

Data File : VN055385.D
Acq On : 3 May 2019 13:17
Operator : JC/SP
Sample : VN0503MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:48:09 AM

Quant Time: May 04 00:12:19 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	402974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	657544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205034	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	265474	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.59	113	212453	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
50) Toluene-d8	10.09	98	763319	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	247649	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	93199	18.877	ug/l	96
3) Chloromethane	2.06	50	109686	17.941	ug/l	99
4) Vinyl Chloride	2.19	62	91365	18.540	ug/l	96
5) Bromomethane	2.57	94	51871	19.871	ug/l	92
6) Chloroethane	2.71	64	53816	20.158	ug/l	99
7) Trichlorofluoromethane	3.02	101	135889	19.392	ug/l	99
8) Diethyl Ether	3.41	74	50942	20.778	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	80423	19.273	ug/l	100
10) Methyl Iodide	3.96	142	110351	18.791	ug/l	98
11) Tert butyl alcohol	4.80	59	28547	94.581	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	77036	19.352	ug/l	94
13) Acrolein	3.62	56	12152	51.554	ug/l	94
14) Allyl chloride	4.33	41	164623	19.968	ug/l	98
15) Acrylonitrile	4.99	53	167322	98.626	ug/l	99
16) Acetone	3.82	43	136649	83.189	ug/l	99
17) Carbon Disulfide	4.06	76	172065	16.563	ug/l	98
18) Methyl Acetate	4.33	43	86443	21.002	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	235916	21.081	ug/l	97
20) Methylene Chloride	4.55	84	91675	18.284	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	81971	19.443	ug/l	97
22) Diisopropyl ether	5.96	45	345874	21.114	ug/l	98
23) Vinyl Acetate	5.90	43	1101602	102.608	ug/l	100
24) 1,1-Dichloroethane	5.85	63	178497	20.451	ug/l	98
25) 2-Butanone	6.84	43	202754	96.517	ug/l	99
26) 2,2-Dichloropropane	6.83	77	116630	19.351	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	99849	20.827	ug/l	99
28) Bromochloromethane	7.20	49	88643	20.149	ug/l	98
29) Tetrahydrofuran	7.22	42	138090	102.658	ug/l	98
30) Chloroform	7.37	83	164718	19.909	ug/l	98
31) Cyclohexane	7.66	56	160724	19.382	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	132211	19.689	ug/l	99
36) 1,1-Dichloropropene	7.79	75	116677	18.525	ug/l	100
37) Ethyl Acetate	6.94	43	92884	19.242	ug/l	99
38) Carbon Tetrachloride	7.78	117	110513	18.190	ug/l	96

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124462	18.586	ug/l	99
40) Benzene	8.04	78	360669	19.425	ug/l	98
41) Methacrylonitrile	7.18	41	55847	21.801	ug/l	92
42) 1,2-Dichloroethane	8.13	62	126797	19.282	ug/l	100
43) Isopropyl Acetate	8.17	43	153560	19.795	ug/l #	90
44) Trichloroethene	8.84	130	92633	19.571	ug/l	98
45) 1,2-Dichloropropane	9.12	63	105814	19.760	ug/l	98
46) Dibromomethane	9.21	93	56793	19.403	ug/l	98
47) Bromodichloromethane	9.40	83	121081	19.282	ug/l	96
48) Methyl methacrylate	9.20	41	74908	19.643	ug/l	97
49) 1,4-Dioxane	9.20	88	14850	376.693	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	419691	96.093	ug/l	100
52) Toluene	10.16	92	206067	19.343	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	104190	19.113	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	133947	19.708	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	80113	20.251	ug/l	96
56) Ethyl methacrylate	10.43	69	96785	19.877	ug/l	98
57) 1,3-Dichloropropane	10.71	76	137241	19.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	98401	74.291	ug/l	99
59) 2-Hexanone	10.75	43	251615	92.075	ug/l	100
60) Dibromochloromethane	10.90	129	79034	19.548	ug/l	98
61) 1,2-Dibromoethane	11.00	107	71281	19.495	ug/l	99
64) Tetrachloroethene	10.63	164	92143	20.566	ug/l	98
65) Chlorobenzene	11.43	112	212260	19.816	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	81401	19.408	ug/l	99
67) Ethyl Benzene	11.51	91	392546	20.294	ug/l	100
68) m/p-Xylenes	11.62	106	282491	40.916	ug/l	99
69) o-Xylene	11.95	106	140355	20.510	ug/l	100
70) Styrene	11.96	104	221515	21.082	ug/l	99
71) Bromoform	12.13	173	44483	19.113	ug/l #	99
73) Isopropylbenzene	12.25	105	382136	21.629	ug/l	100
74) N-amyl acetate	12.07	43	111093	21.112	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	90024	20.269	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	73407m	17.632	ug/l	
77) Bromobenzene	12.53	156	85110	20.457	ug/l	97
78) n-propylbenzene	12.59	91	415333	19.720	ug/l	99
79) 2-Chlorotoluene	12.67	91	254762	21.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	308178	19.172	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19101	17.654	ug/l #	83
82) 4-Chlorotoluene	12.77	91	233723	19.086	ug/l	99
83) tert-Butylbenzene	12.99	119	267230	21.849	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	302635	21.052	ug/l	99
85) sec-Butylbenzene	13.17	105	347613	19.897	ug/l	100
86) p-Isopropyltoluene	13.29	119	287016	19.988	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	132384	19.295	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	124584	19.282	ug/l	98
89) n-Butylbenzene	13.61	91	209408	20.523	ug/l	99
90) Hexachloroethane	13.87	117	46544	19.510	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	135142	19.874	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11031	20.450	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Quantitation Report (QT Reviewed)

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	40916	17.563	ug/l	95
94) Hexachlorobutadiene	15.01	225	50729	23.297	ug/l	98
95) Naphthalene	15.13	128	83857	17.063	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46143	19.177	ug/l	99

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

Data File : VN055385.D

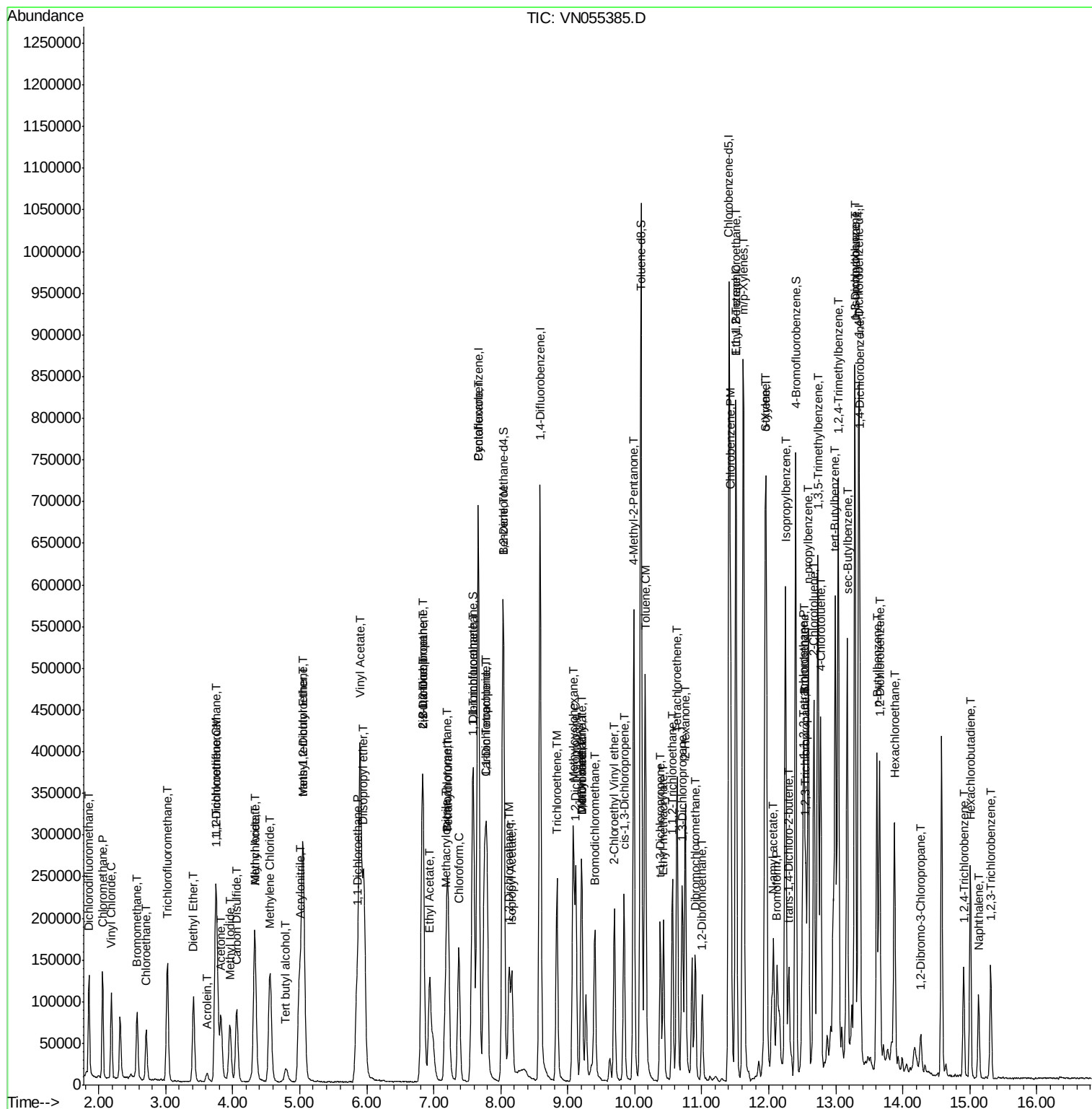
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Acq On       : 3 May 2019 13:17
Operator    : JC/SP
Sample      : VN0503MBSD01
Misc       : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial    : 11 Sample Multiplier: 1
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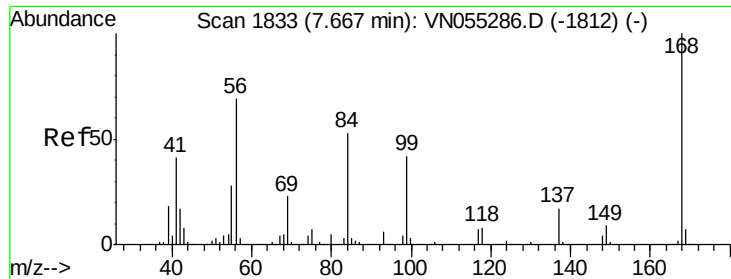
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

Manual Integrations

MMDadoda
5/6/2019 10:48:09 AM

Quant Time: May 04 00:12:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0503MBSD01

Tgt Ion: 168 Resp: 402974

Ion Ratio Lower Upper

168 100

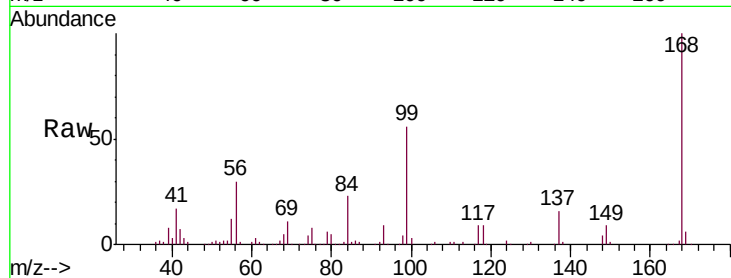
99 54.9 43.6 65.4

Manual Integrations

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5/6/2019 10:48:09 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

100000

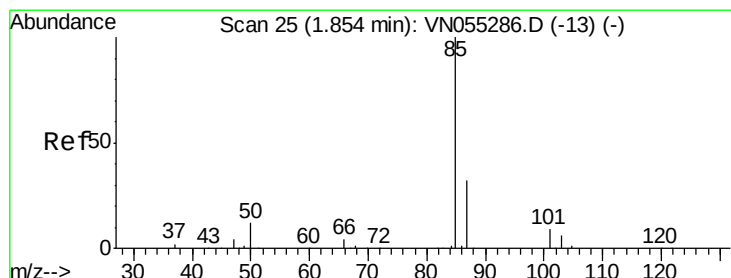
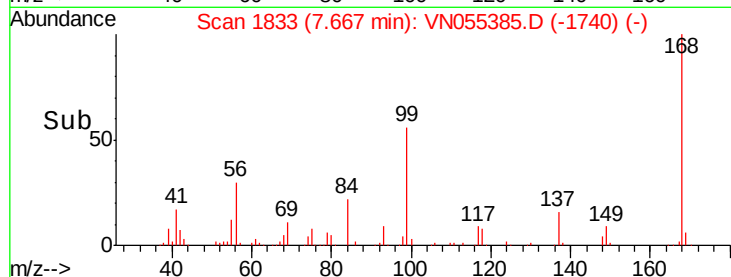
50000

0

Time-->

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 18.877 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055385.D

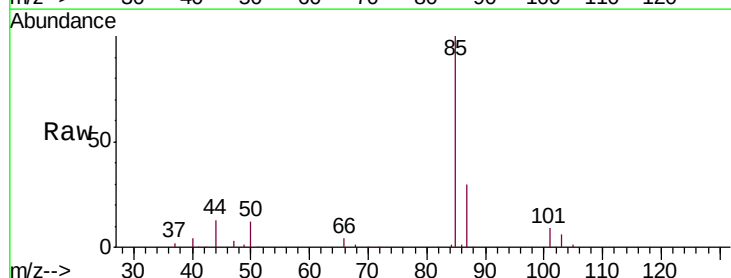
Acq: 3 May 2019 13:17

Tgt Ion: 85 Resp: 93199

Ion Ratio Lower Upper

85 100

87 30.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

80000

60000

40000

20000

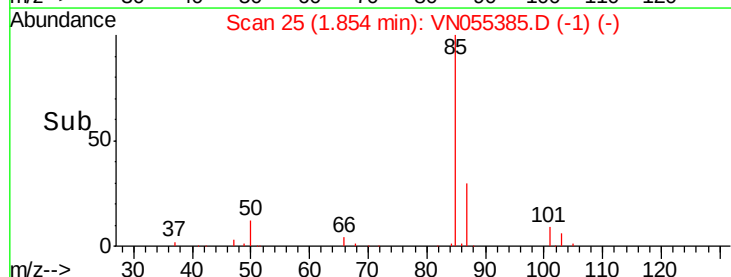
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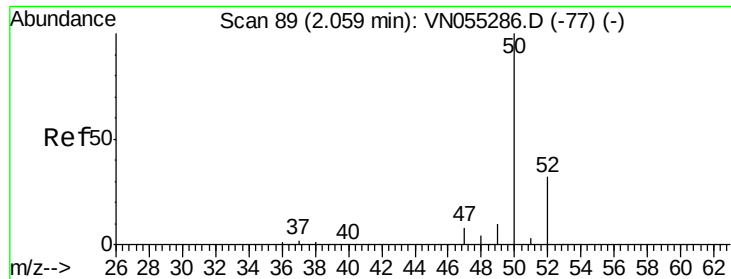
Time-->

1.80

1.85

1.90





#3

Chloromethane

Concen: 17.941 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBSD01

Tgt Ion: 50 Resp: 109686

Ion Ratio Lower Upper

50 100

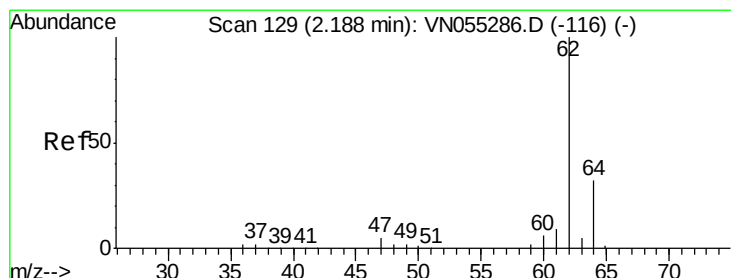
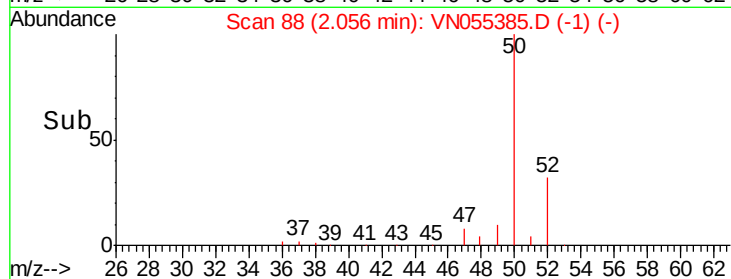
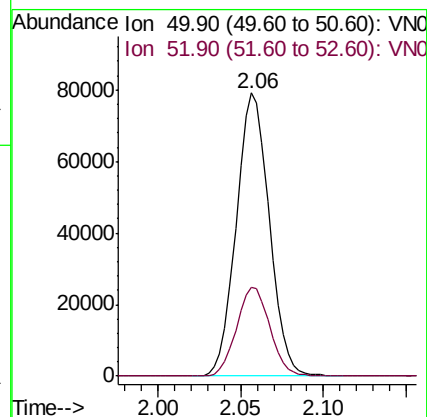
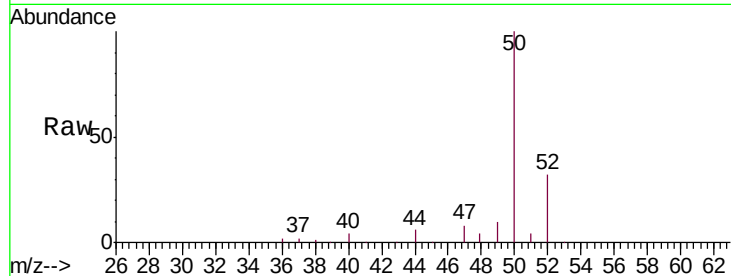
52 31.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.540 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055385.D

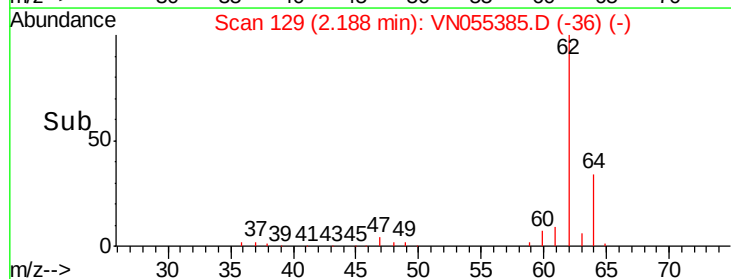
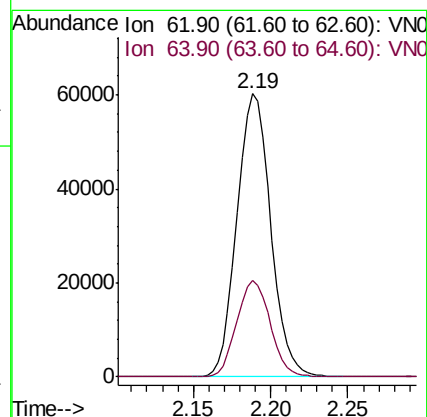
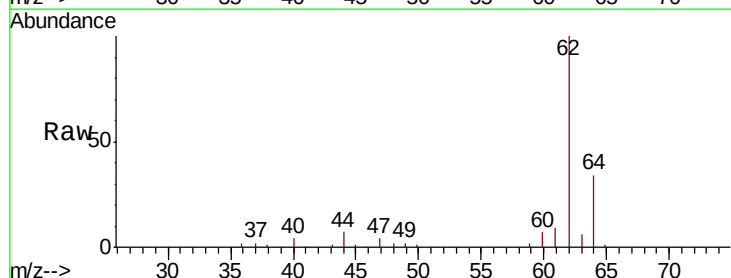
Acq: 3 May 2019 13:17

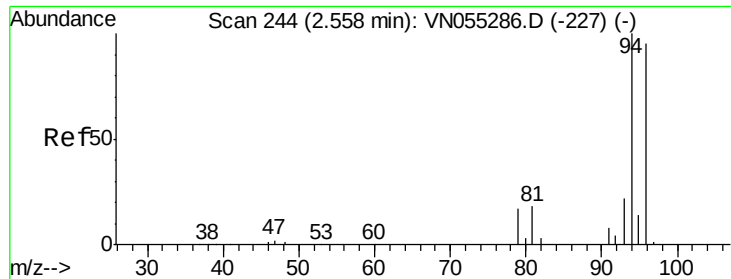
Tgt Ion: 62 Resp: 91365

Ion Ratio Lower Upper

62 100

64 34.3 25.5 38.3





#5

Bromomethane

Concen: 19.871 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

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ClientSampleId :

VN0503MBSD01

Tgt Ion: 94 Resp: 51871

Ion Ratio Lower Upper

94 100

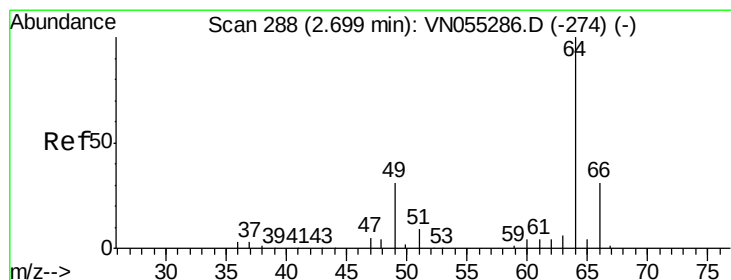
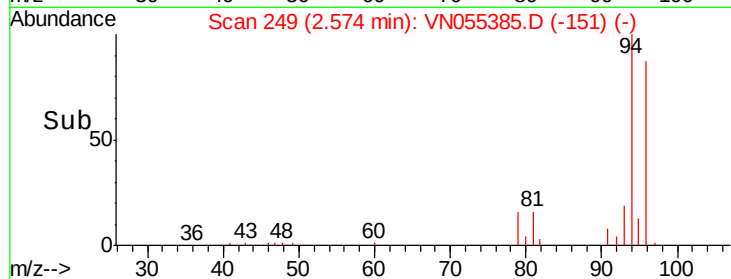
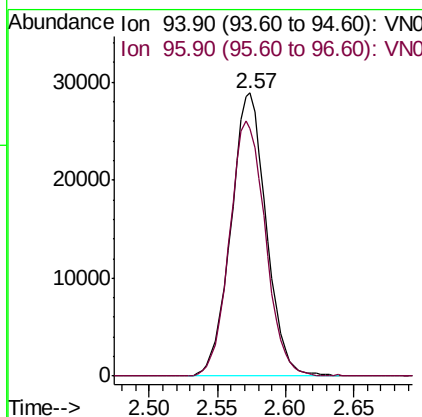
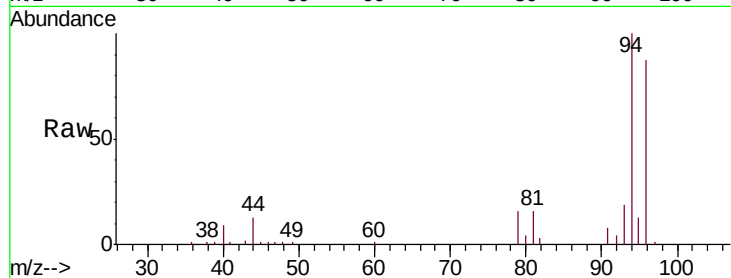
96 87.4 76.0 114.0

Manual Integrations

APPROVED

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5/6/2019 10:48:09 AM



#6

Chloroethane

Concen: 20.158 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055385.D

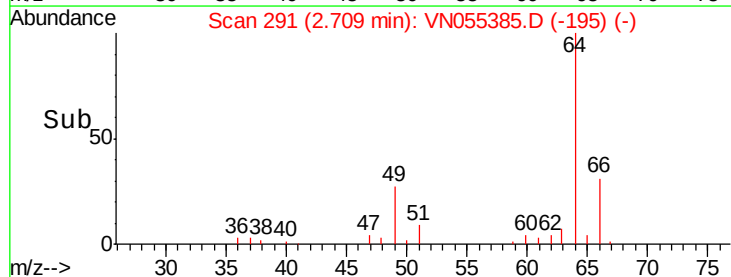
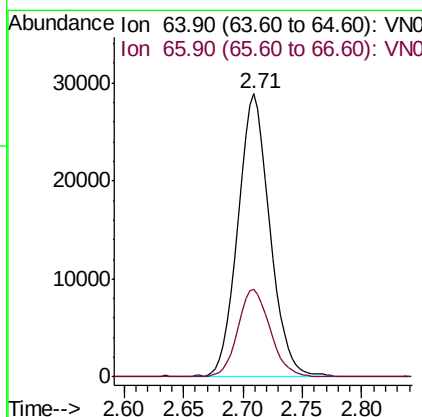
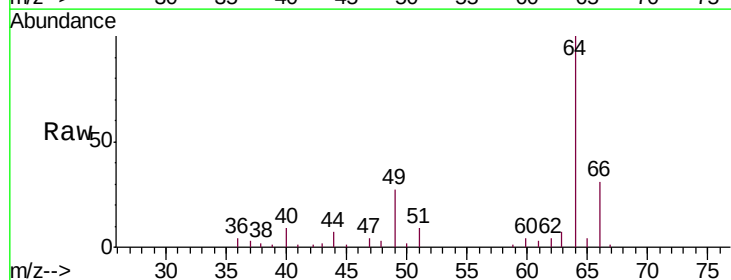
Acq: 3 May 2019 13:17

