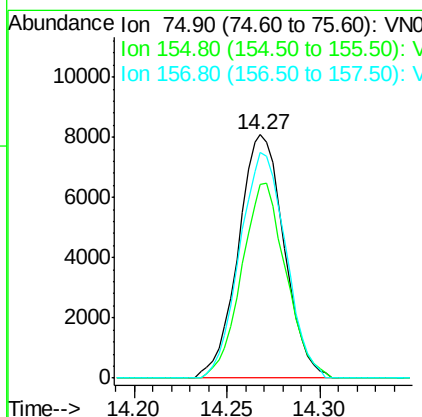
Manual Integrations
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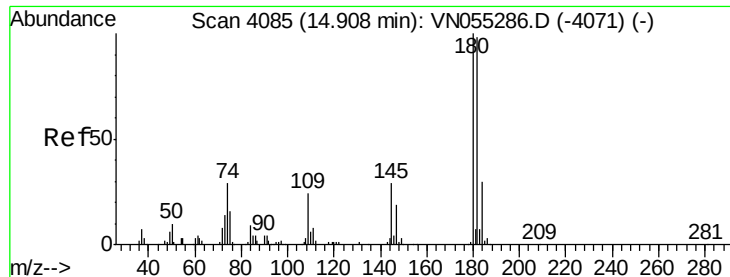
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 28.760 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	41.5	124.6
157	93.3	54.0	162.2





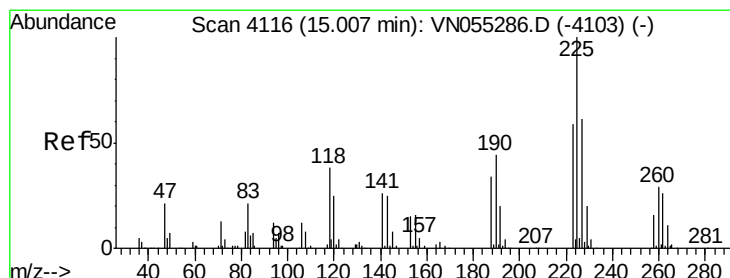
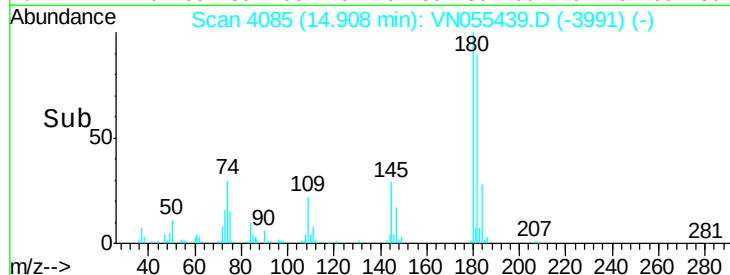
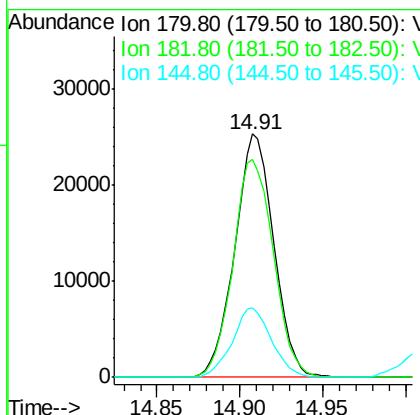
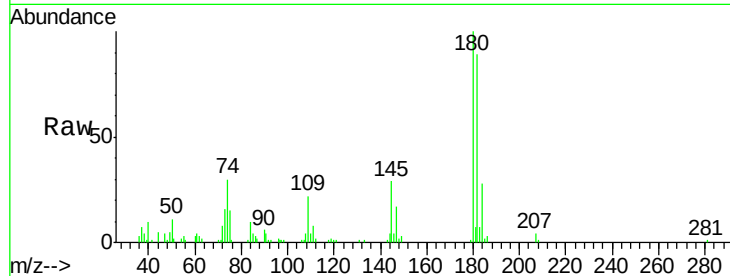
#93
 1,2,4-Trichlorobenzene
 Concen: 19.445 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.3	144.9
145	28.7	14.2	42.6