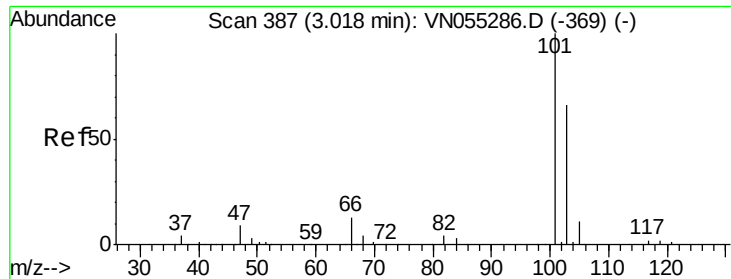
Tgt Ion: 64 Resp: 53816

Ion Ratio Lower Upper

64 100

66 30.9 25.0 37.4





#7

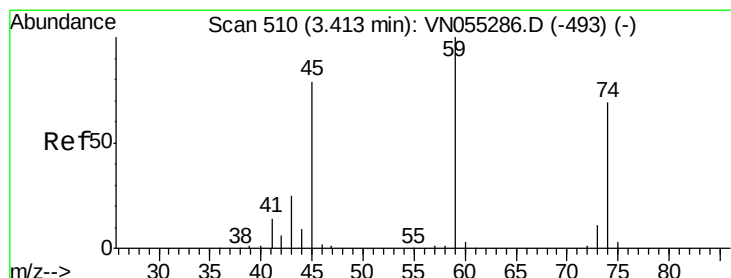
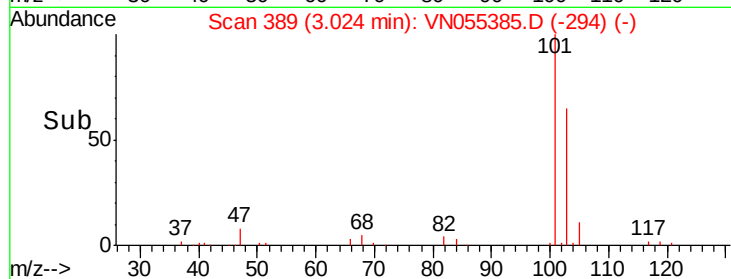
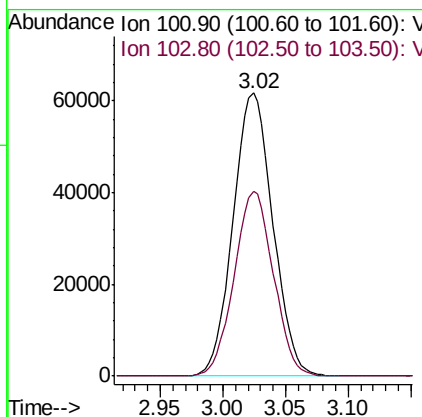
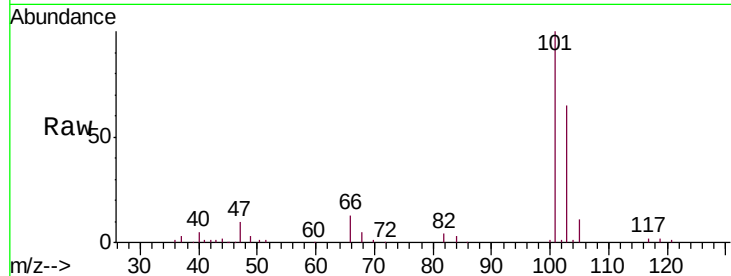
Trichlorofluoromethane
 Concen: 19.392 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBSD01

Tgt Ion:101 Resp: 135889
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.6 79.0

Manual Integrations
 APPROVED

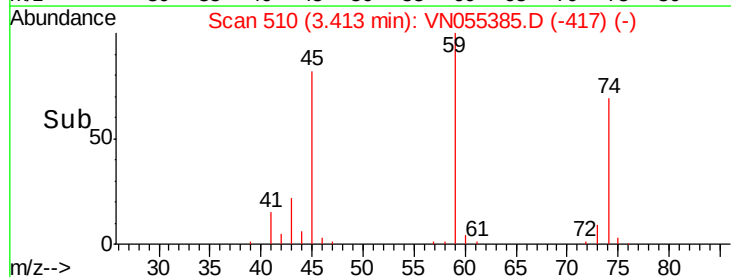
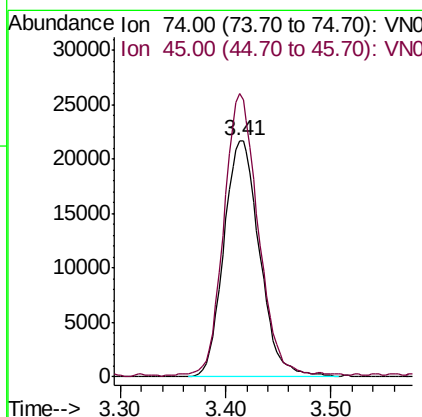
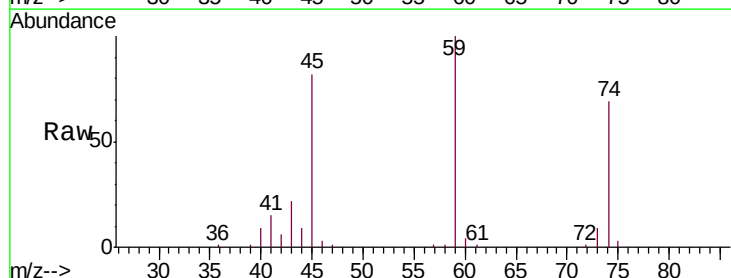
MMDadoda
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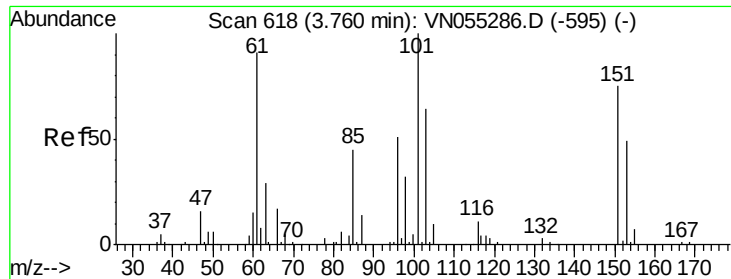


#8

Diethyl Ether
 Concen: 20.778 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion: 74 Resp: 50942
 Ion Ratio Lower Upper
 74 100
 45 116.0 58.9 176.6





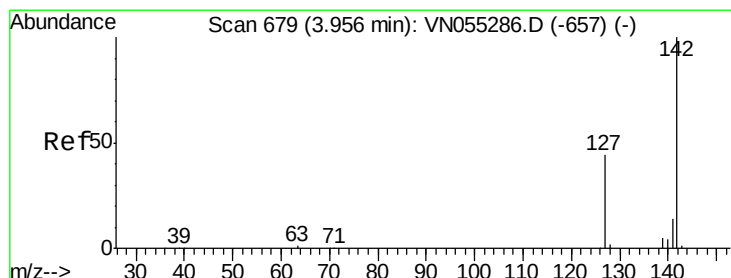
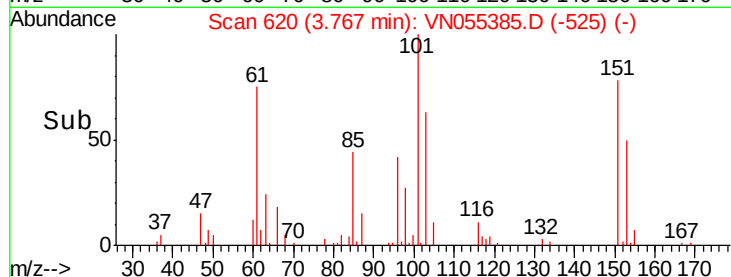
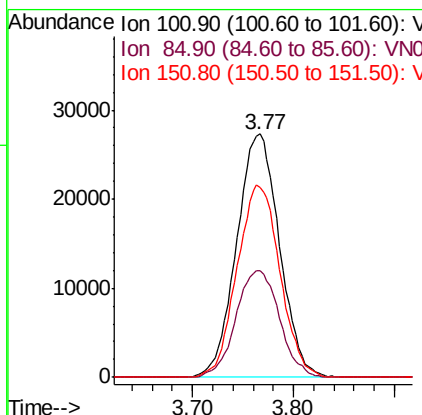
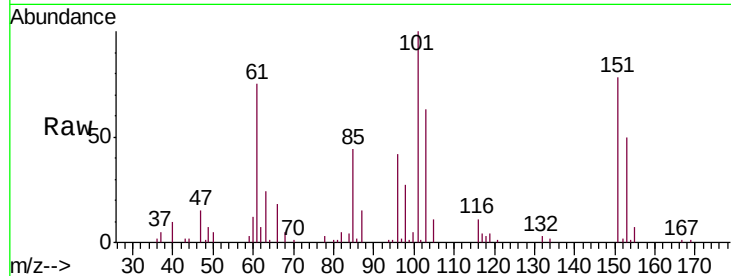
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.273 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	80423		
85	44.4	35.7	53.5	
151	79.2	63.3	94.9	

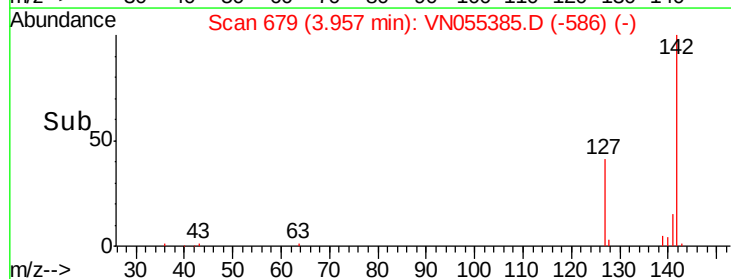
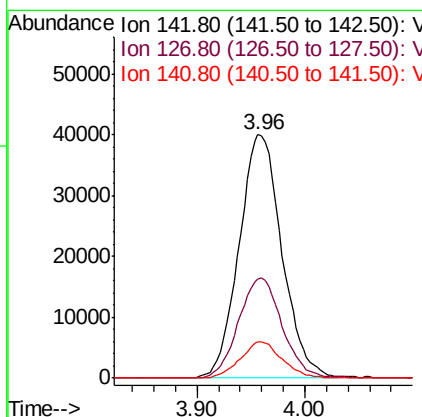
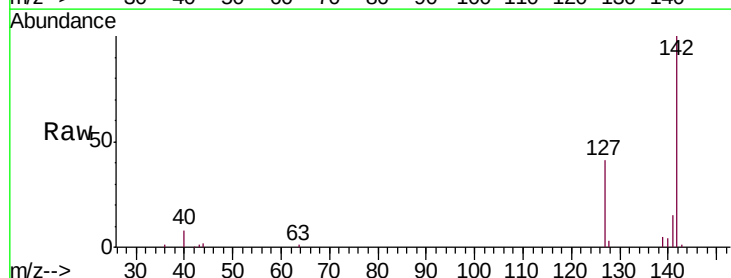
Manual Integrations
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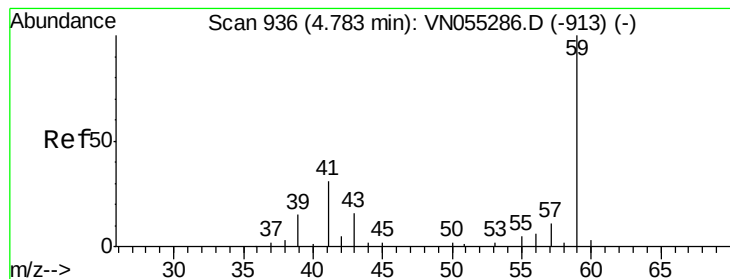
MMDadoda
 5/6/2019 10:48:09 AM



#10
 Methyl Iodide
 Concen: 18.791 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	110351		
127	41.7	34.4	51.6	
141	14.5	11.5	17.3	





#11

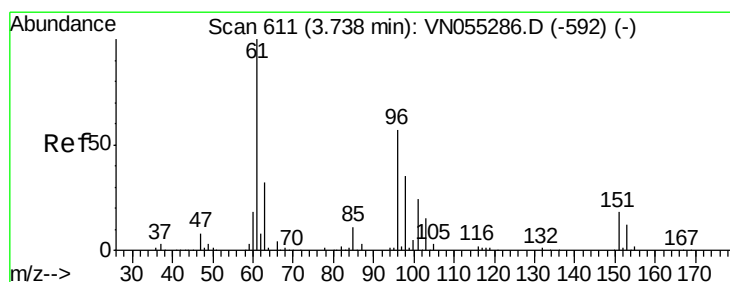
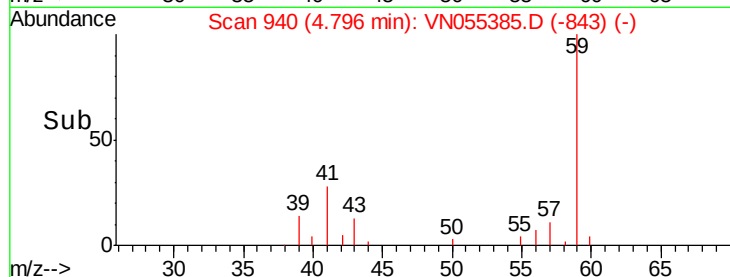
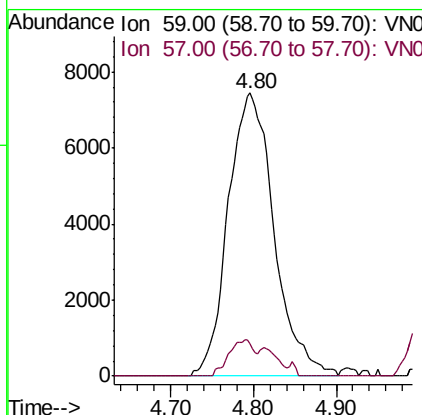
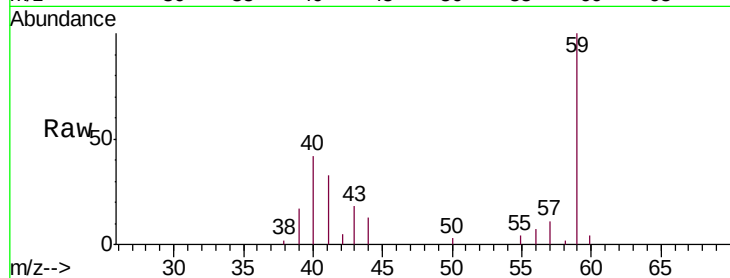
Tert butyl alcohol
 Concen: 94.581 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBSD01

Tgt Ion: 59 Resp: 28547
 Ion Ratio Lower Upper
 59 100
 57 7.2 8.2 12.2#

Manual Integrations
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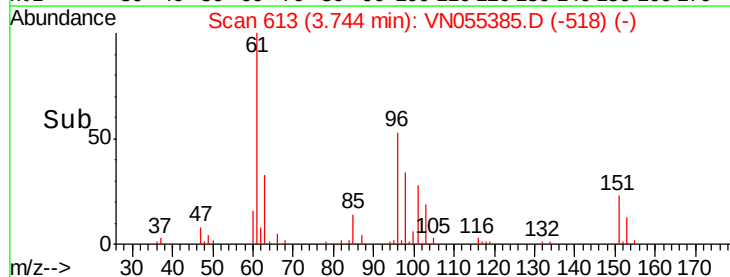
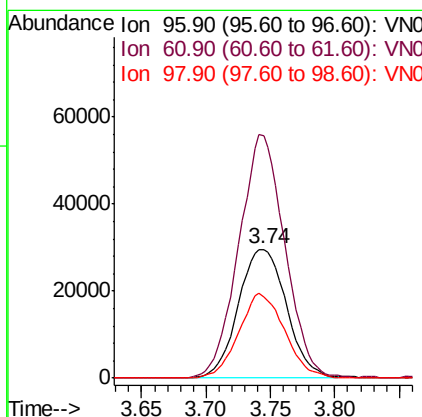
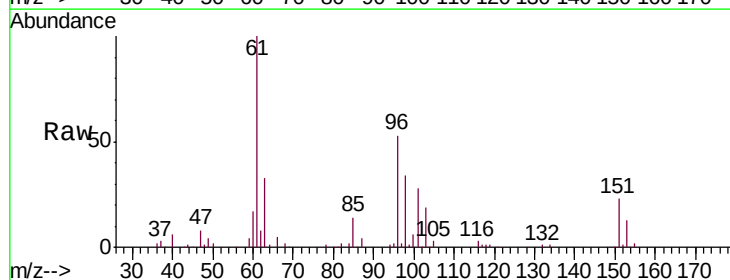
MMDadoda
 5/6/2019 10:48:09 AM

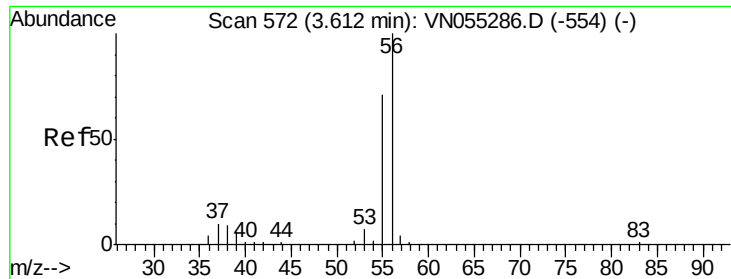


#12

1,1-Dichloroethene
 Concen: 19.352 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion: 96 Resp: 77036
 Ion Ratio Lower Upper
 96 100
 61 187.7 140.9 211.3
 98 63.5 50.0 75.0





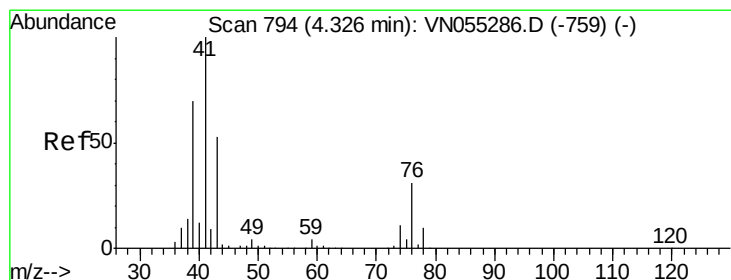
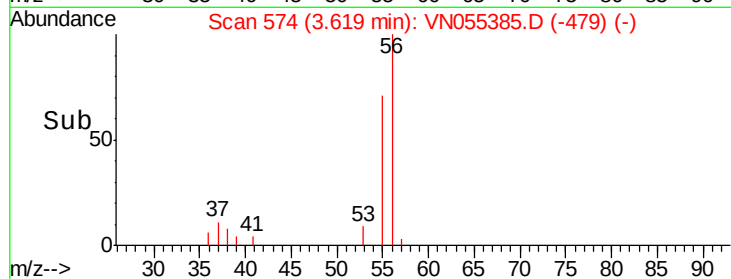
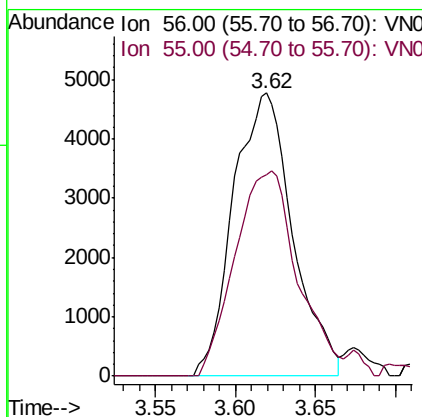
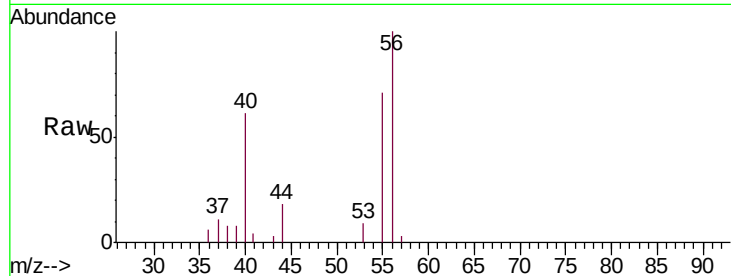
#13
 Acrolein
 Concen: 51.554 ug/l
 RT: 3.62 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBSD01

Tgt Ion: 56 Resp: 12152
 Ion Ratio Lower Upper
 56 100
 55 76.9 57.4 86.2

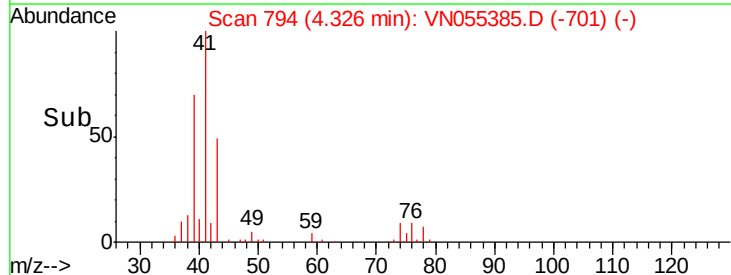
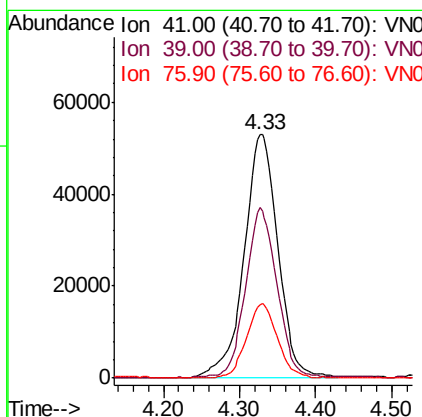
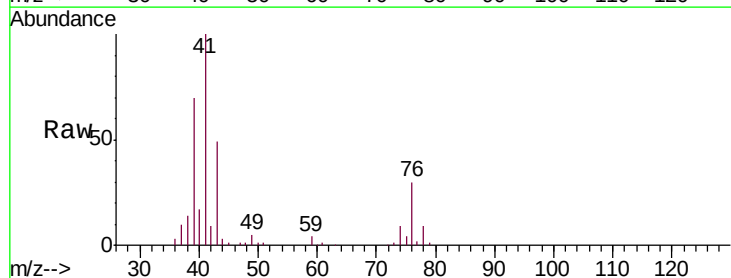
Manual Integrations
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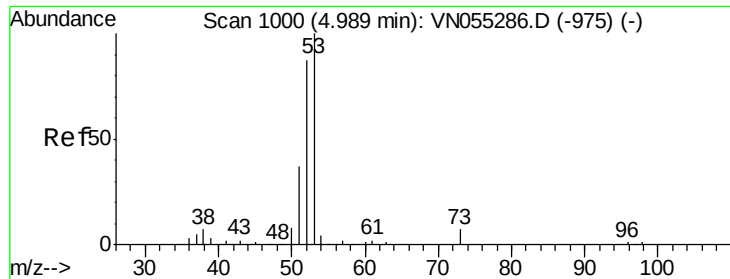
MMDadoda
 5/6/2019 10:48:09 AM



#14
 Allyl chloride
 Concen: 19.968 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion: 41 Resp: 164623
 Ion Ratio Lower Upper
 41 100
 39 64.1 53.0 79.6
 76 27.9 22.7 34.1





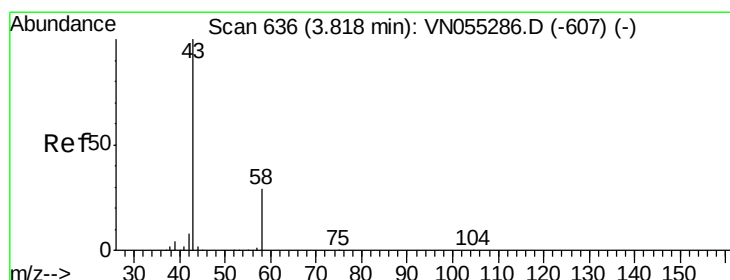
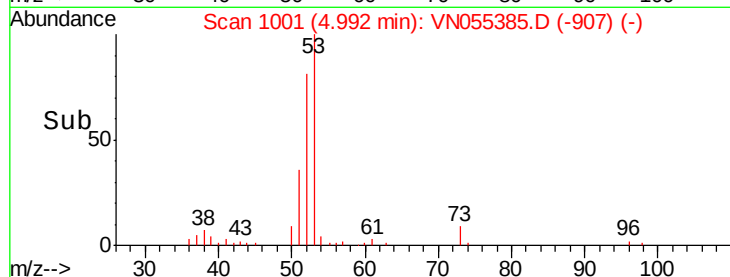
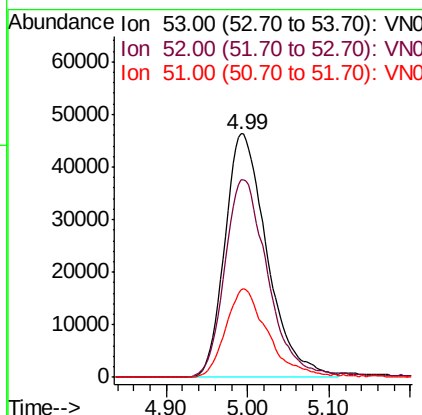
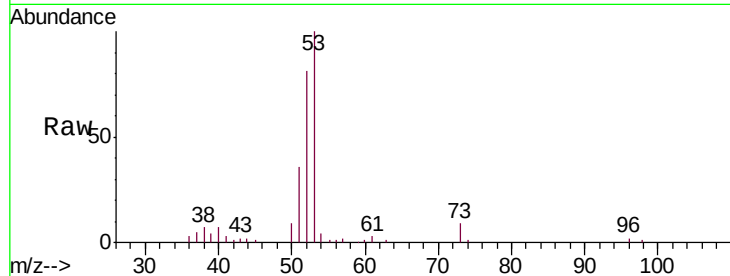
#15
 Acrylonitrile
 Concen: 98.626 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBSD01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.5	99.7
51	36.2	29.6	44.4

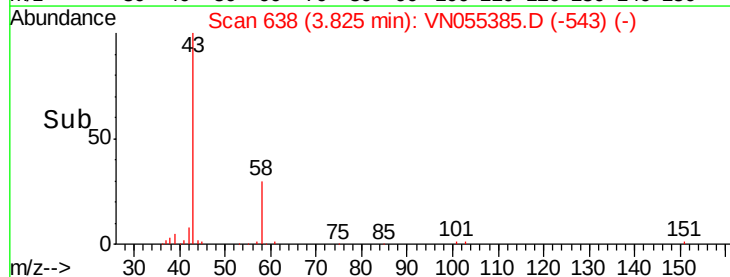
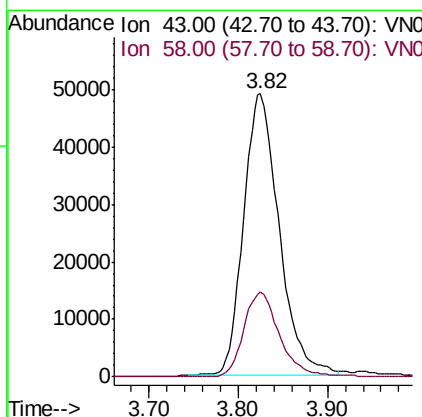
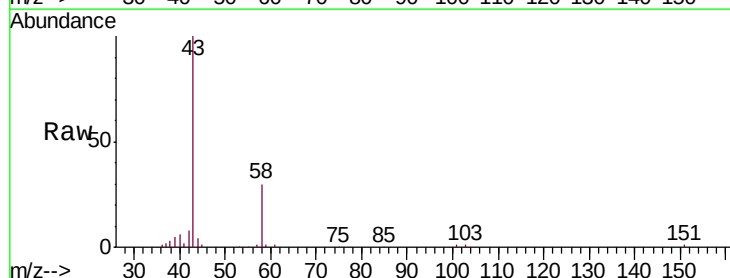
Manual Integrations
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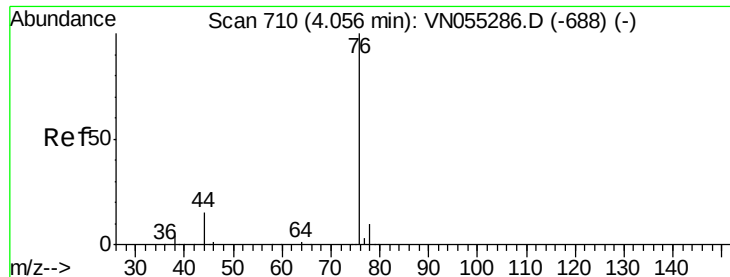
MMDadoda
 5/6/2019 10:48:09 AM



#16
 Acetone
 Concen: 83.189 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.6	35.4





#17

Carbon Disulfide

Concen: 16.563 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBSD01

Tgt Ion: 76 Resp: 172065

Ion Ratio Lower Upper

76 100

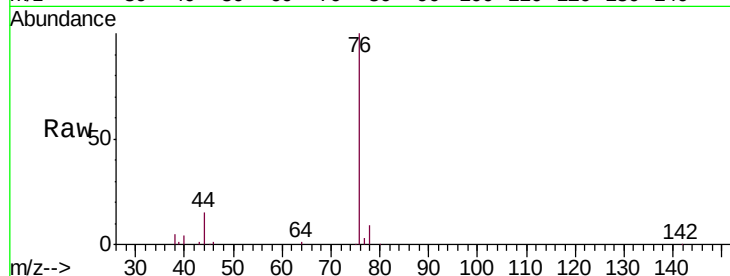
78 8.7 7.6 11.4

Manual Integrations

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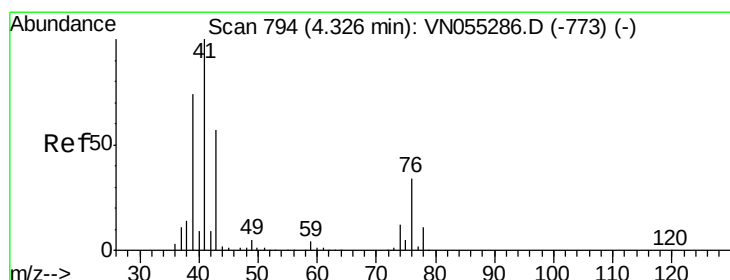
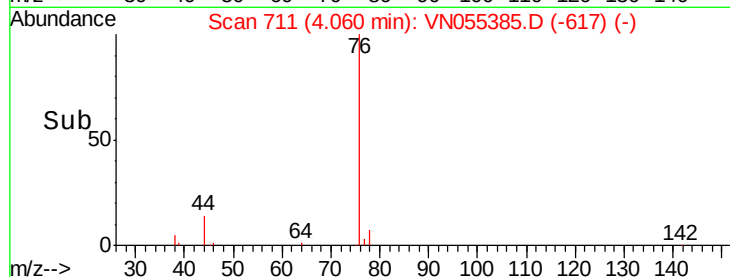
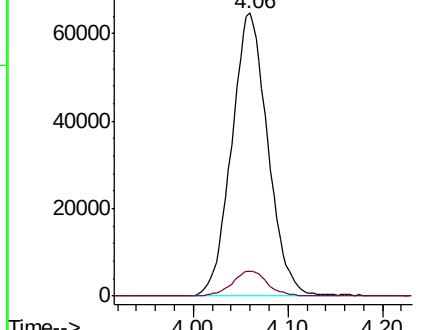
MMDadoda

5/6/2019 10:48:09 AM



Abundance Ion 75.90 (75.60 to 76.60): VN055286.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN055286.D (-688) (-)



#18

Methyl Acetate

Concen: 21.002 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055385.D

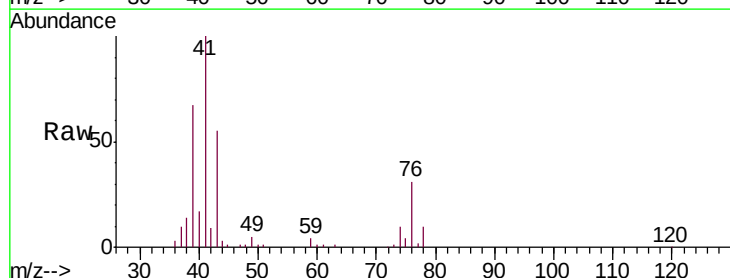
Acq: 3 May 2019 13:17

Tgt Ion: 43 Resp: 86443

Ion Ratio Lower Upper

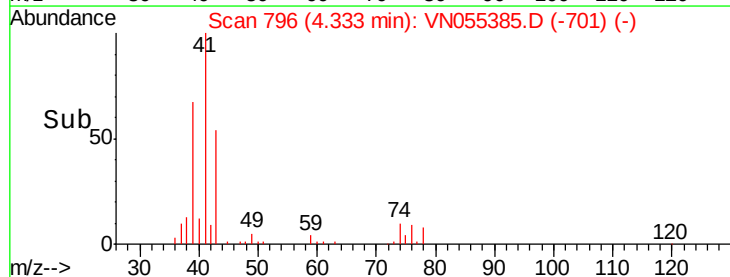
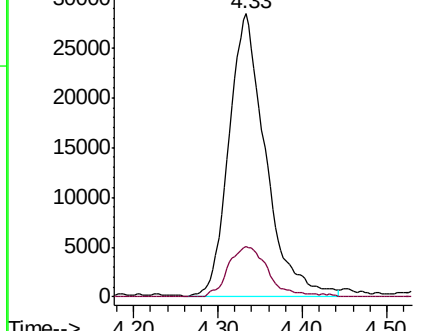
43 100

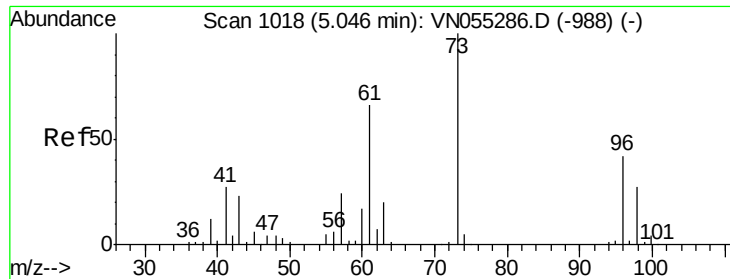
74 19.2 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-773) (-)

Ion 74.00 (73.70 to 74.70): VN055286.D (-773) (-)





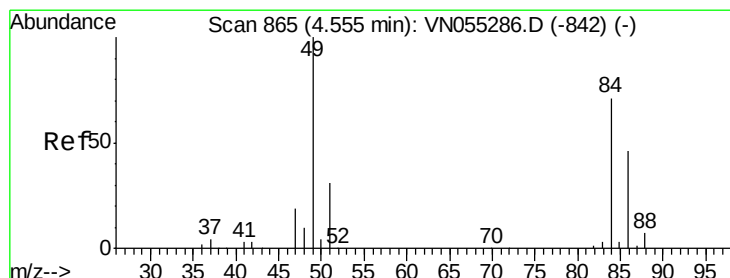
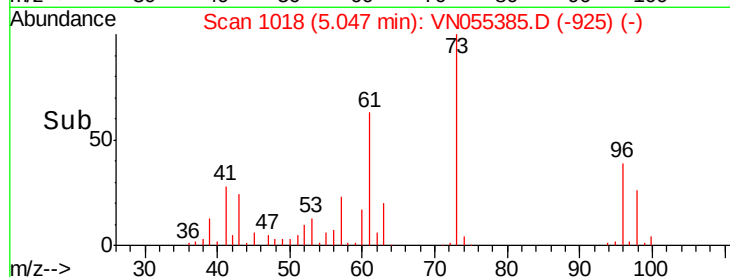
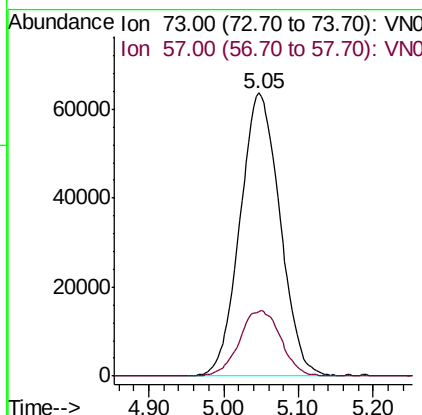
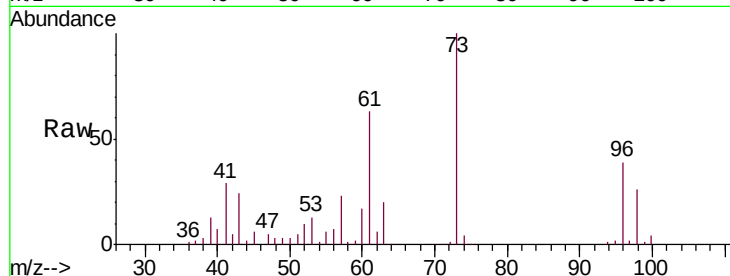
#19
Methyl tert-butyl Ether
Concen: 21.081 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0503MBSD01

Tgt Ion: 73 Resp: 235916
Ion Ratio Lower Upper
73 100
57 22.6 19.1 28.7

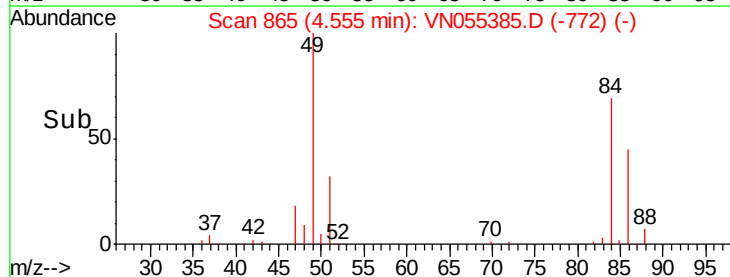
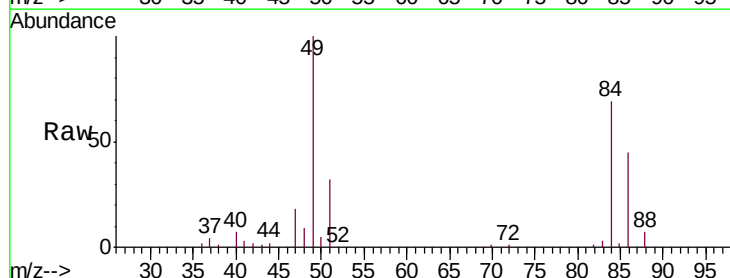
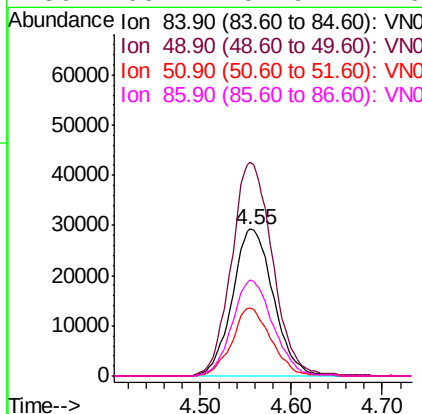
Manual Integrations
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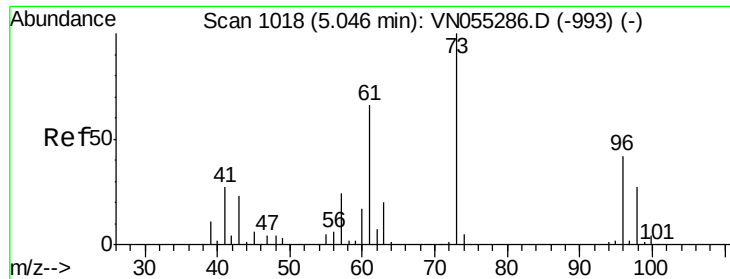
MMDadoda
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#20
Methylene Chloride
Concen: 18.284 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion: 84 Resp: 91675
Ion Ratio Lower Upper
84 100
49 145.6 112.4 168.6
51 46.5 34.6 51.8
86 65.1 51.9 77.9





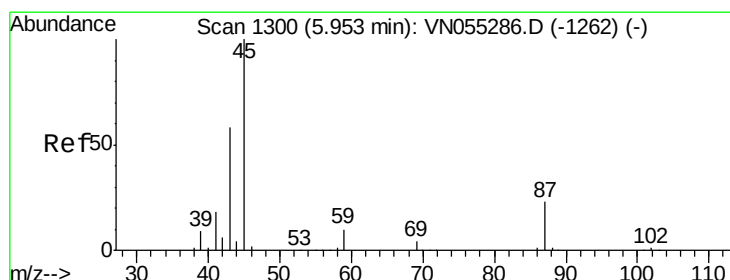
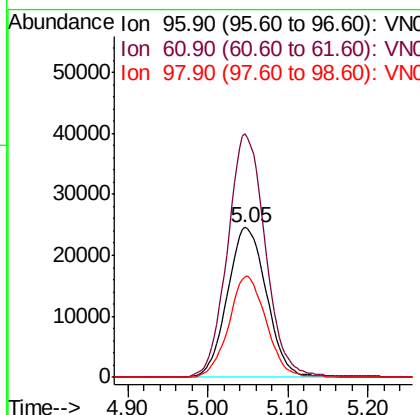
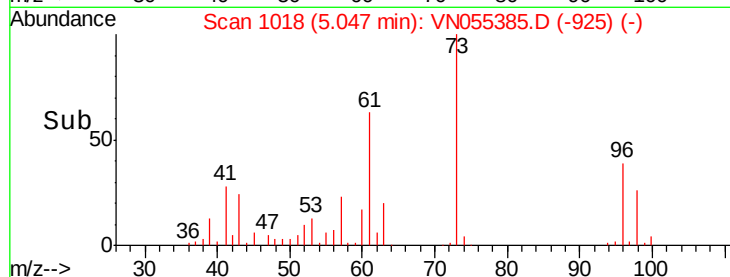
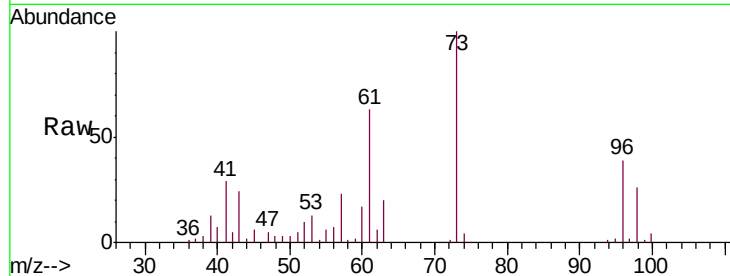
#21
trans-1,2-Dichloroethene
Concen: 19.443 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampleID :
VN0503MBSD01

Tgt Ion: 96 Resp: 81971
Ion Ratio Lower Upper
96 100
61 162.5 126.2 189.4
98 66.9 52.2 78.2

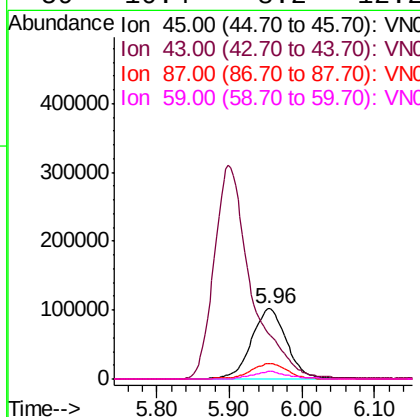
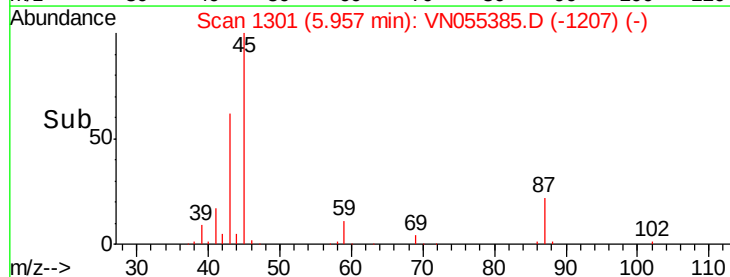
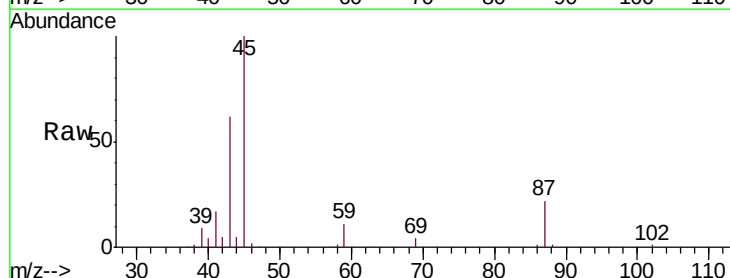
Manual Integrations
APPROVED

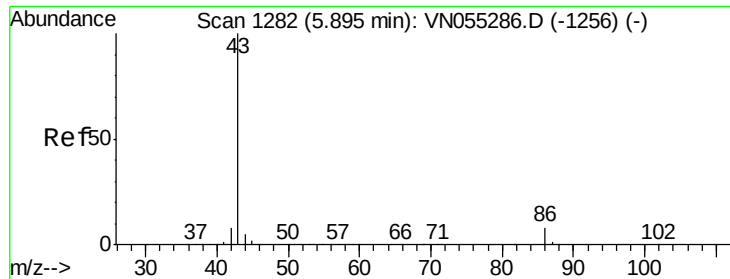
MMDadoda
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#22
Diisopropyl ether
Concen: 21.114 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion: 45 Resp: 345874
Ion Ratio Lower Upper
45 100
43 60.0 46.6 70.0
87 21.5 18.1 27.1
59 10.4 8.2 12.2





#23

Vinyl Acetate

Concen: 102.608 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0503MBSD01

Tgt Ion: 43 Resp: 1101602

Ion Ratio Lower Upper

43 100

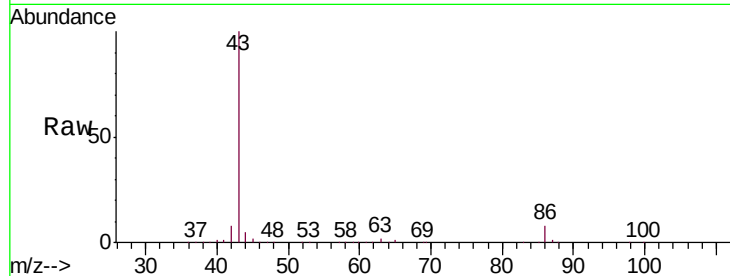
86 8.4 6.6 10.0

Manual Integrations

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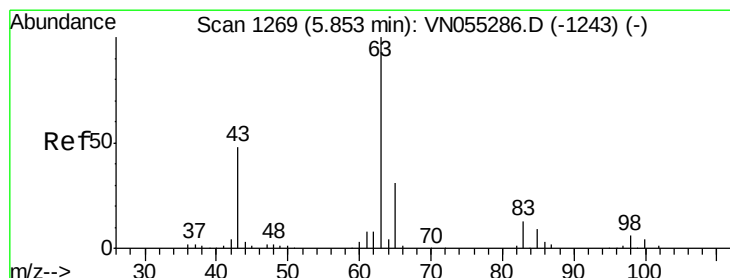
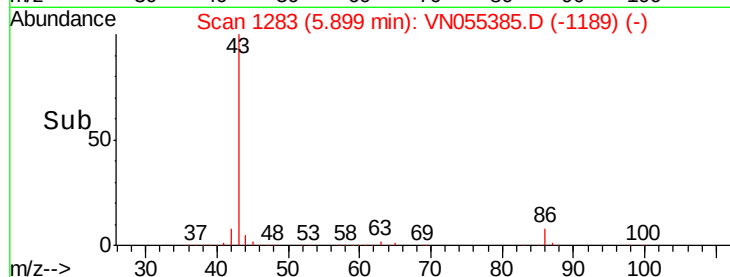
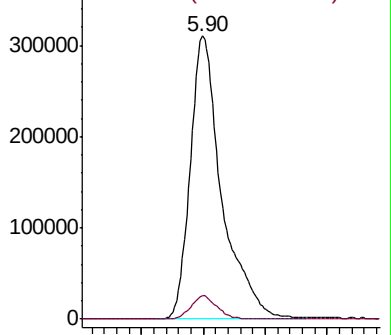
MMDadoda

5/6/2019 10:48:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.451 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

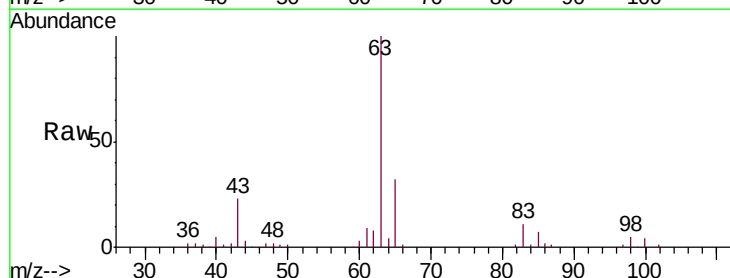
Tgt Ion: 63 Resp: 178497

Ion Ratio Lower Upper

63 100

98 5.2 3.0 9.0

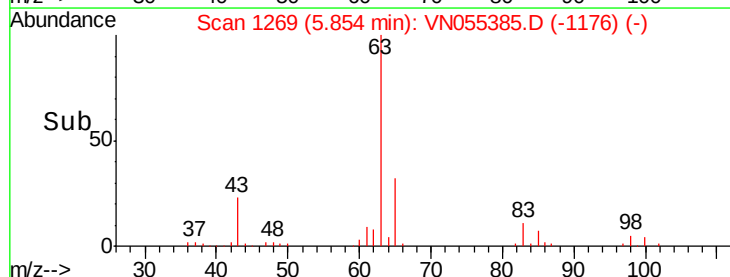
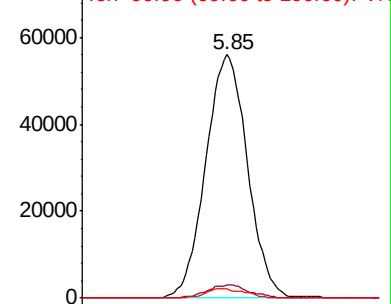
100 3.7 1.8 5.4

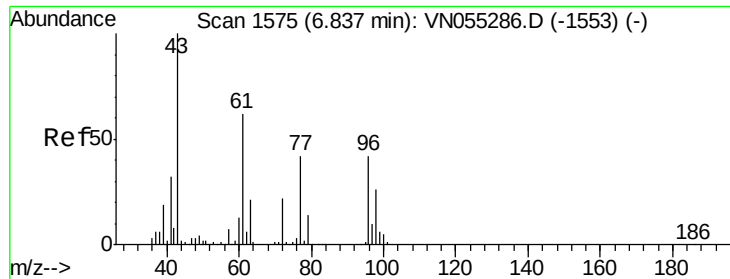


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 96.517 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBSD01

Tgt Ion: 43 Resp: 202754

Ion Ratio Lower Upper

43 100

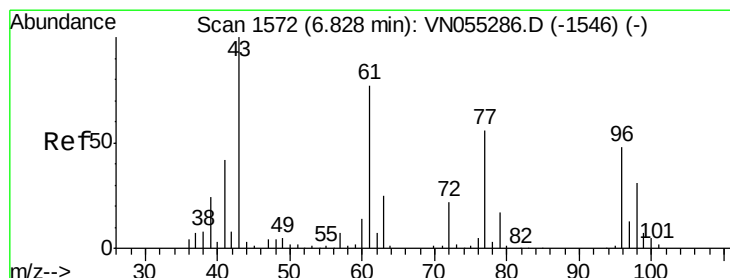
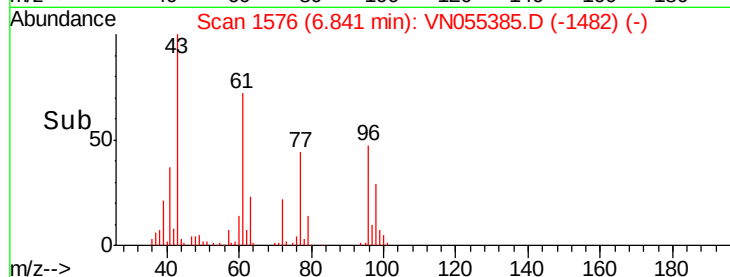
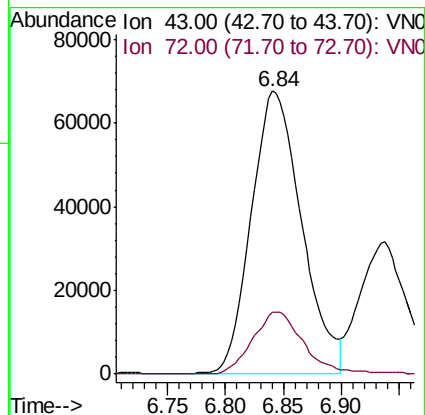
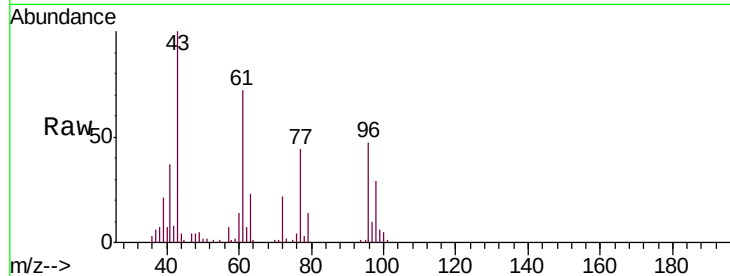
72 21.9 18.0 27.0

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:48:09 AM



#26

2,2-Dichloropropane

Concen: 19.351 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055385.D

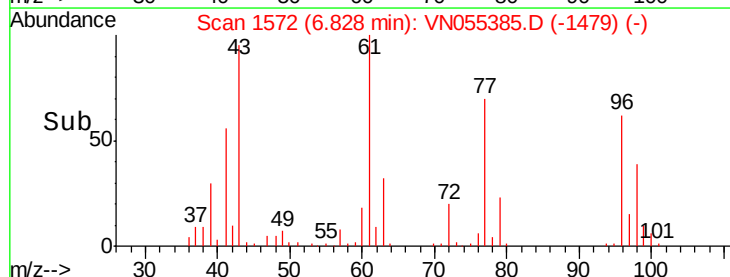
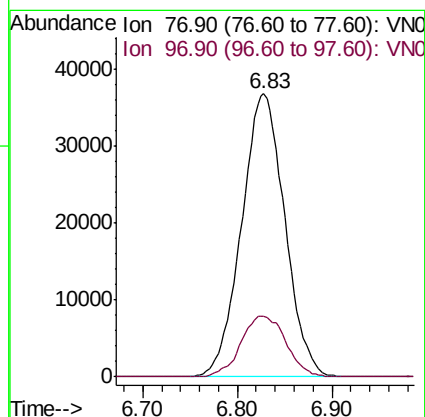
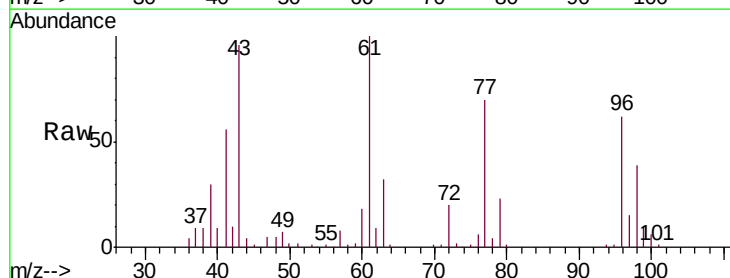
Acq: 3 May 2019 13:17