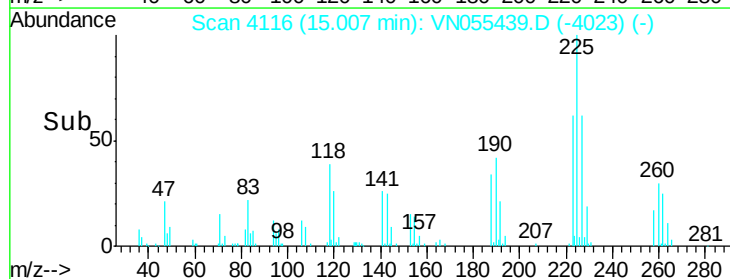
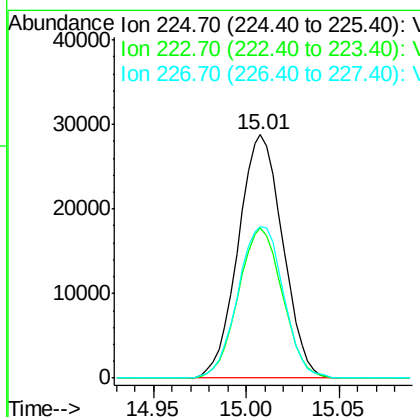
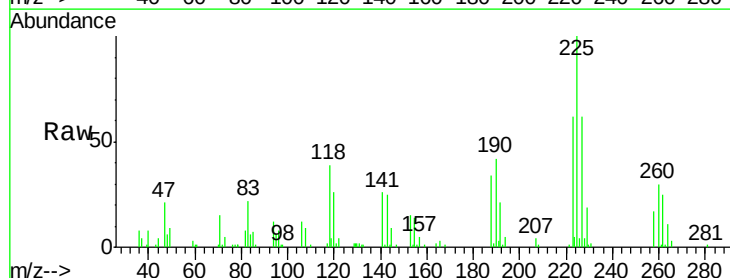
Manual Integrations
 APPROVED

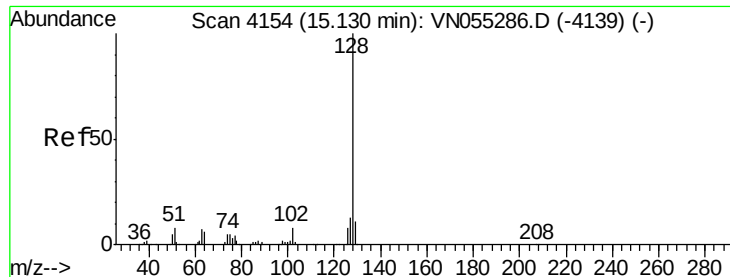
MMDadoda
 5/8/2019 10:22:11 AM



#94
 Hexachlorobutadiene
 Concen: 24.867 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	30.3	90.8
227	63.7	30.9	92.7





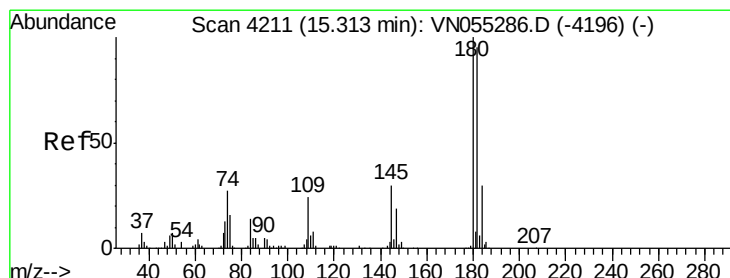
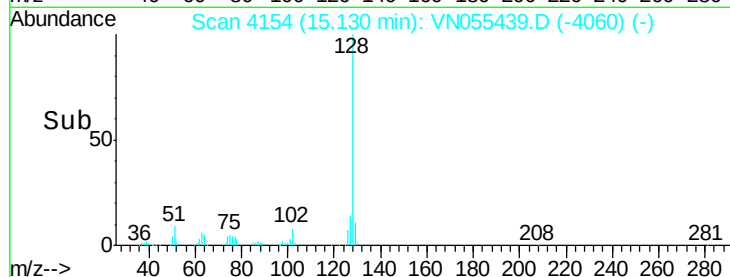
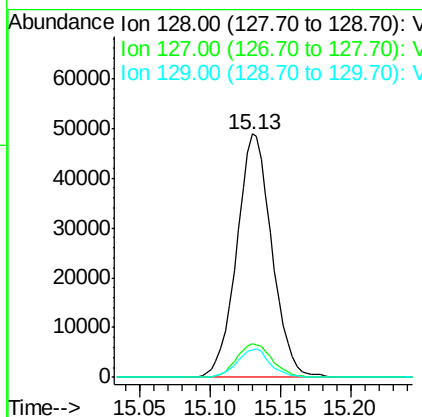
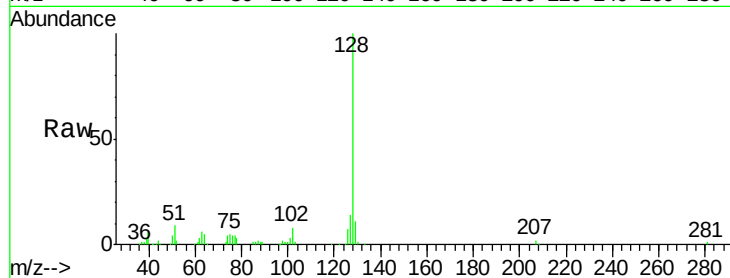
#95
Naphthalene
Concen: 18.918 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.7	16.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.703 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.3	144.9
145	30.5	15.2	45.6