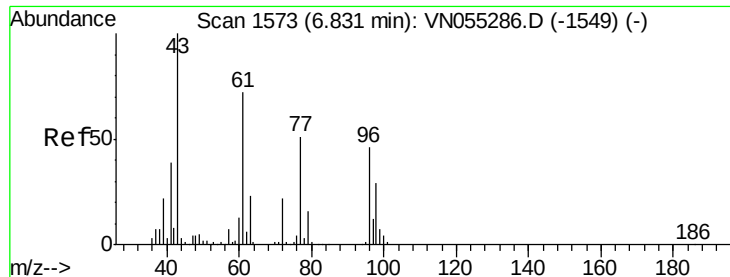
Tgt Ion: 77 Resp: 116630

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2





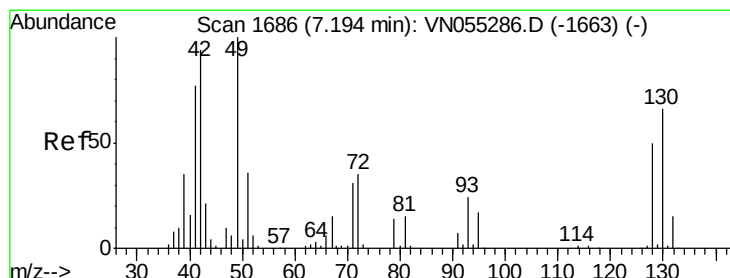
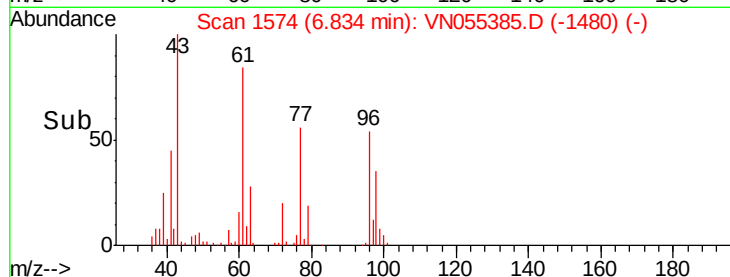
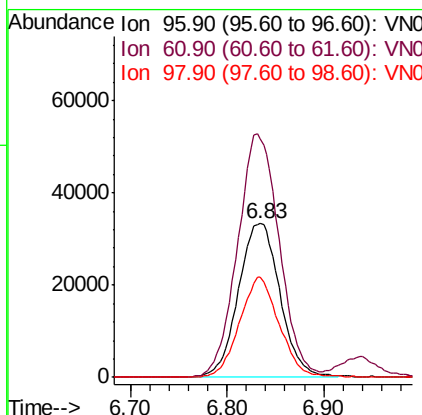
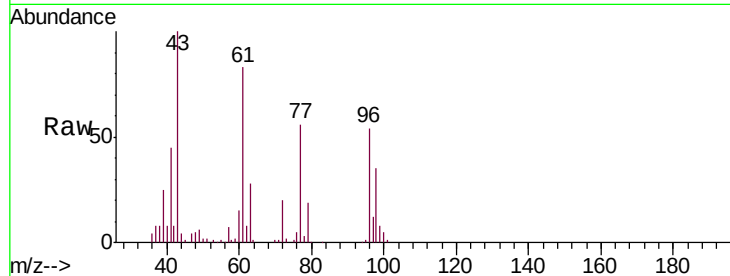
#27
 cis-1,2-Dichloroethene
 Concen: 20.827 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	99849		
61	158.3	0.0	316.2	
98	62.0	0.0	126.6	

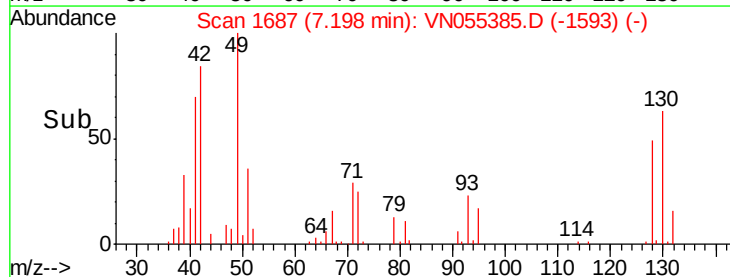
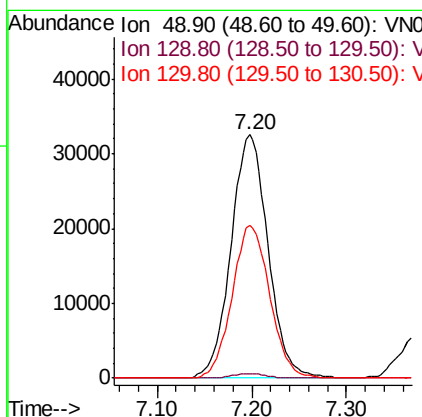
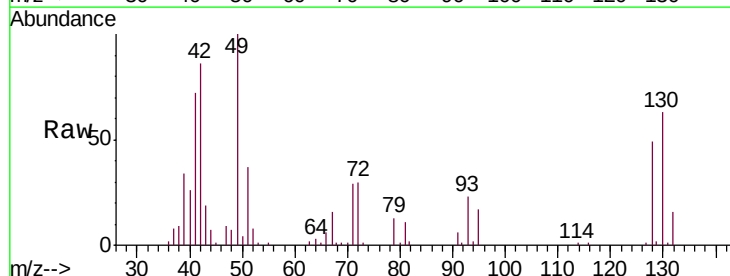
Manual Integrations
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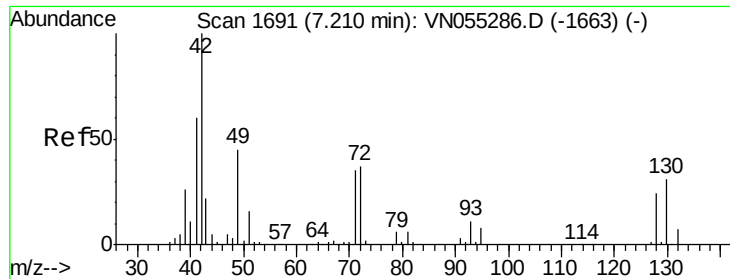
MMDadoda
 5/6/2019 10:48:09 AM



#28
 Bromochloromethane
 Concen: 20.149 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88643		
129	1.6	0.0	2.4	
130	63.6	52.0	78.0	





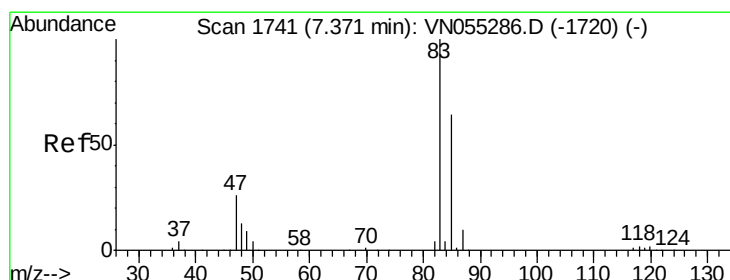
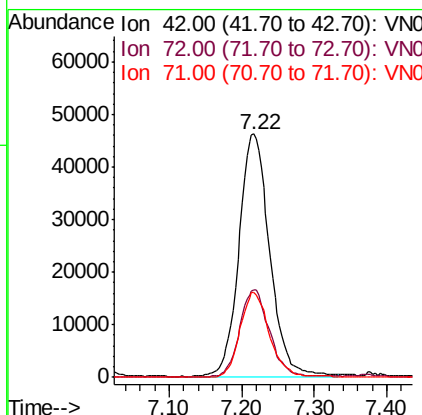
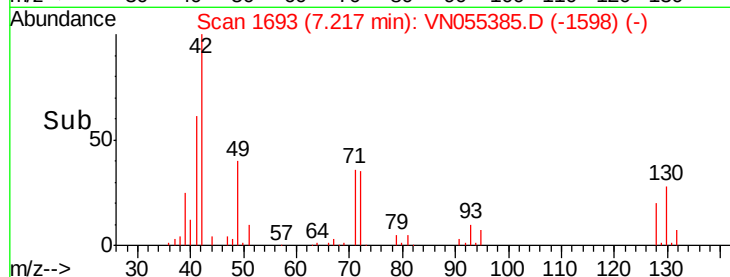
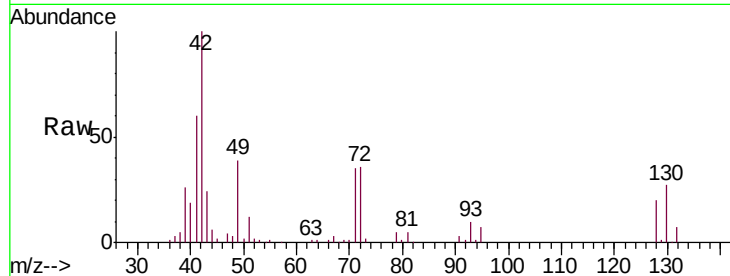
#29
Tetrahydrofuran
Concen: 102.658 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	34.8	29.0	43.6
71	32.8	27.1	40.7

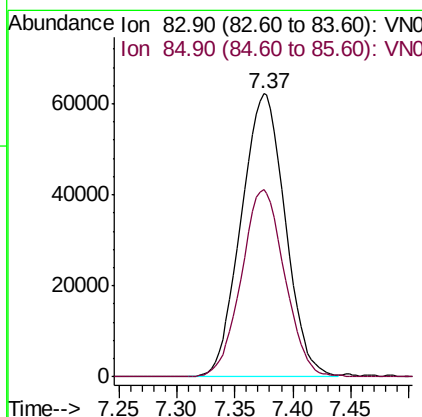
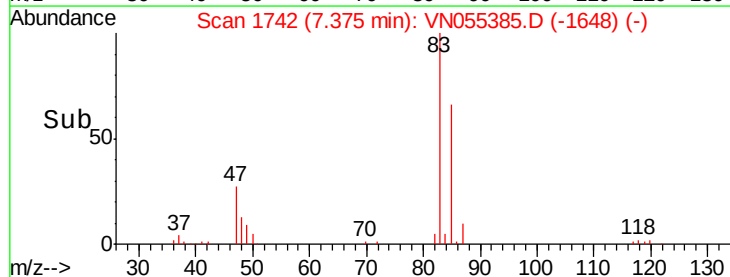
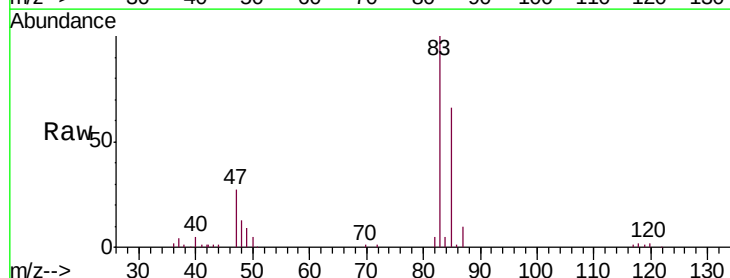
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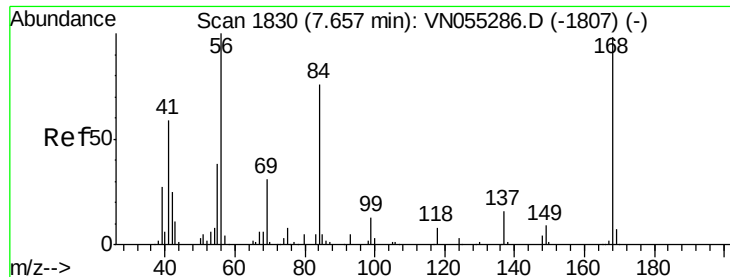
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#30
Chloroform
Concen: 19.909 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.4	77.2





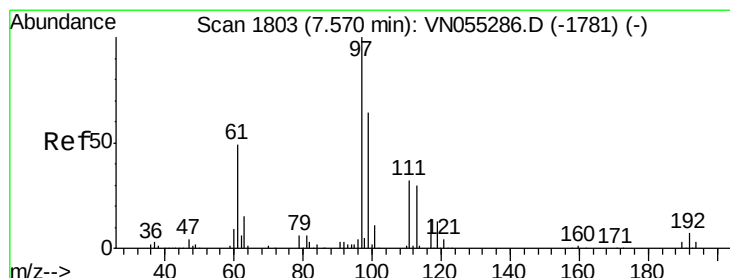
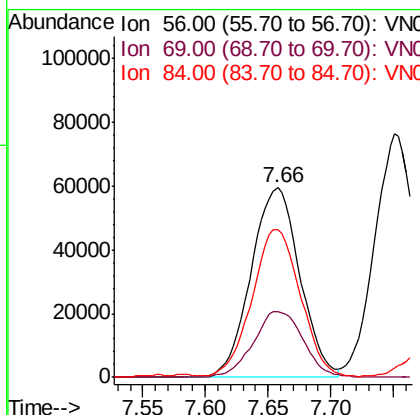
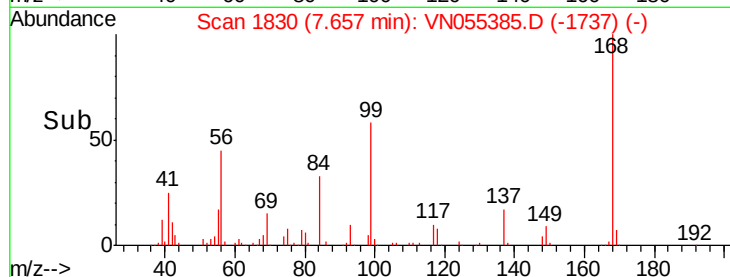
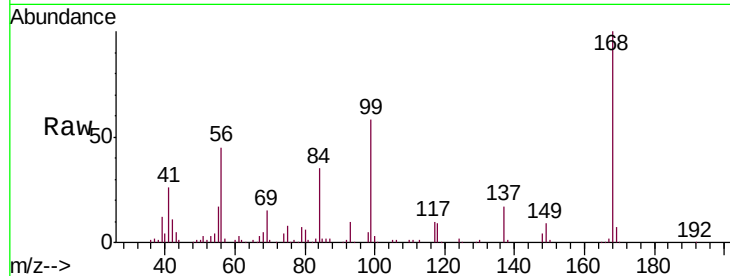
#31
Cyclohexane
Concen: 19.382 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0503MBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.5	25.2	37.8
84	76.8	61.1	91.7

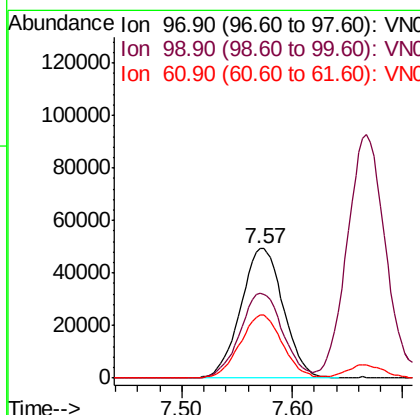
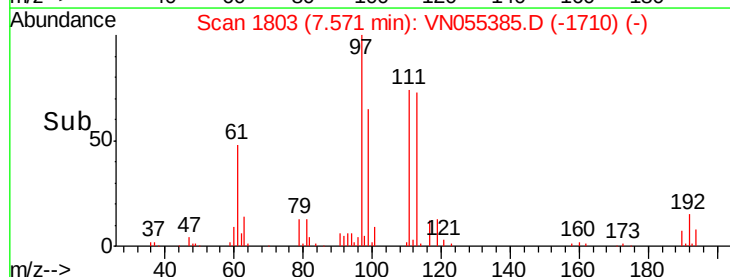
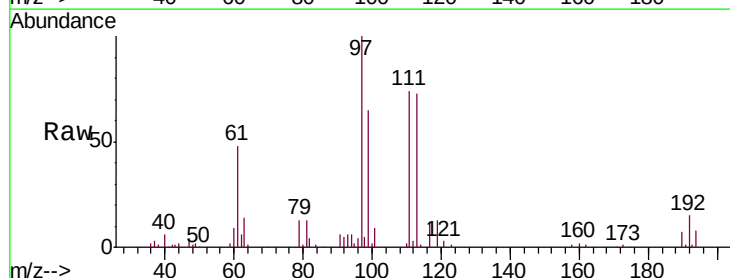
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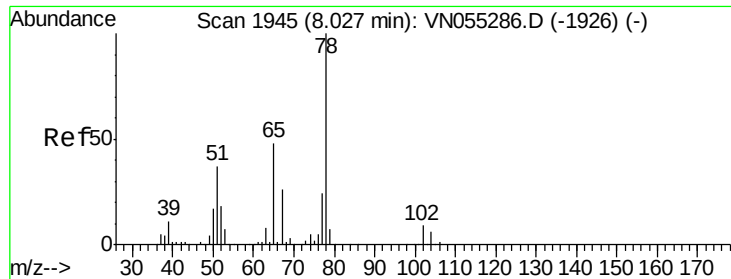
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#32
1,1,1-Trichloroethane
Concen: 19.689 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.8	77.8
61	48.1	39.0	58.6





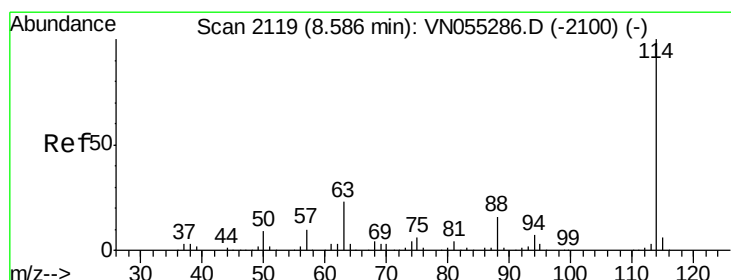
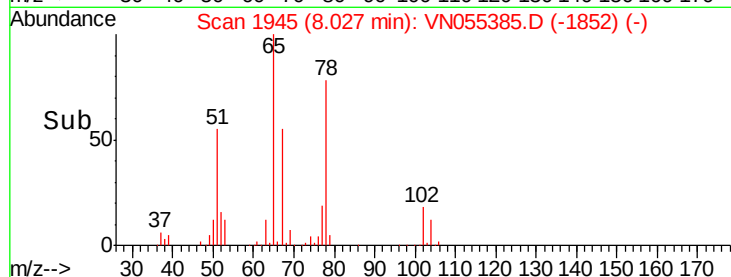
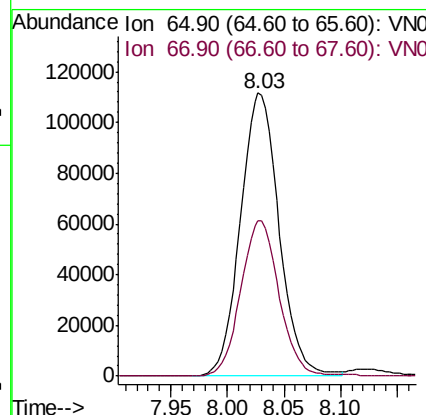
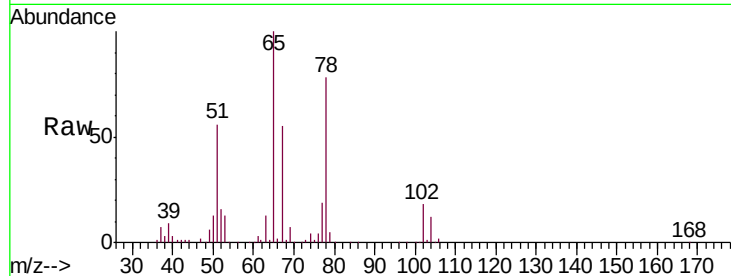
#33
 1,2-Dichloroethane-d4
 Concen: 50.357 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	265474		
67	54.3	0.0	106.8	

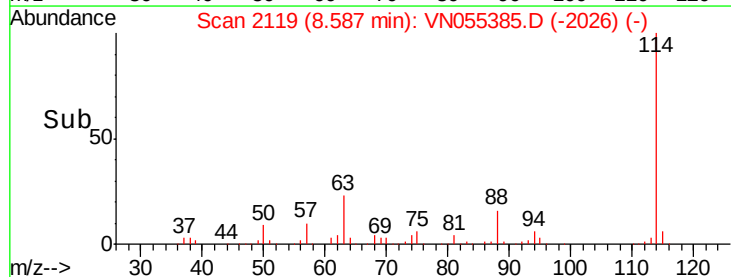
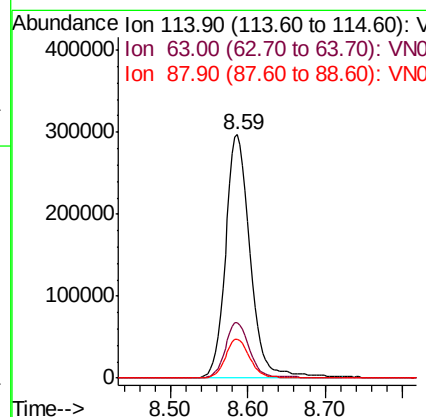
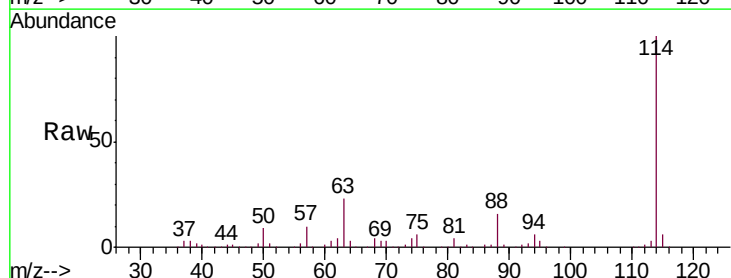
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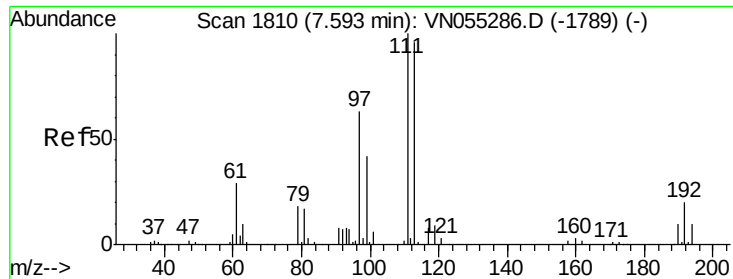
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	657544		
63	23.0	0.0	45.2	
88	16.0	0.0	31.6	





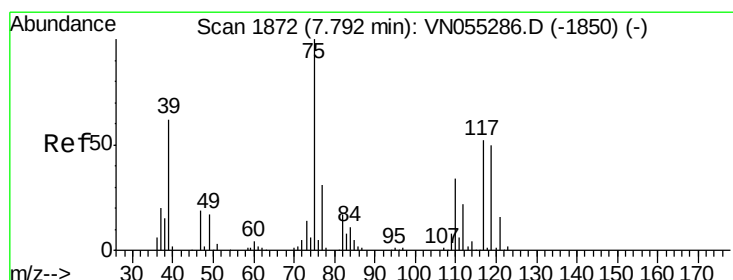
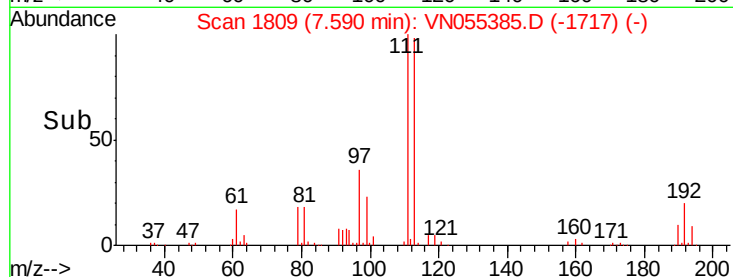
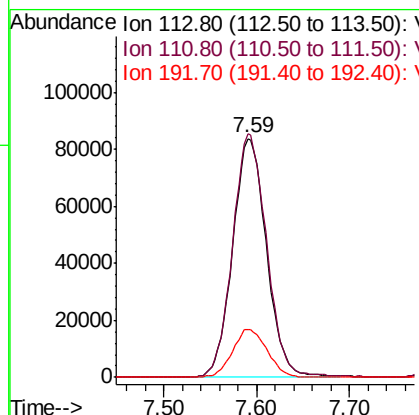
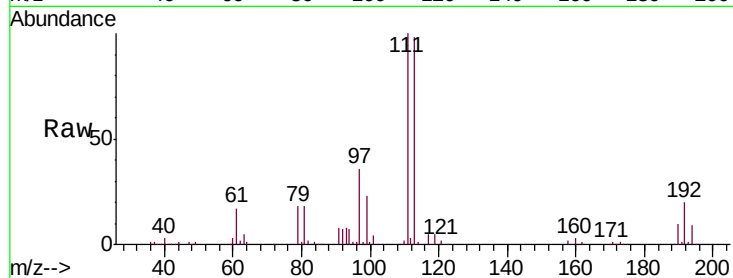
#35
 Dibromofluoromethane
 Concen: 49.226 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	212453		
111	102.3	82.3	123.5	
192	20.4	17.0	25.6	

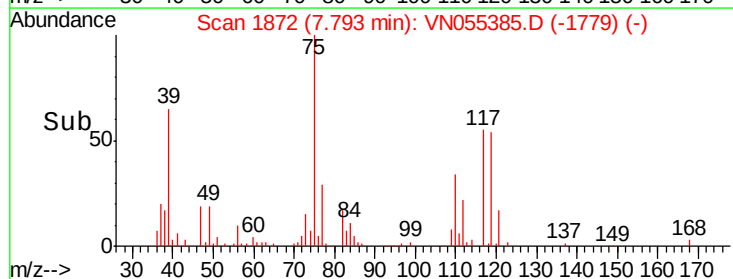
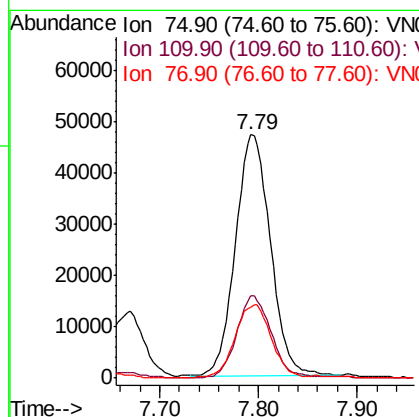
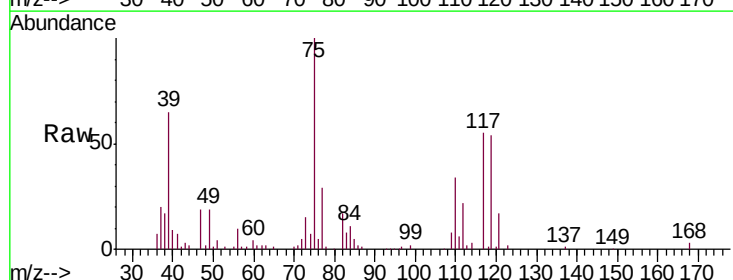
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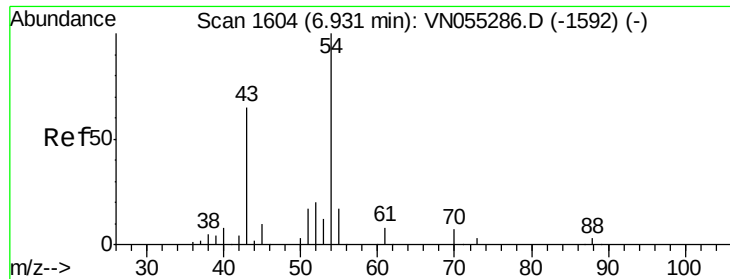
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#36
 1,1-Dichloropropene
 Concen: 18.525 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	116677		
110	33.6	16.8	50.4	
77	31.5	25.0	37.6	





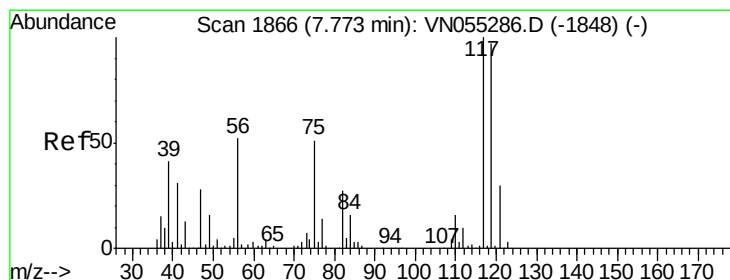
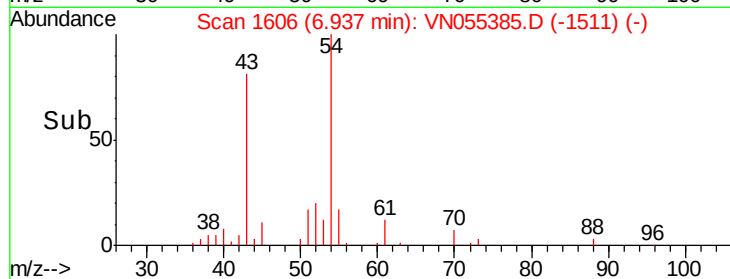
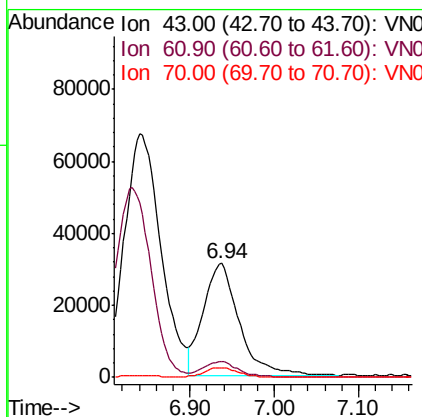
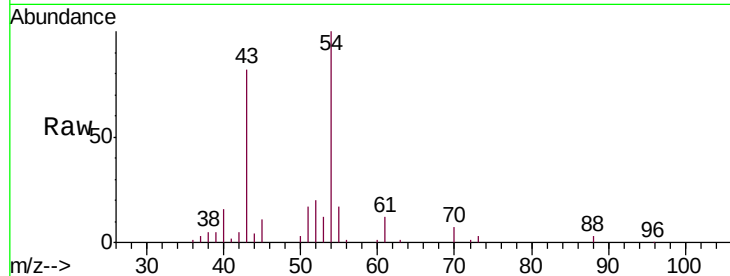
#37
Ethyl Acetate
Concen: 19.242 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

Tgt Ion: 43 Resp: 92884
Ion Ratio Lower Upper
43 100
61 12.8 10.4 15.6
70 8.0 6.6 10.0

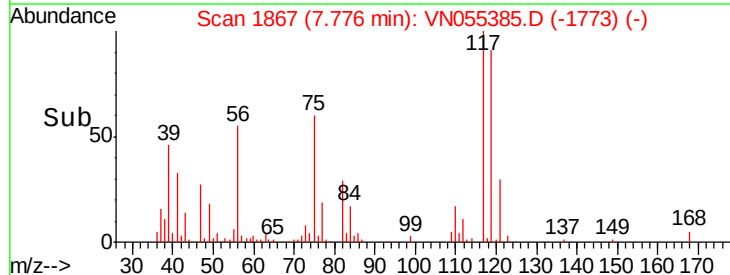
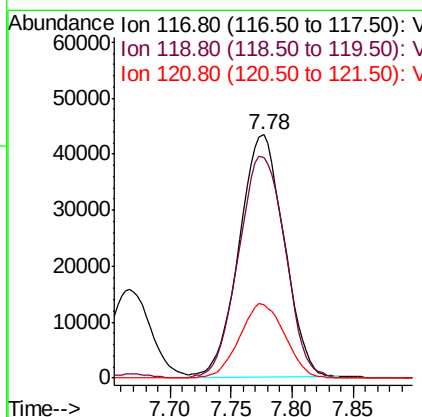
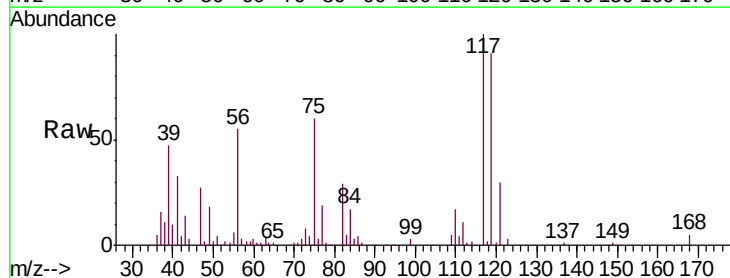
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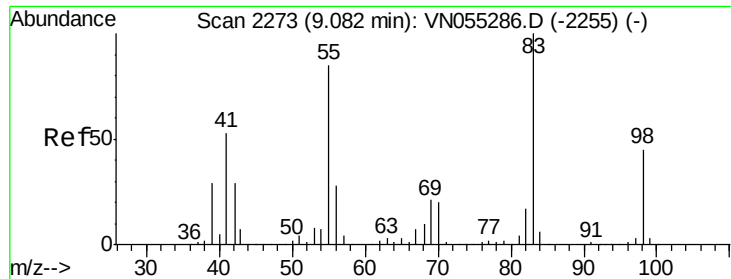
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#38
Carbon Tetrachloride
Concen: 18.190 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion: 117 Resp: 110513
Ion Ratio Lower Upper
117 100
119 91.2 77.0 115.6
121 30.4 23.8 35.8





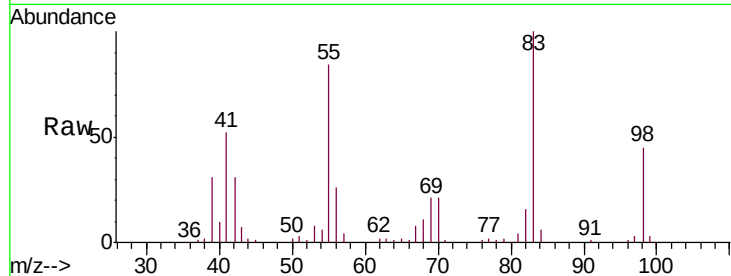
#39
Methylcyclohexane
Concen: 18.586 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

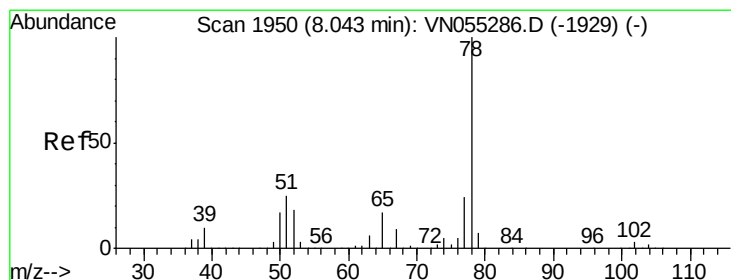
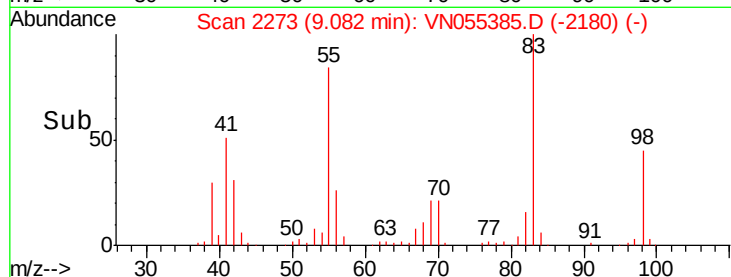
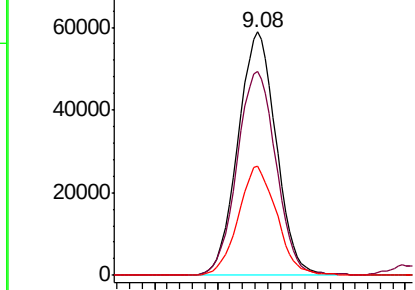
Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.5	67.8	101.6
98	44.6	36.2	54.4

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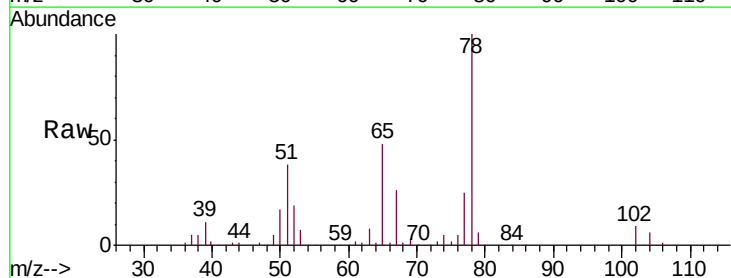


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

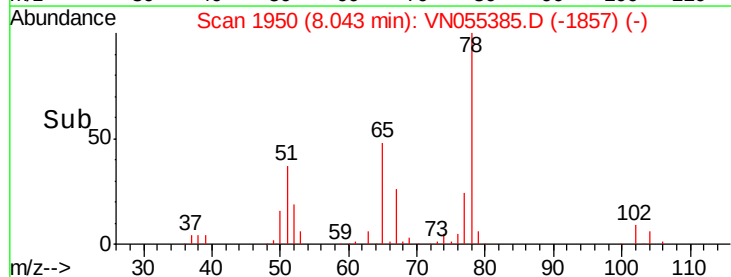
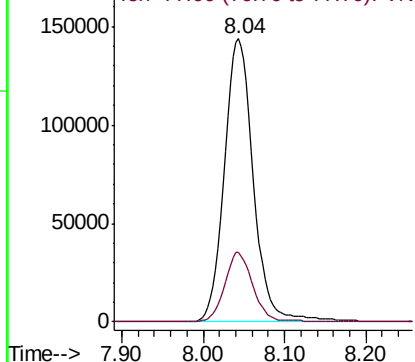


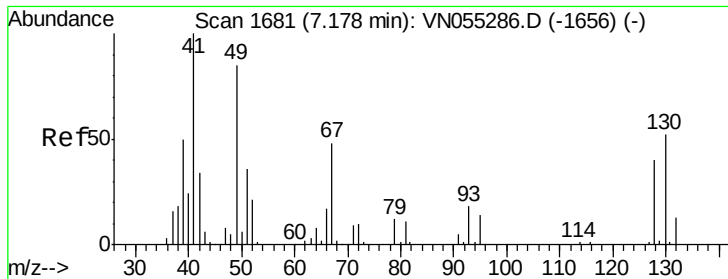
#40
Benzene
Concen: 19.425 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.6



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





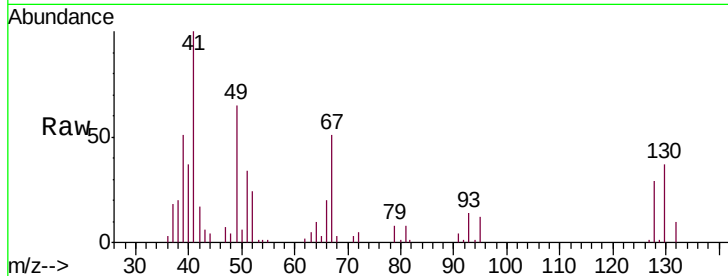
#41
Methacrylonitrile
Concen: 21.801 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

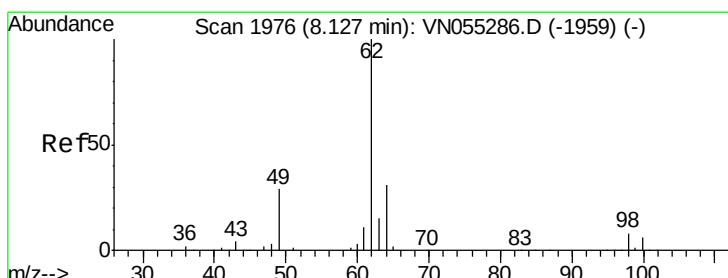
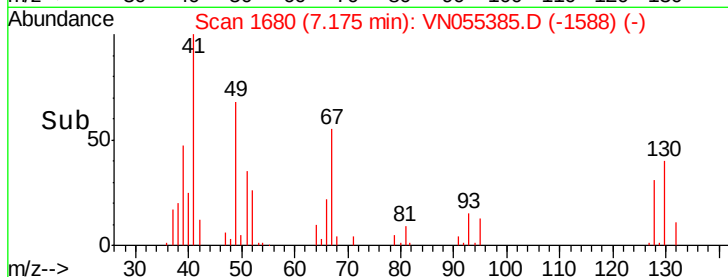
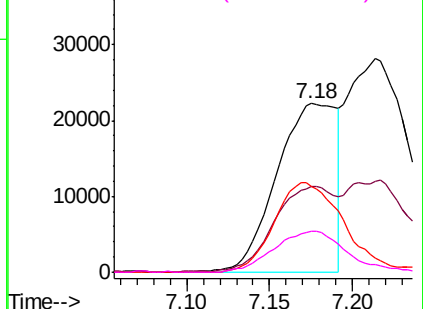
Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.5	48.5	72.7
67	62.6	54.9	82.3
52	29.4	24.9	37.3

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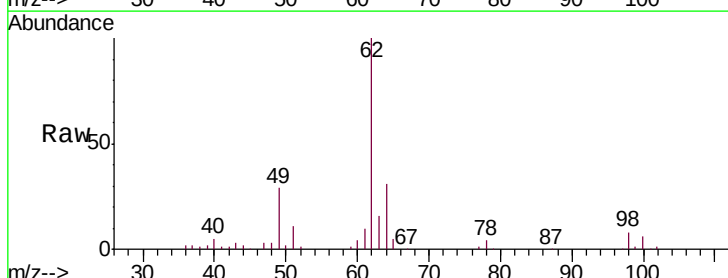


Abundance Ion 41.00 (40.70 to 41.70): VN055286.D (-1656) (-)
Ion 39.00 (38.70 to 39.70): VN055286.D (-1656) (-)
Ion 67.00 (66.70 to 67.70): VN055286.D (-1656) (-)
Ion 52.00 (51.70 to 52.70): VN055286.D (-1656) (-)

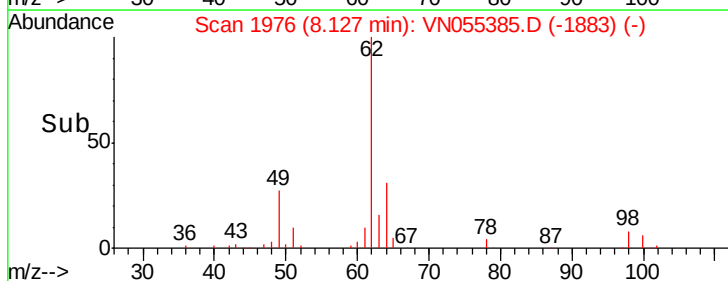
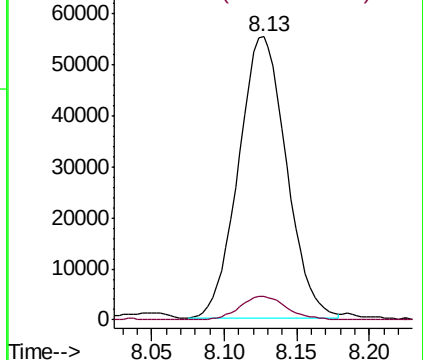


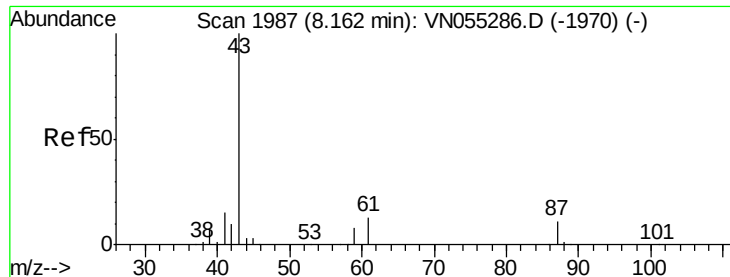
#42
1,2-Dichloroethane
Concen: 19.282 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VN055286.D (-1959) (-)
Ion 97.90 (97.60 to 98.60): VN055286.D (-1959) (-)





#43

Isopropyl Acetate

Concen: 19.795 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

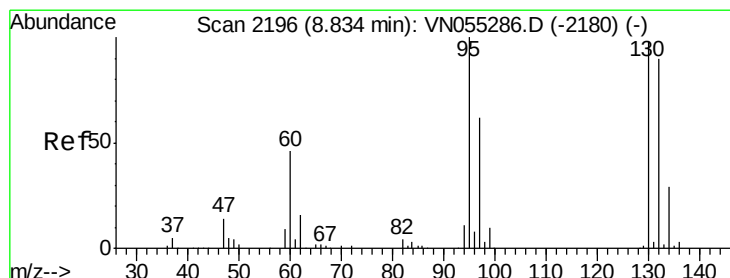
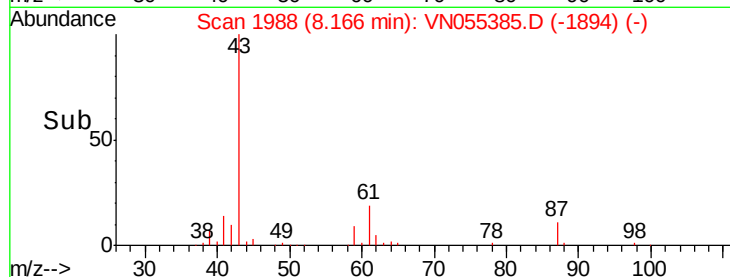
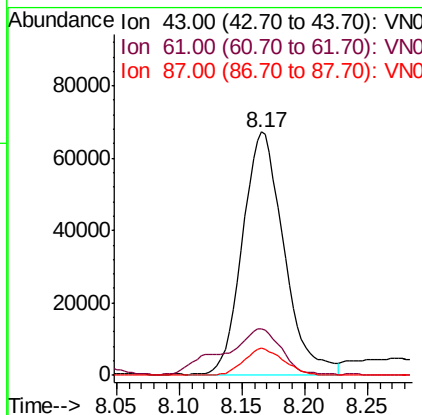
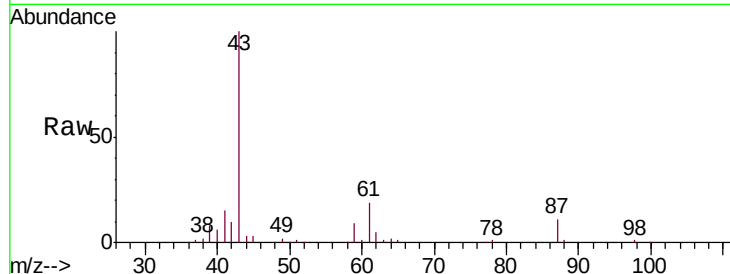
ClientSampleId :

VN0503MBSD01

Tgt Ion:	43	Resp:	153560
Ion	Ratio	Lower	Upper
43	100		
61	19.2	20.8	31.2#
87	10.7	8.5	12.7

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#44

Trichloroethene

Concen: 19.571 ug/l

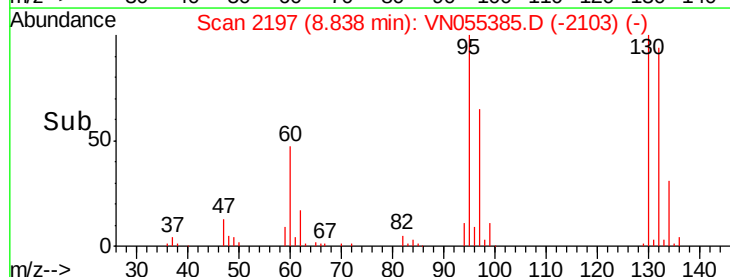
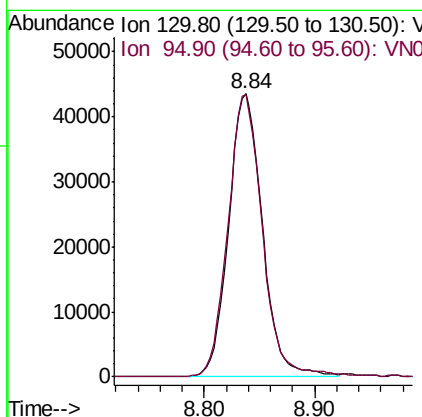
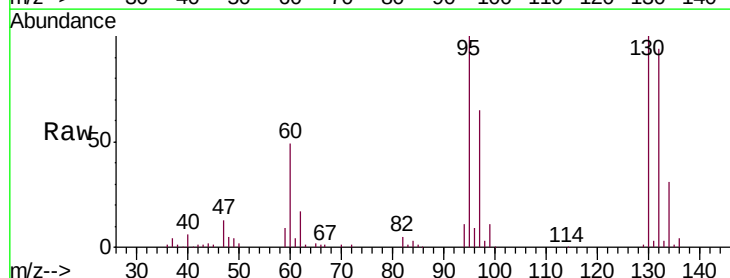
RT: 8.84 min Scan# 2197

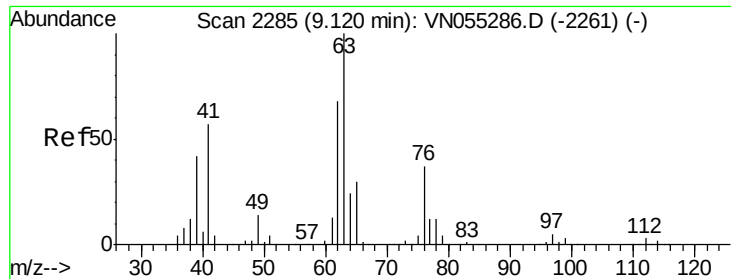
Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Tgt Ion:	130	Resp:	92633
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	203.4





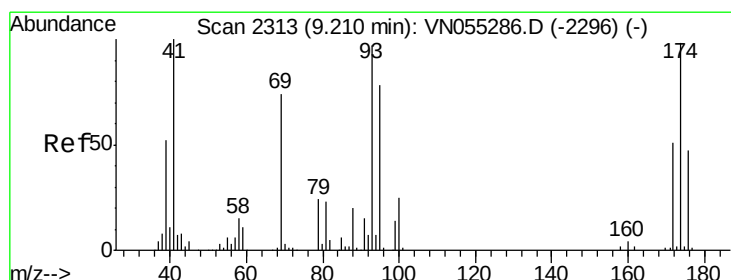
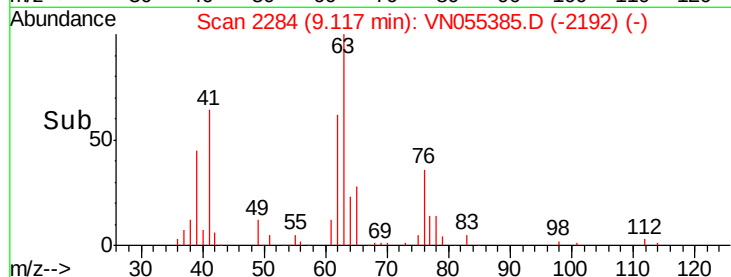
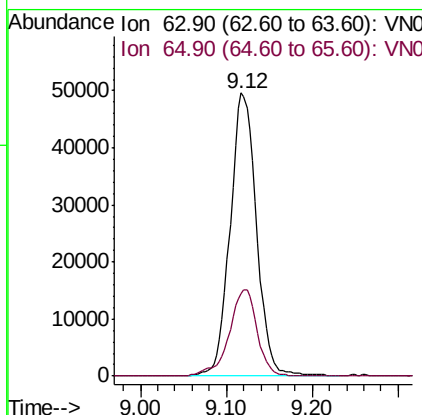
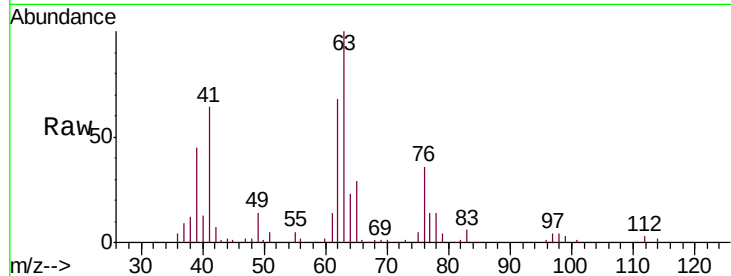
#45
 1,2-Dichloropropane
 Concen: 19.760 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503MBSD01

Tgt Ion: 63 Resp: 105814
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.9 35.9

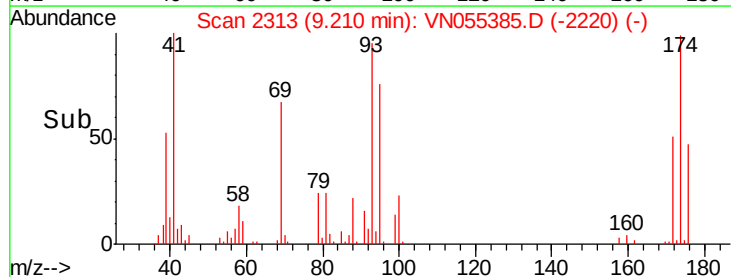
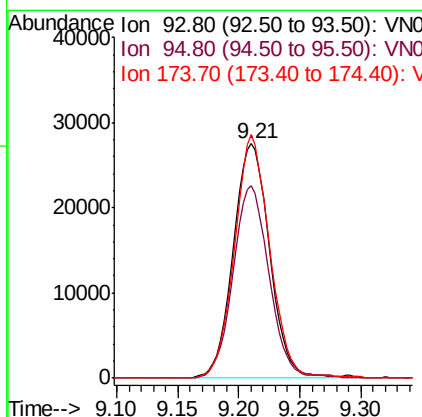
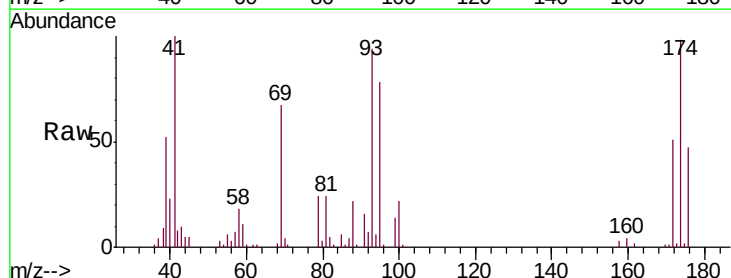
Manual Integrations
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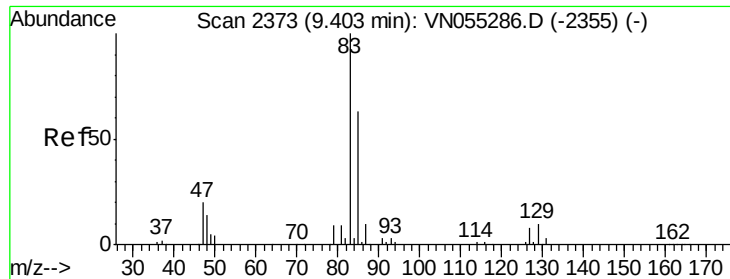
MMDadoda
 5/6/2019 10:48:09 AM



#46
 Dibromomethane
 Concen: 19.403 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion: 93 Resp: 56793
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.7 98.5
 174 99.7 81.5 122.3





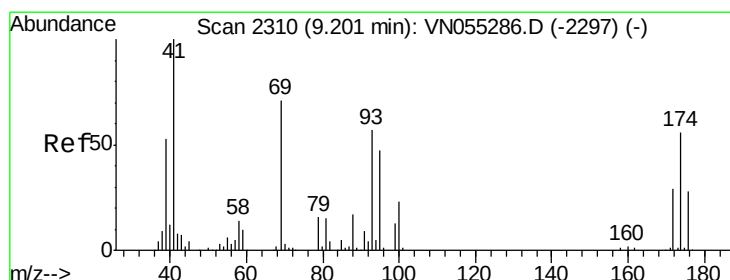
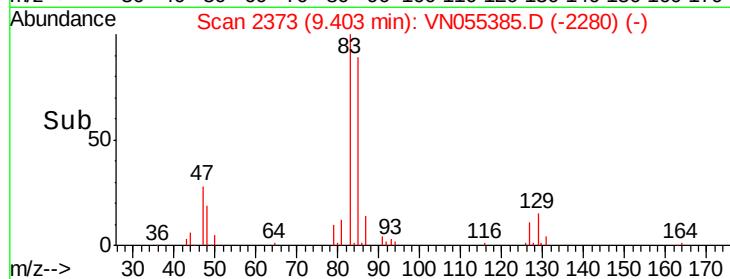
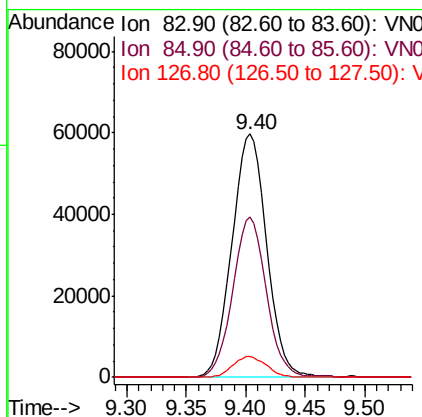
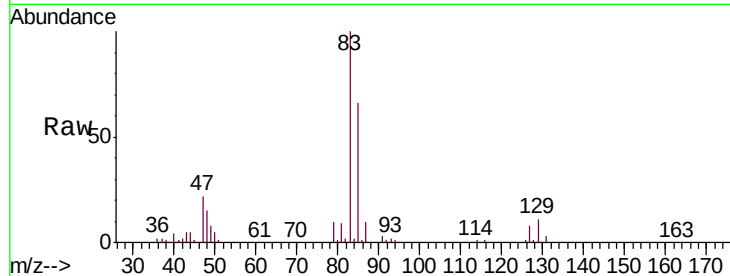
#47
Bromodichloromethane
Concen: 19.282 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	121081		
85	65.8	50.1	75.1	
127	8.5	6.7	10.1	

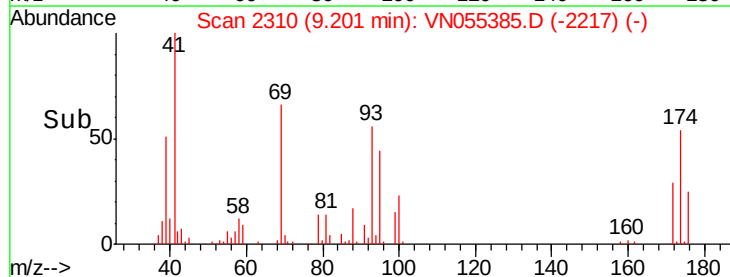
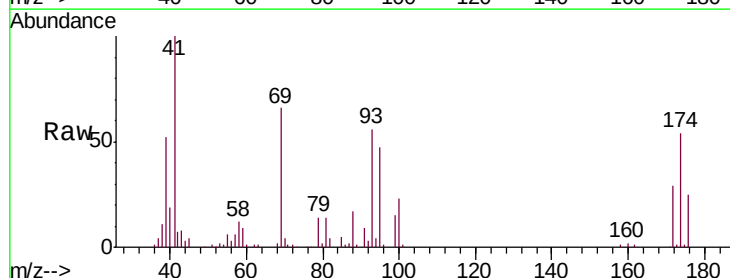
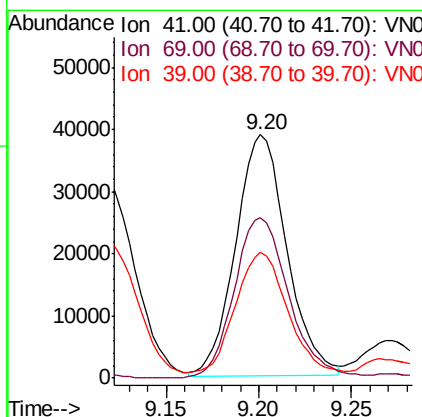
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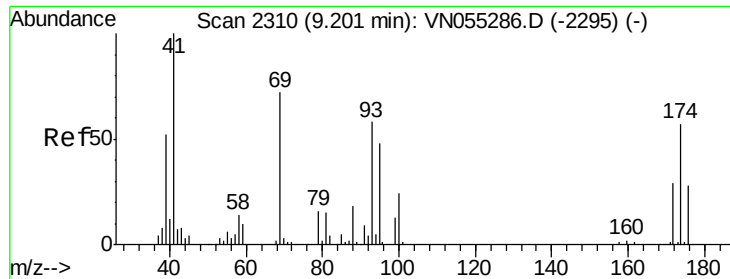
MMDadoda
5/6/2019 10:48:09 AM



#48
Methyl methacrylate
Concen: 19.643 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	74908		
69	70.6	58.6	87.8	
39	53.3	43.8	65.6	





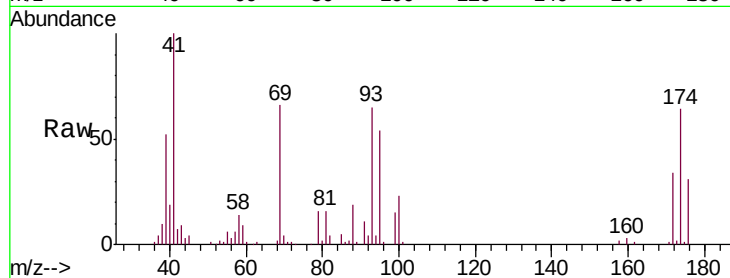
#49
1,4-Dioxane
Concen: 376.693 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0503MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	14850		
43	41.9	33.3	49.9	
58	80.2	62.7	94.1	

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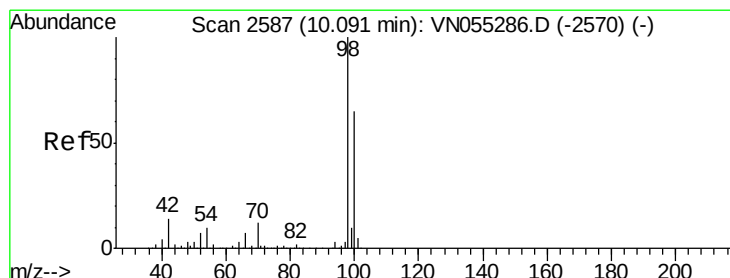
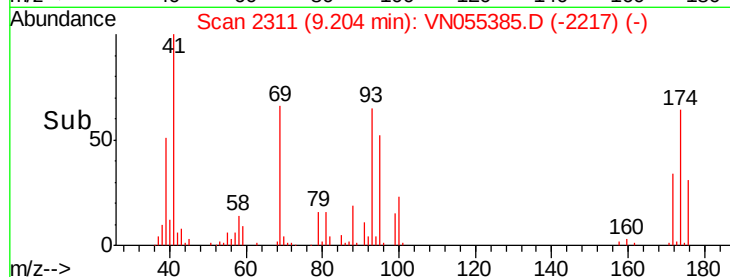
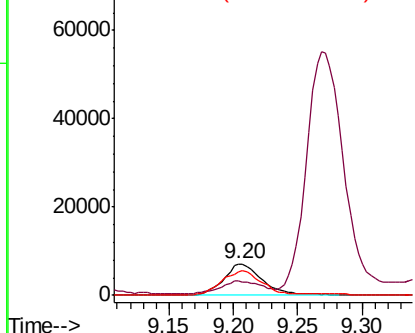
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Abundance Ion 88.00 (87.70 to 88.70): VN055286.D (-2295) (-)

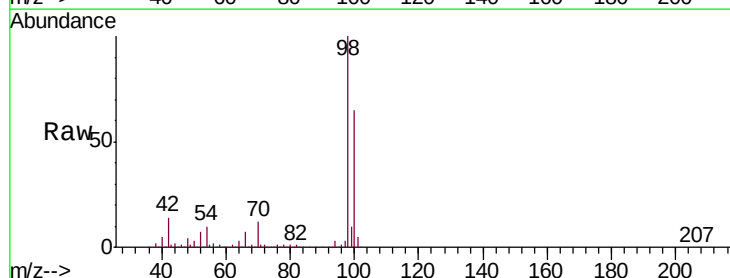
Ion 43.00 (42.70 to 43.70): VN055286.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2295) (-)



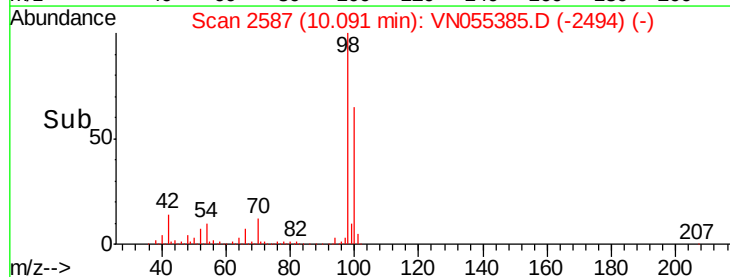
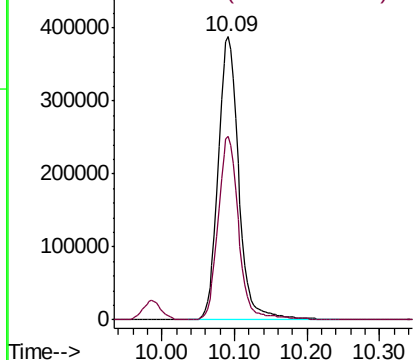
#50
Toluene-d8
Concen: 48.980 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

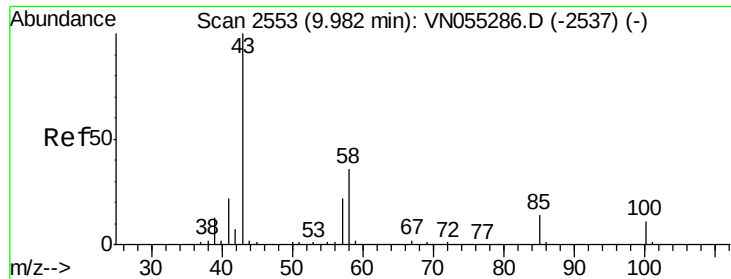
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	763319		
100	63.8	51.7	77.5	



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055286.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 96.093 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBSD01

Tgt Ion: 43 Resp: 419691

Ion Ratio Lower Upper

43 100

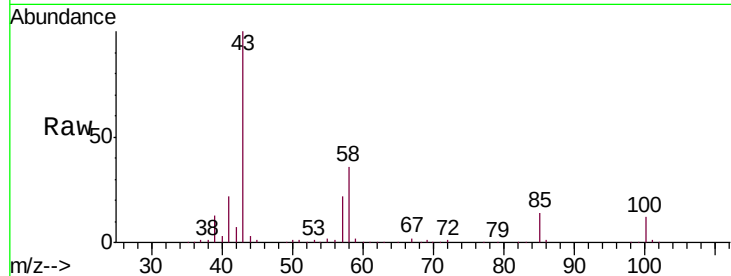
58 35.4 28.5 42.7

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Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2537) (-)

250000

200000

150000

100000

50000

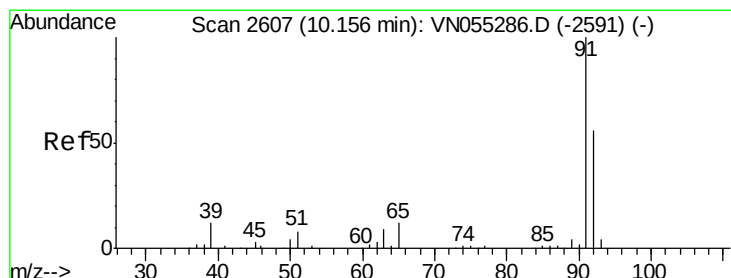
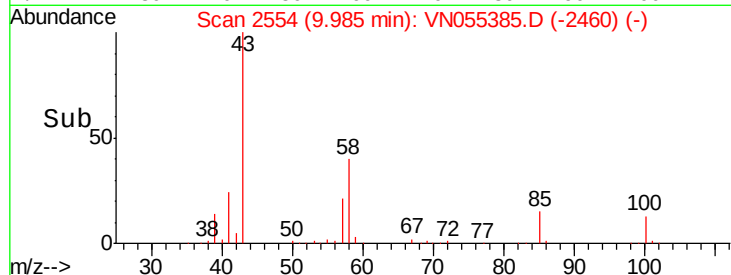
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 19.343 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055385.D

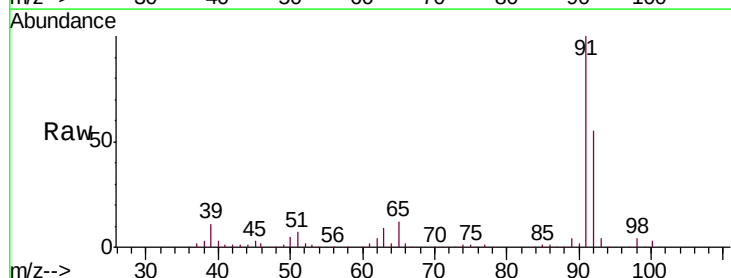
Acq: 3 May 2019 13:17

Tgt Ion: 92 Resp: 206067

Ion Ratio Lower Upper

92 100

91 179.9 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN055286.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055286.D (-2591) (-)

200000

150000

100000

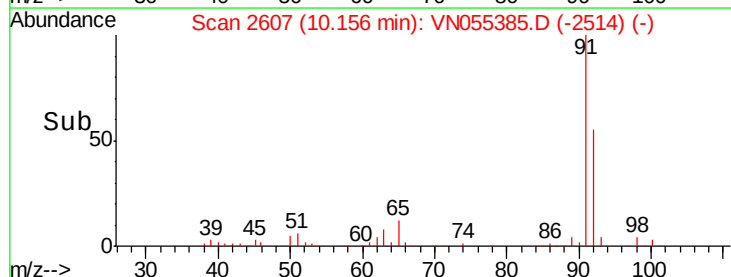
50000

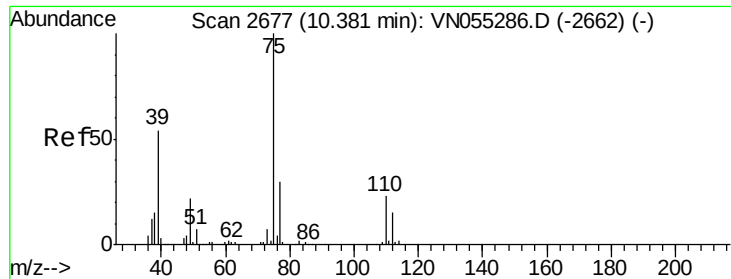
0

10.10

10.20

Time-->





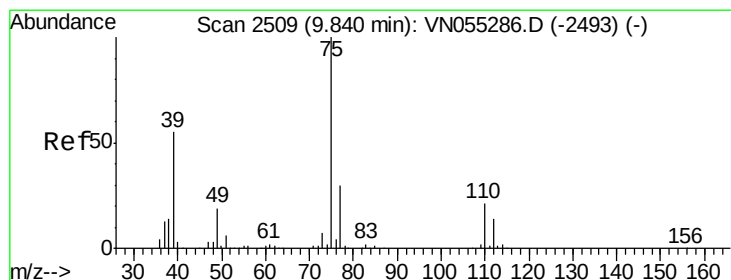
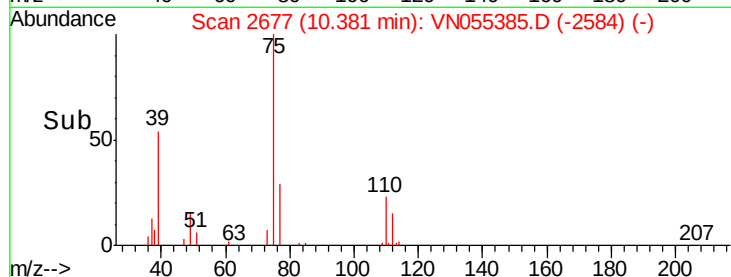
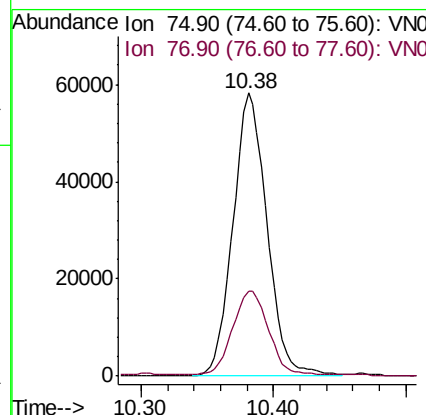
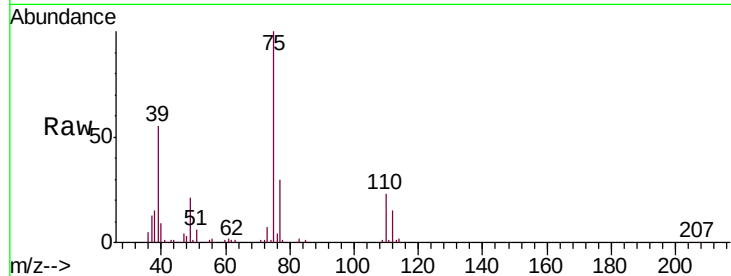
#53
t-1,3-Dichloropropene
Concen: 19.113 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

Tgt Ion: 75 Resp: 104190
Ion Ratio Lower Upper
75 100
77 29.5 24.4 36.6

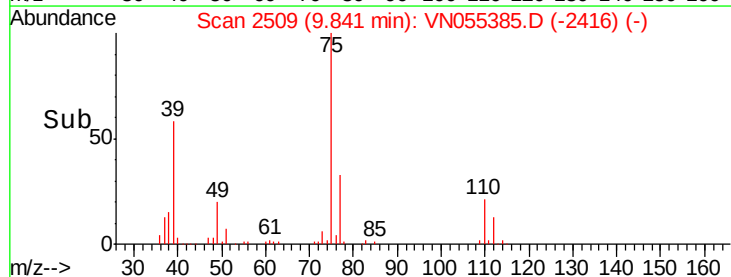
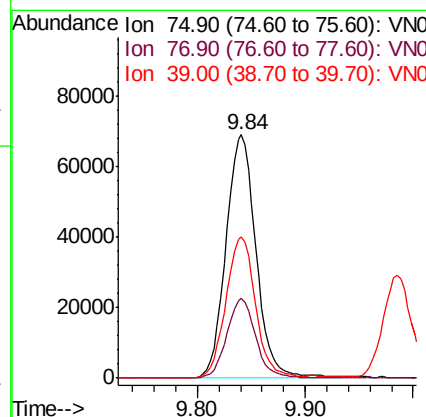
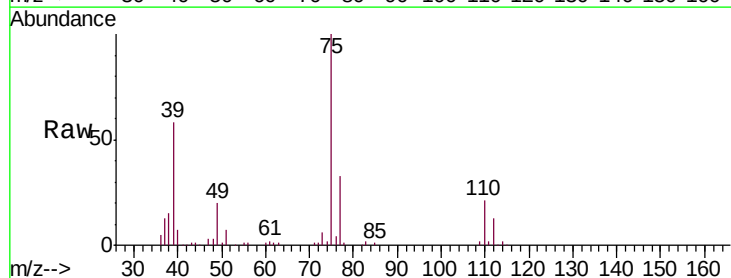
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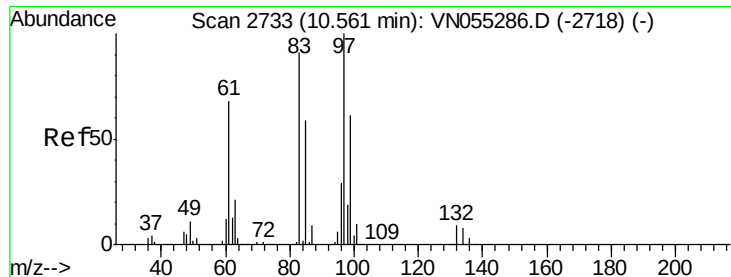
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.708 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion: 75 Resp: 133947
Ion Ratio Lower Upper
75 100
77 32.6 24.2 36.2
39 57.5 44.2 66.2





#55

1,1,2-Trichloroethane

Concen: 20.251 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

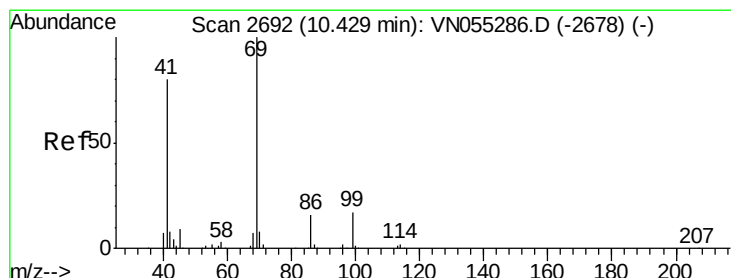
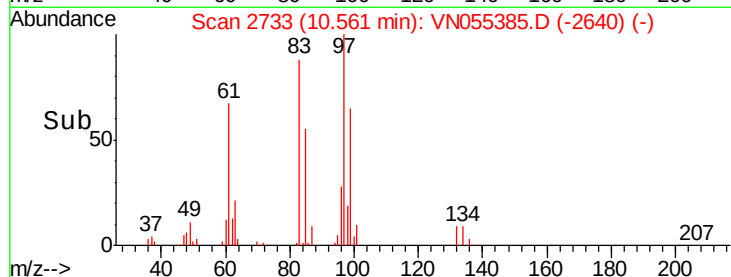
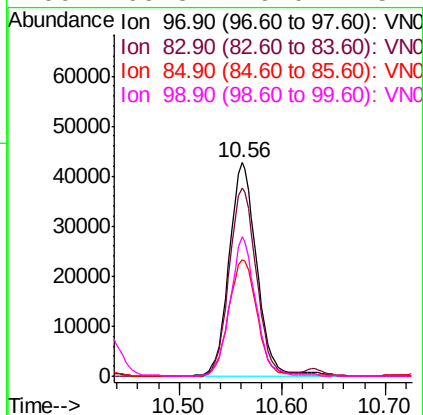
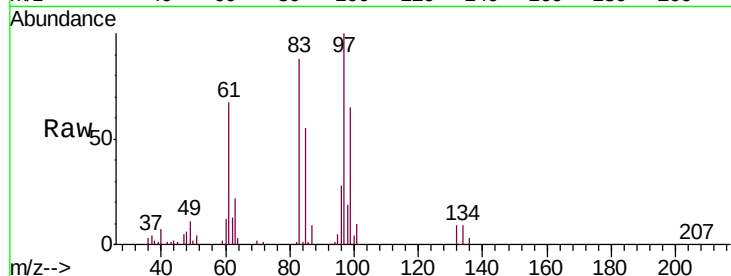
ClientSampleId :

VN0503MBSD01

Tgt Ion:	97	Resp:	80113
Ion	Ratio	Lower	Upper
97	100		
83	88.4	72.8	109.2
85	54.7	47.0	70.6
99	65.3	49.0	73.4

Manual Integrations
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5/6/2019 10:48:09 AM



#56

Ethyl methacrylate

Concen: 19.877 ug/l

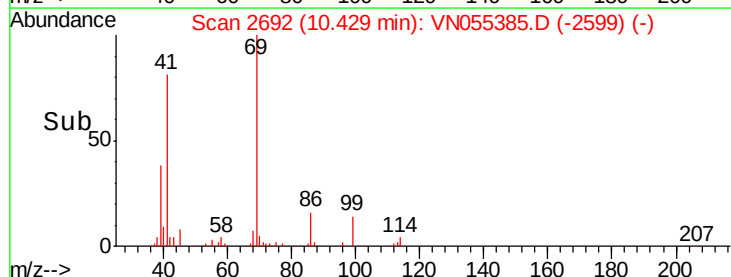
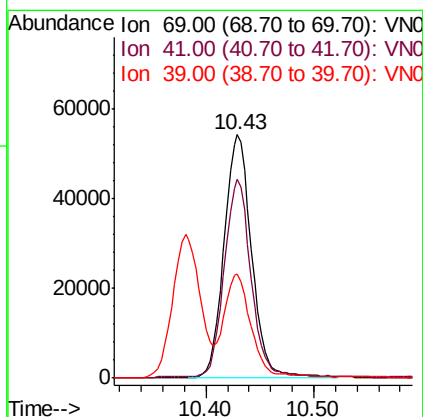
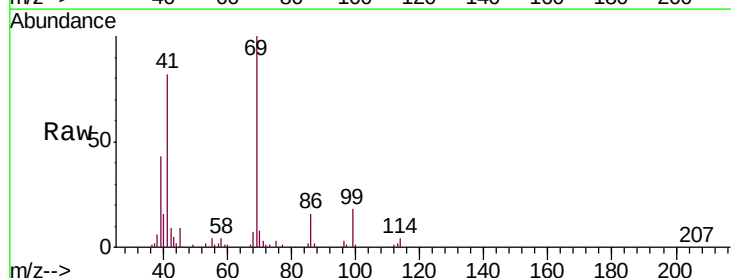
RT: 10.43 min Scan# 2692

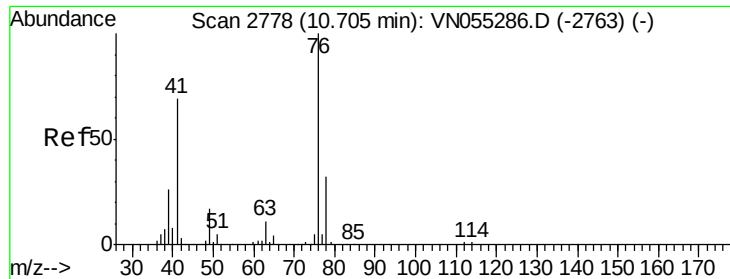
Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Tgt Ion:	69	Resp:	96785
Ion	Ratio	Lower	Upper
69	100		
41	77.1	62.7	94.1
39	41.2	32.0	48.0





#57

1,3-Dichloropropane

Concen: 19.776 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBSD01

Tgt Ion: 76 Resp: 137241

Ion Ratio Lower Upper

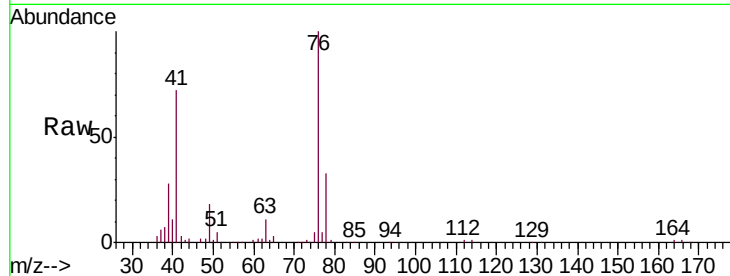
76 100

78 32.3 25.6 38.4

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN055286.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN055286.D (-2763) (-)

10.71

80000

60000

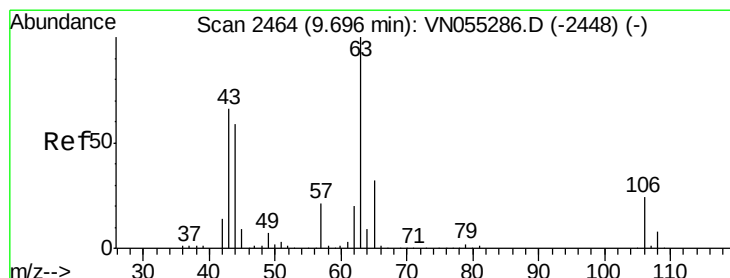
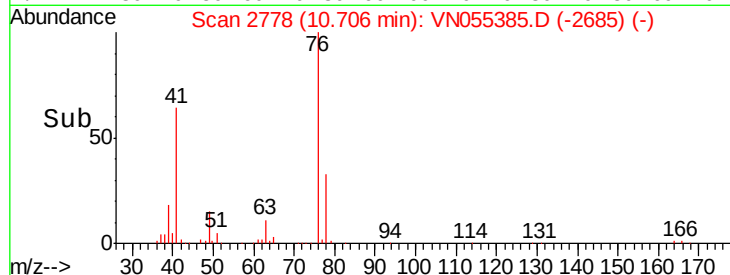
40000

20000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 74.291 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055385.D

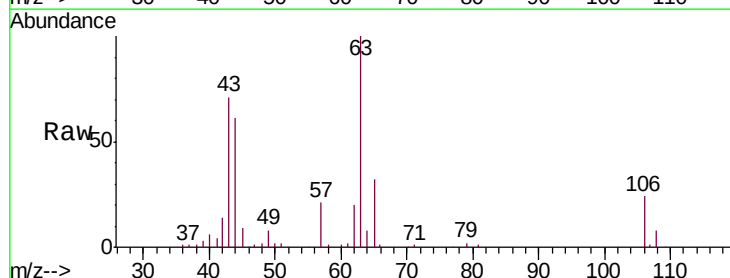
Acq: 3 May 2019 13:17

Tgt Ion: 63 Resp: 98401

Ion Ratio Lower Upper

63 100

106 23.3 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN055286.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN055286.D (-2448) (-)

9.70

60000

50000

40000

30000

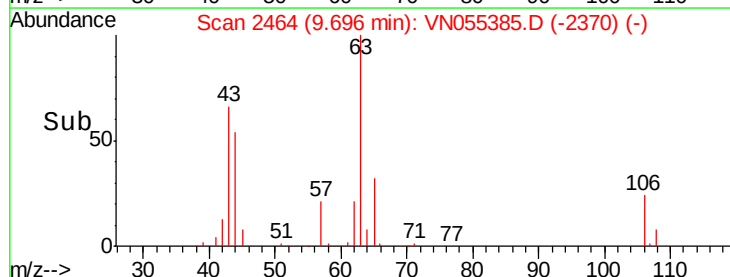
20000

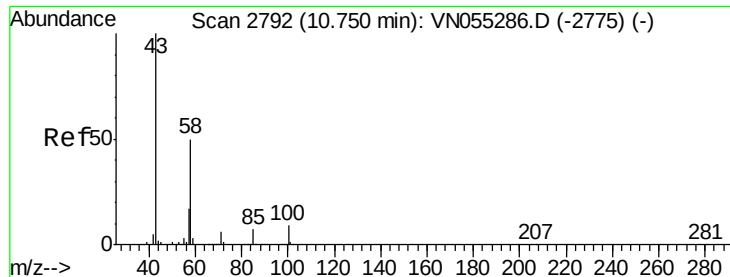
10000

0

Time-->

9.60 9.65 9.70 9.75 9.80





#59

2-Hexanone

Concen: 92.075 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0503MBS01

Tgt Ion: 43 Resp: 251615

Ion Ratio Lower Upper

43 100

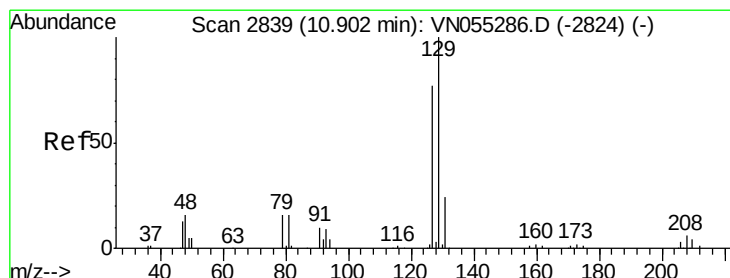
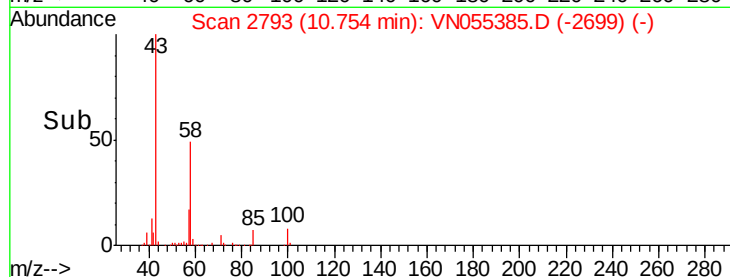
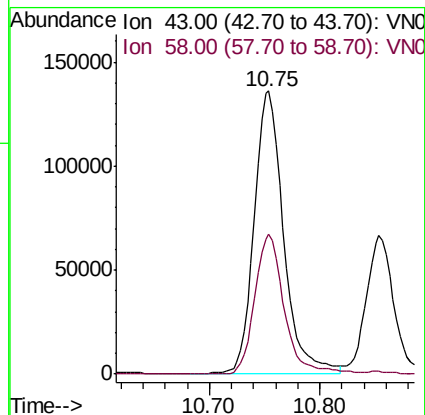
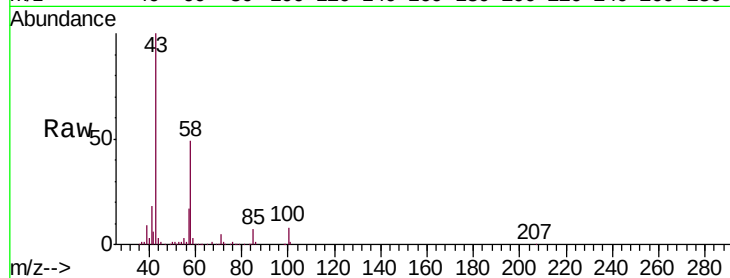
58 49.6 24.9 74.6

Manual Integrations

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#60

Dibromochloromethane

Concen: 19.548 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055385.D

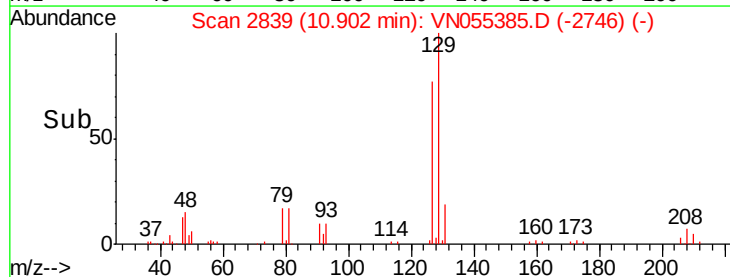
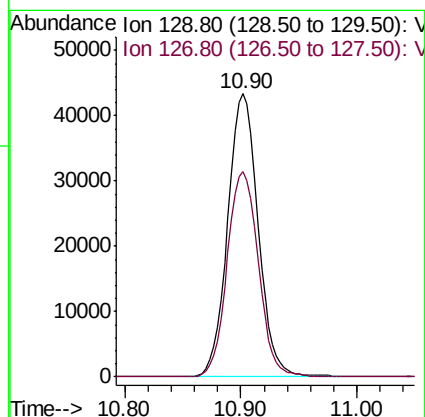
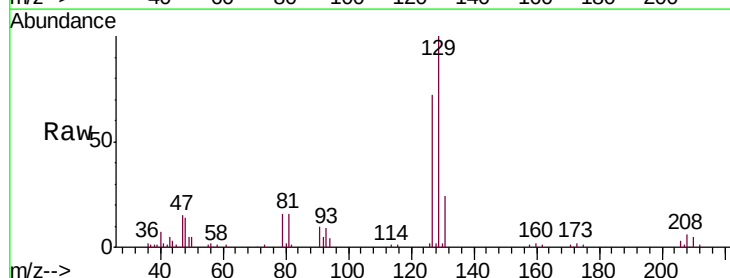
Acq: 3 May 2019 13:17

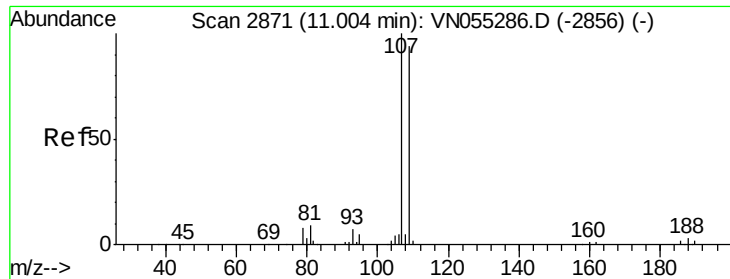
Tgt Ion: 129 Resp: 79034

Ion Ratio Lower Upper

129 100

127 74.3 38.1 114.5





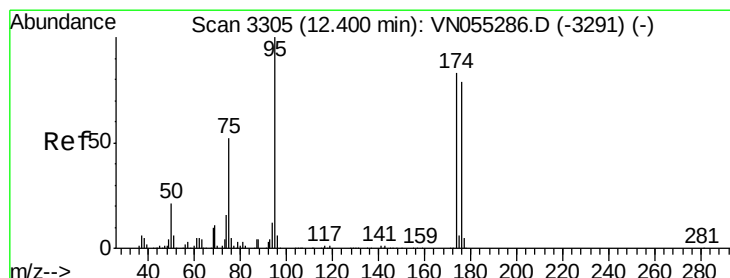
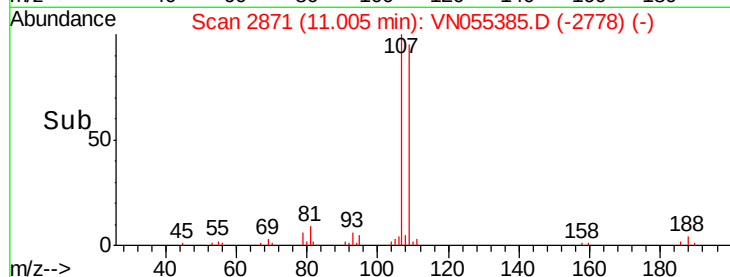
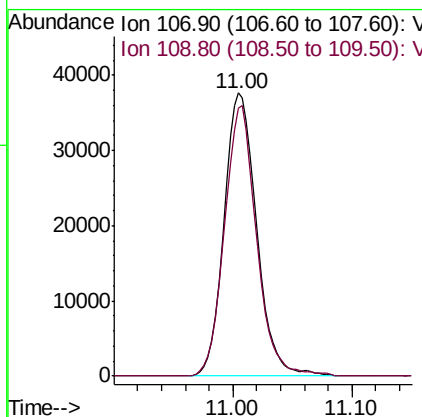
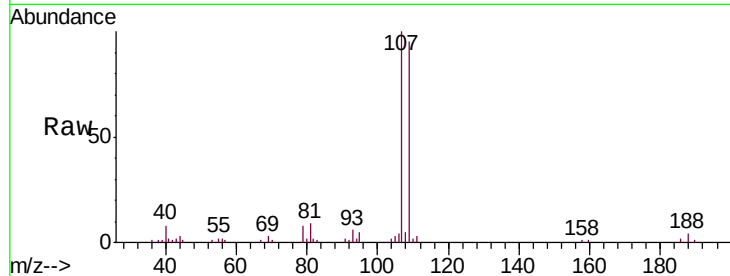
#61
1,2-Dibromoethane
Concen: 19.495 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

Tgt Ion: 107 Resp: 71281
Ion Ratio Lower Upper
107 100
109 94.3 75.0 112.6

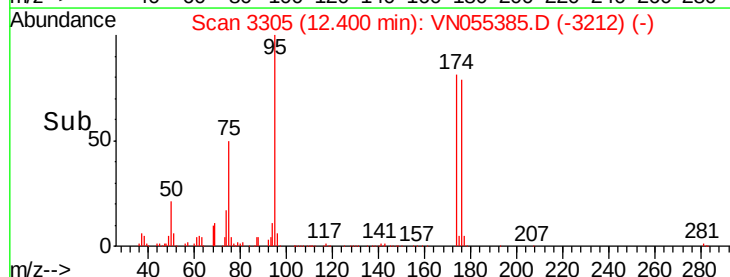
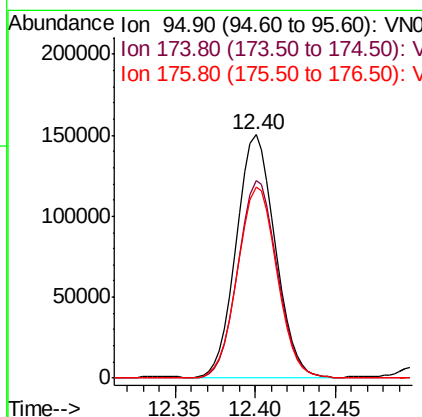
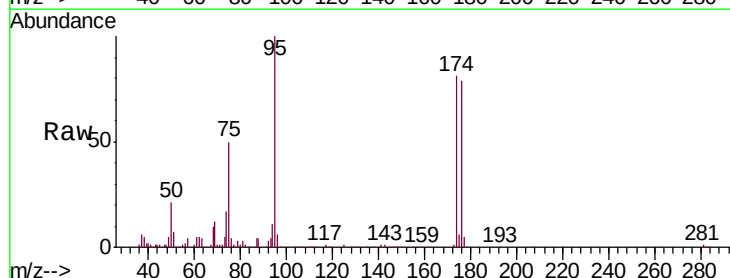
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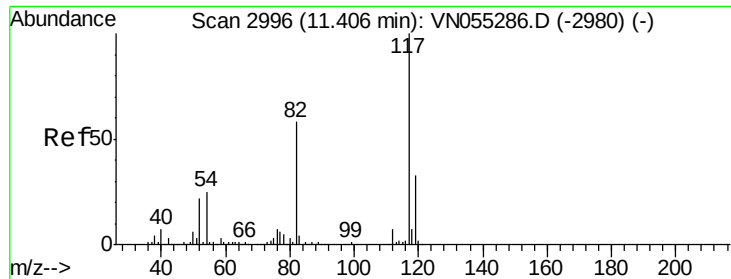
MMDadoda
5/6/2019 10:48:09 AM



#62
4-Bromofluorobenzene
Concen: 50.845 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion: 95 Resp: 247649
Ion Ratio Lower Upper
95 100
174 82.6 0.0 166.6
176 80.4 0.0 157.8





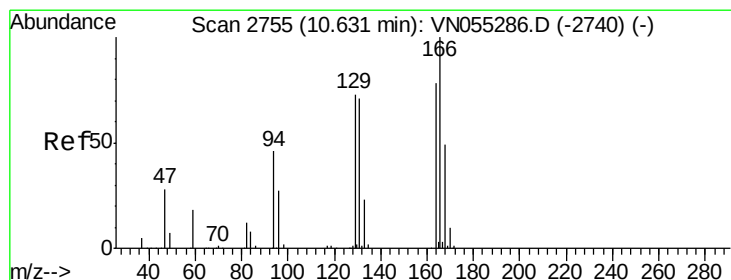
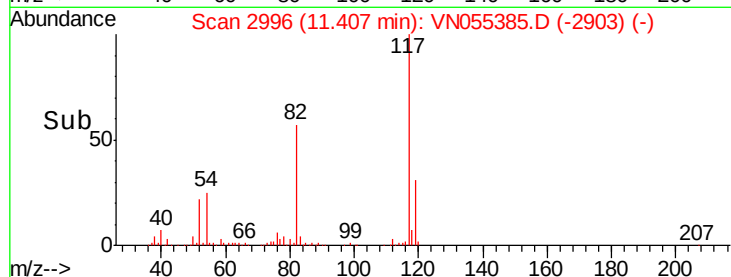
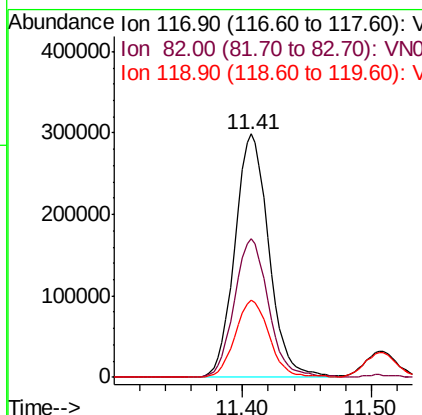
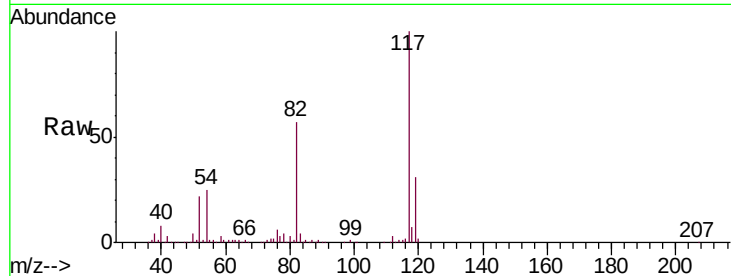
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	547859		
82	57.1	46.2	69.4	
119	31.5	26.6	40.0	

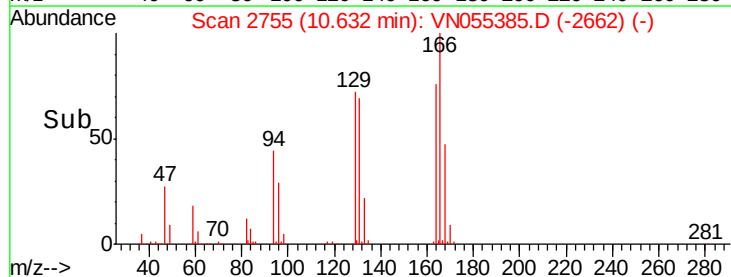
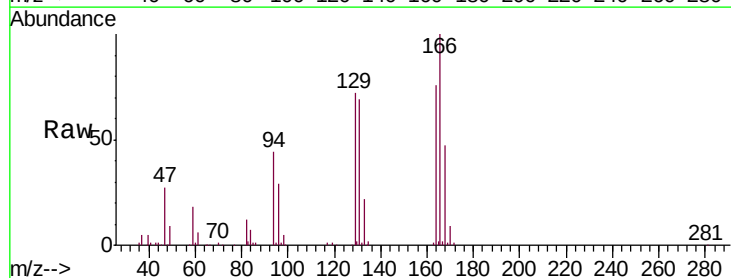
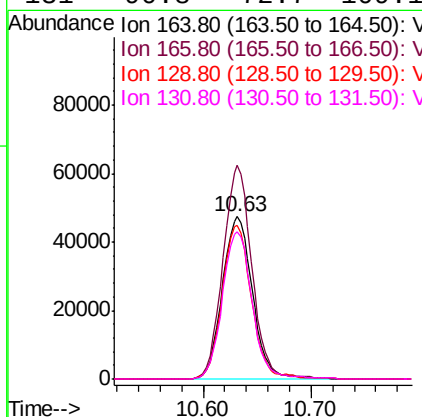
Manual Integrations
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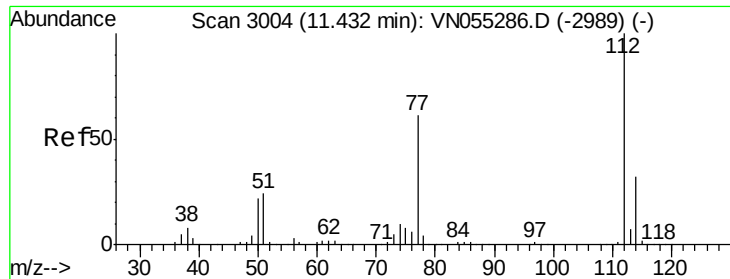
MMDadoda
5/6/2019 10:48:09 AM



#64
Tetrachloroethene
Concen: 20.566 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92143		
166	131.6	102.3	153.5	
129	94.9	75.0	112.6	
131	90.8	72.7	109.1	





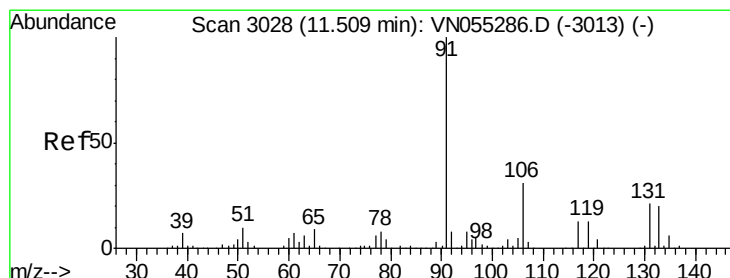
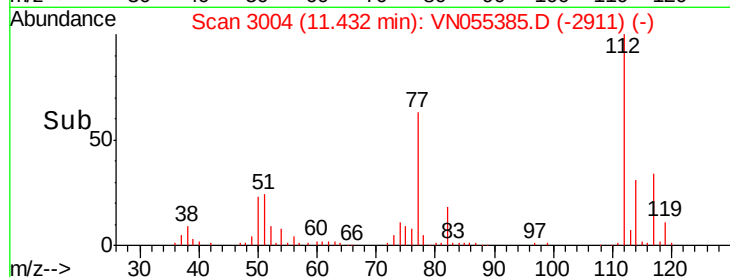
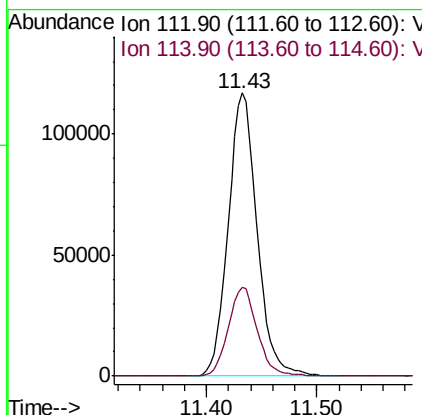
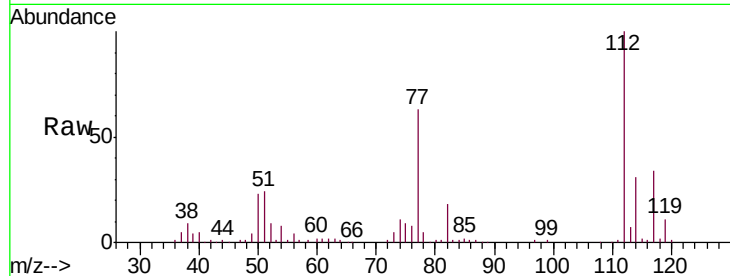
#65
Chlorobenzene
Concen: 19.816 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0503MBSD01

Tgt Ion:112 Resp: 212260
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9

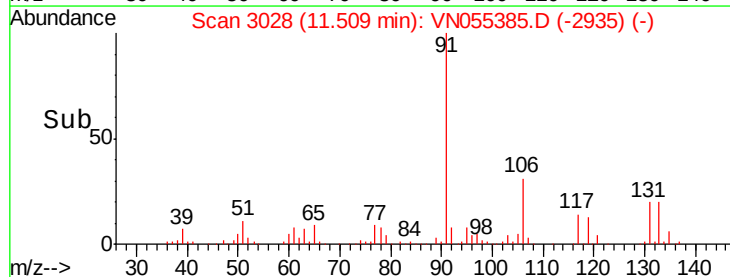
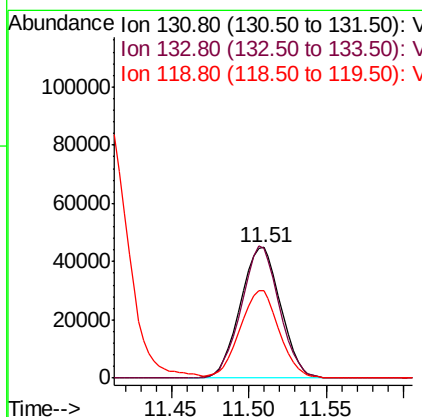
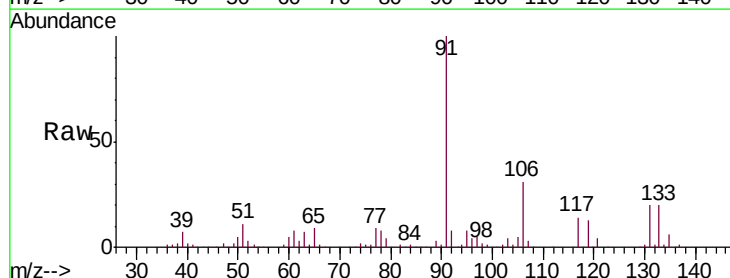
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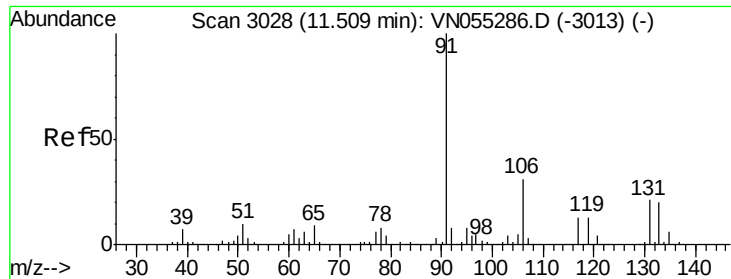
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.408 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion:131 Resp: 81401
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 65.2 32.7 98.1





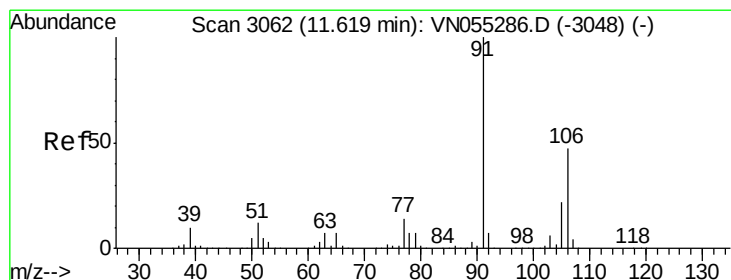
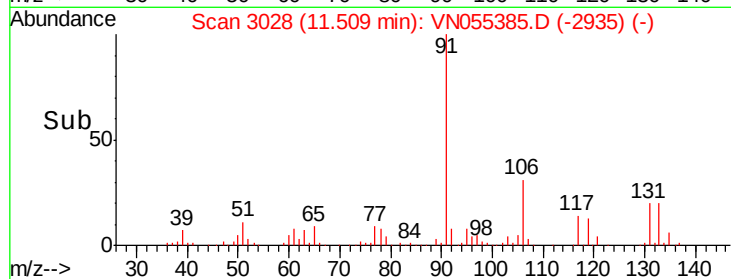
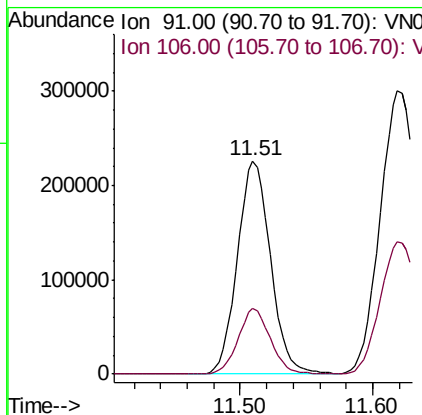
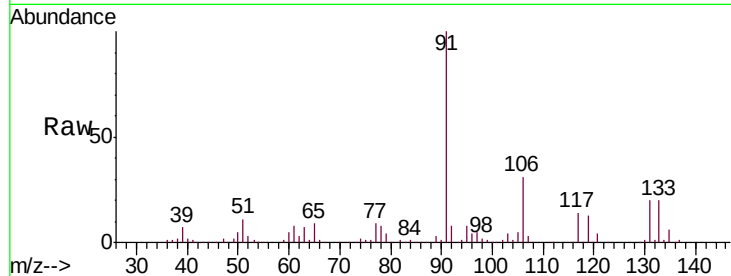
#67
Ethyl Benzene
Concen: 20.294 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0503MBSD01

Tgt Ion: 91 Resp: 392546
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8

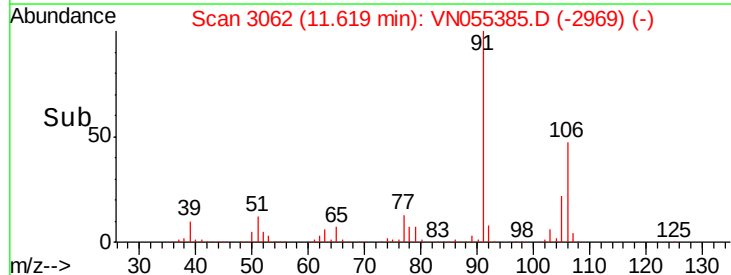
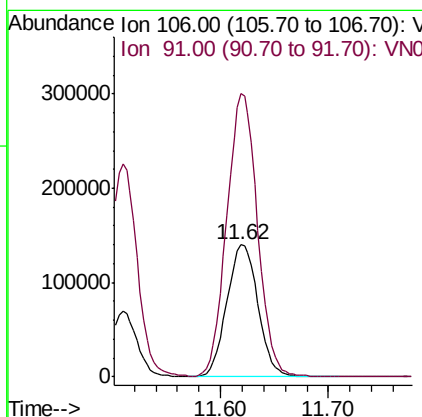
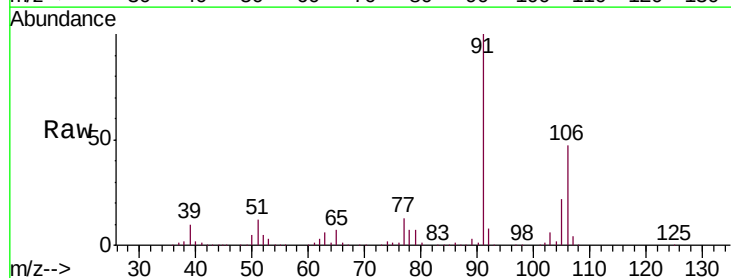
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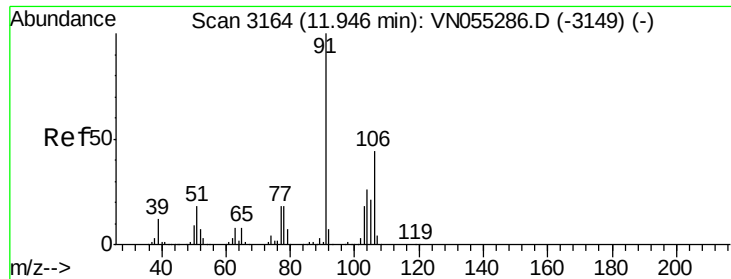
MMDadoda
5/6/2019 10:48:09 AM



#68
m/p-Xylenes
Concen: 40.916 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion: 106 Resp: 282491
Ion Ratio Lower Upper
106 100
91 210.9 169.5 254.3





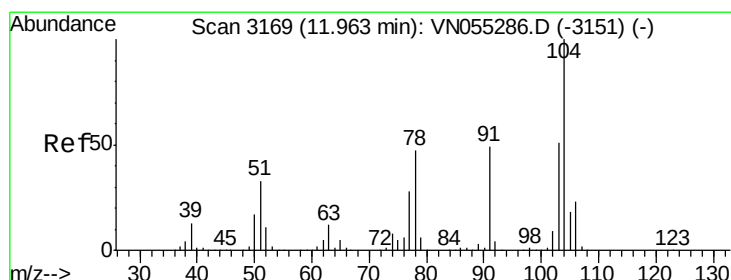
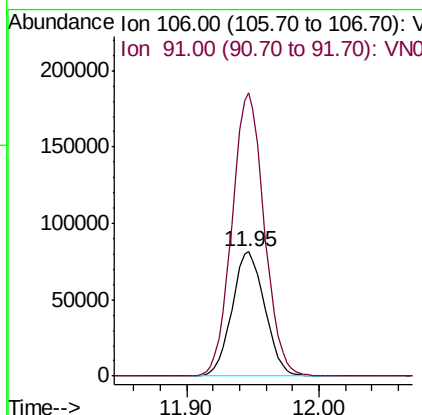
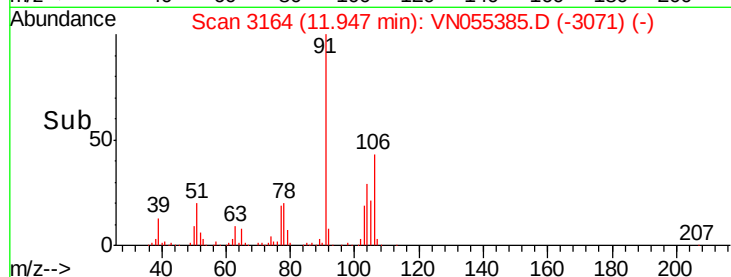
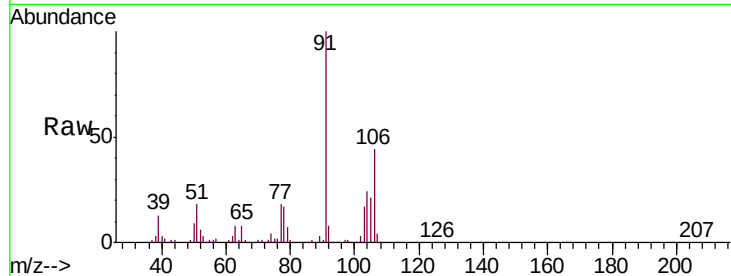
#69
o-Xylene
Concen: 20.510 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

Tgt Ion:106 Resp: 140355
Ion Ratio Lower Upper
106 100
91 223.3 111.5 334.5

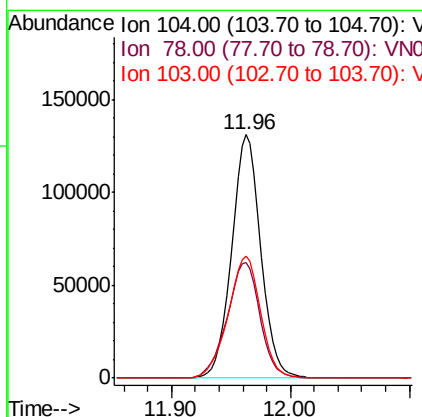
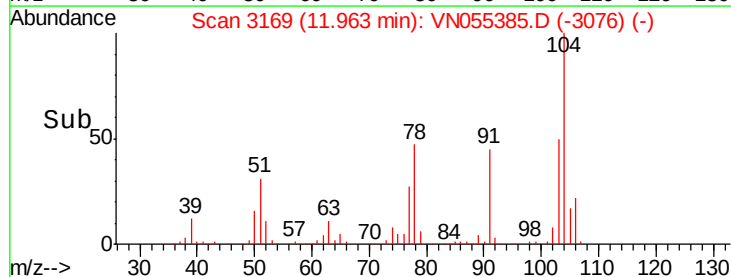
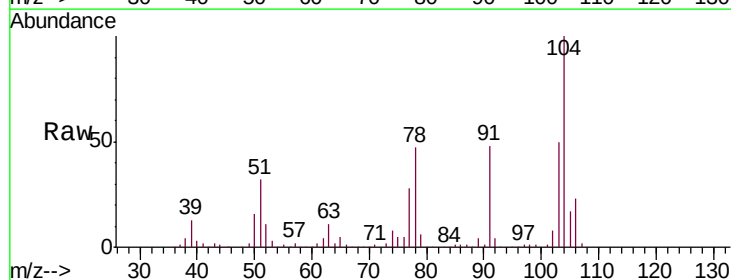
Manual Integrations
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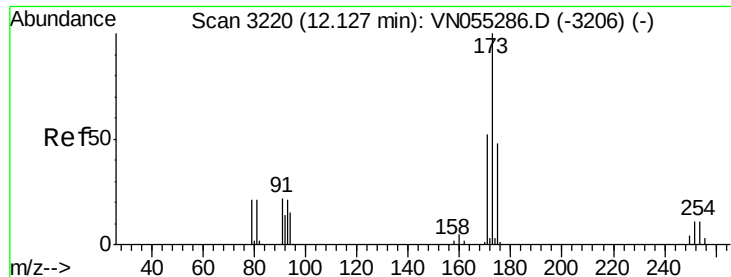
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#70
Styrene
Concen: 21.082 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion:104 Resp: 221515
Ion Ratio Lower Upper
104 100
78 54.0 42.2 63.2
103 56.1 44.6 67.0





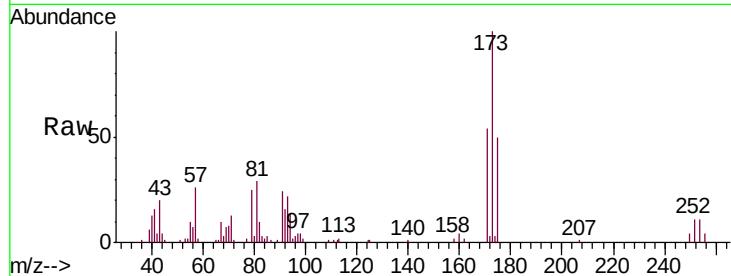
#71
Bromoform
Concen: 19.113 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0503MBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.6	71.0
254	0.0	0.0	0.0

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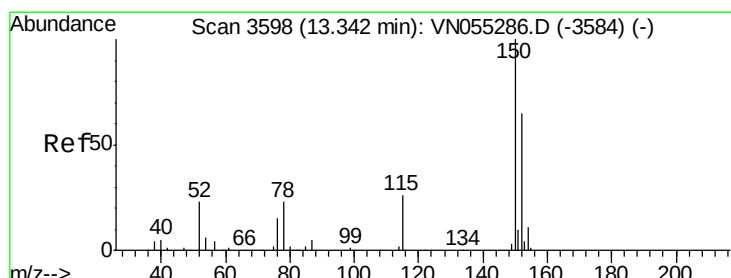
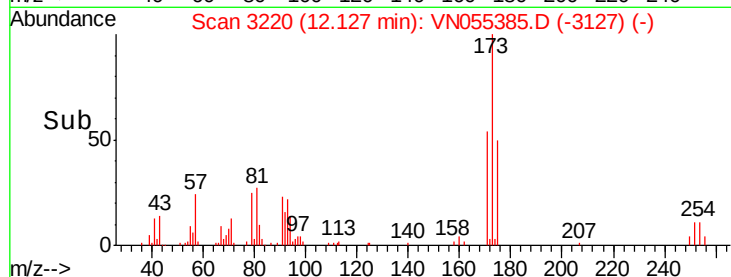
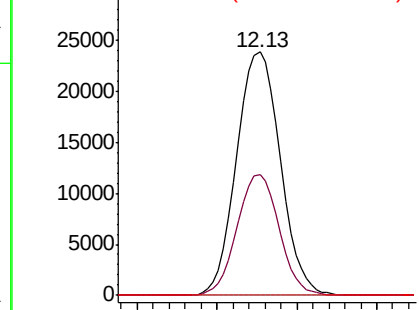


Abundance

Ion 172.70 (172.40 to 173.40): V

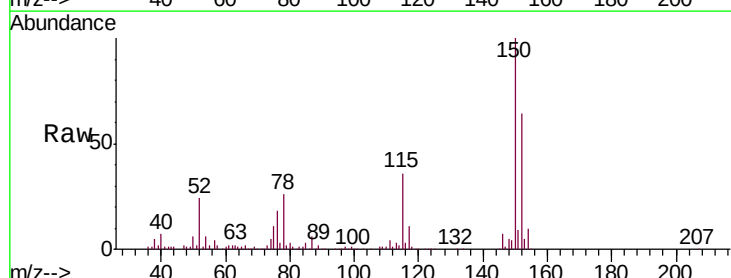
Ion 174.70 (174.40 to 175.40): V

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: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.0	87.0
150	161.1	0.0	345.6

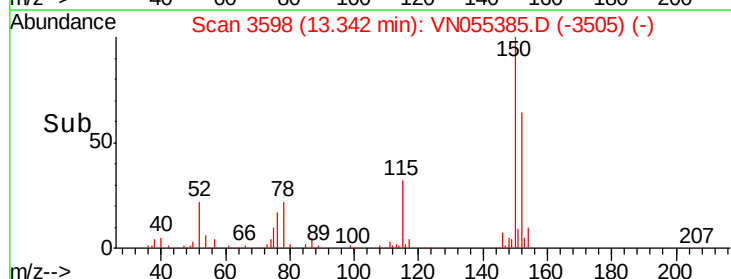
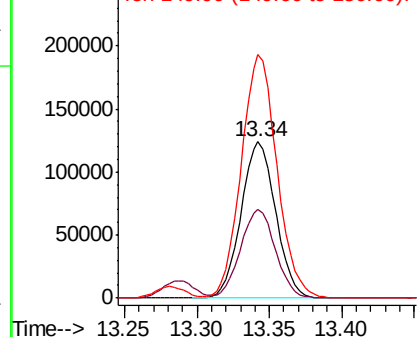


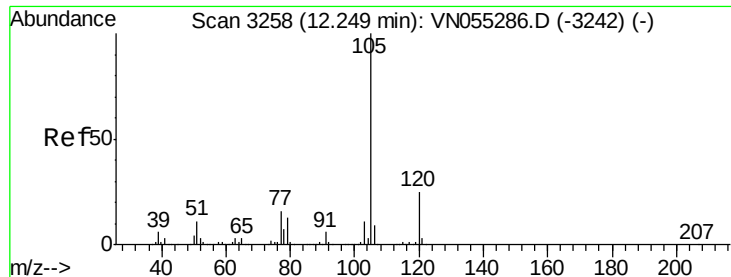
Abundance

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: 21.629 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0503MBSD01

Tgt Ion: 105 Resp: 382136

Ion Ratio Lower Upper

105 100

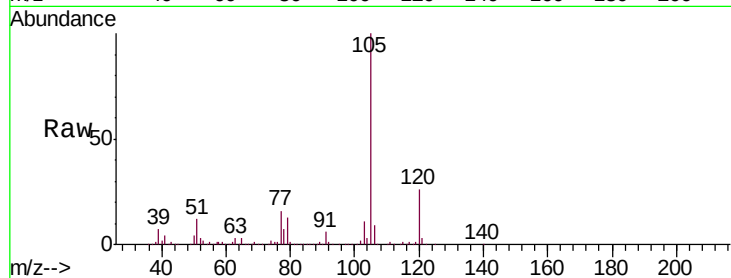
120 26.0 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

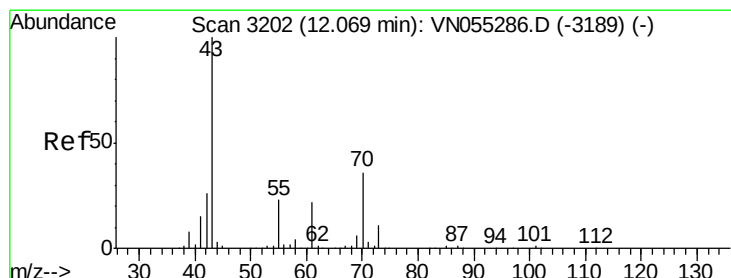
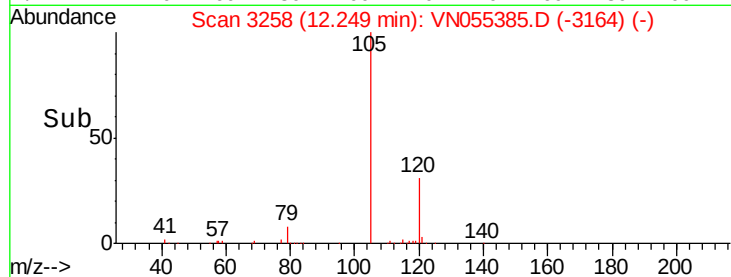
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 21.112 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Tgt Ion: 43 Resp: 111093

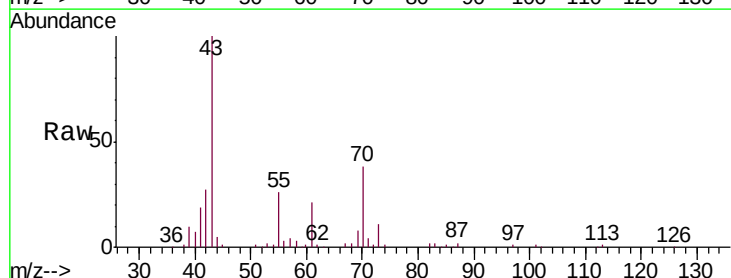
Ion Ratio Lower Upper

43 100

70 32.7 27.9 41.9

55 26.3 18.2 27.2

61 18.1 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

20000

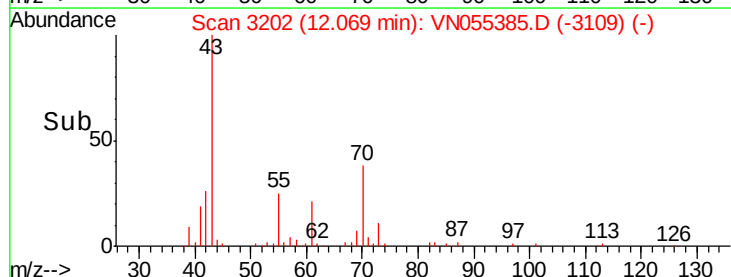
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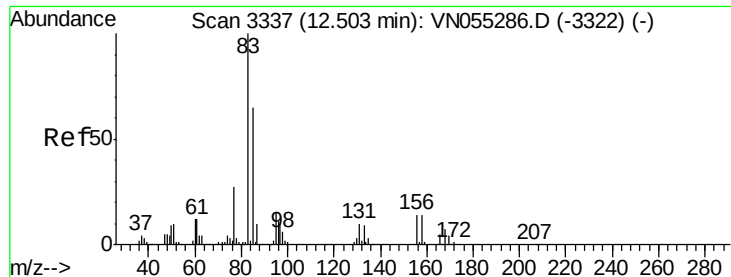
12.00

12.05

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.269 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

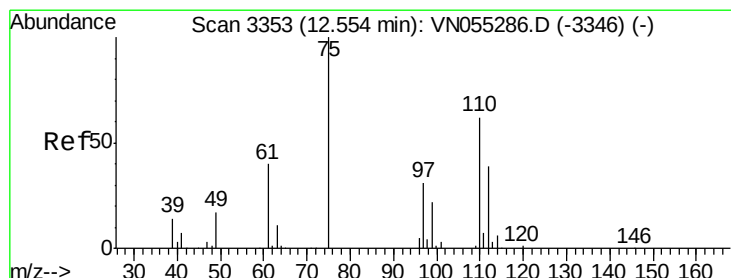
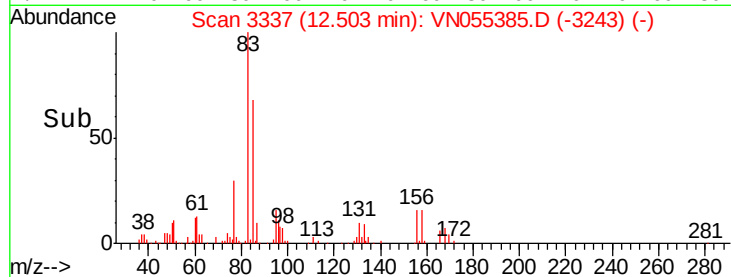
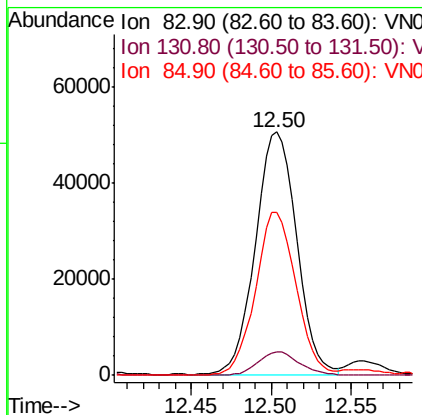
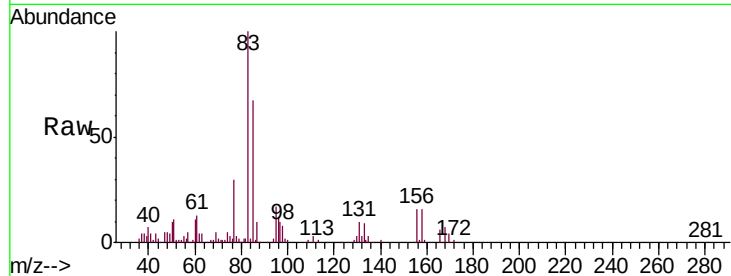
ClientSampled :

VN0503MBSD01

Tgt Ion:	83	Resp:	90024
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.2
85	66.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.632 ug/l m

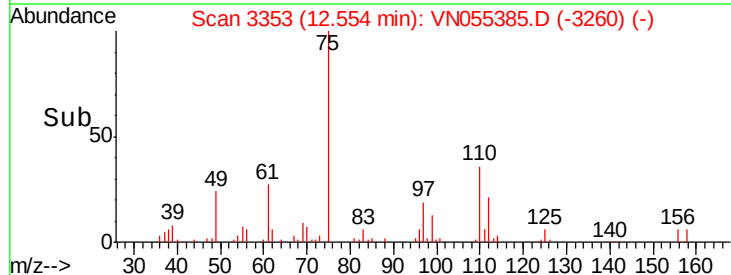
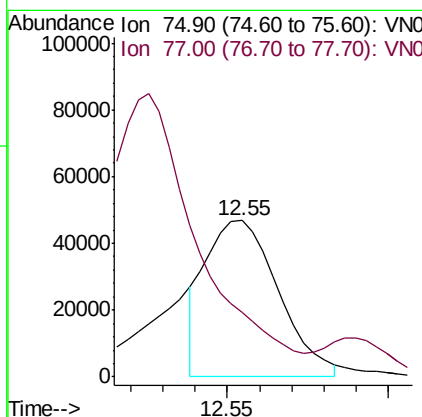
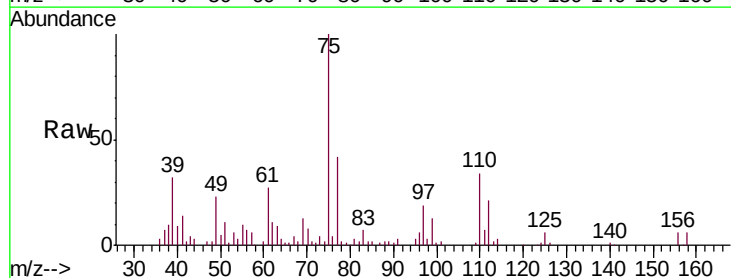
RT: 12.55 min Scan# 3353

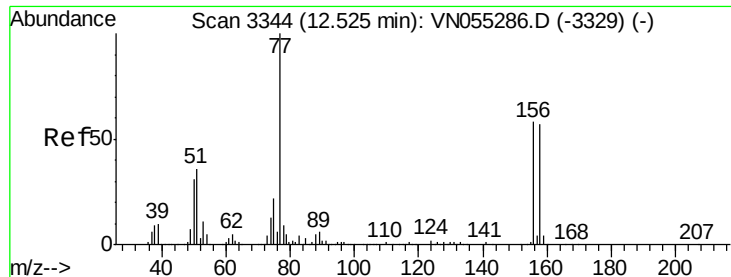
Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Tgt Ion:	75	Resp:	73407
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.457 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

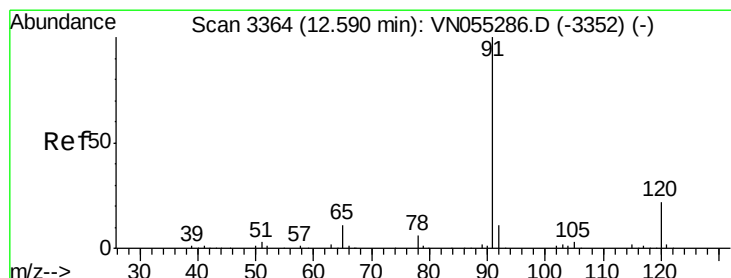
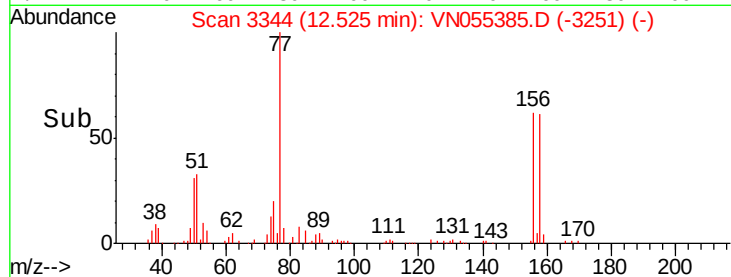
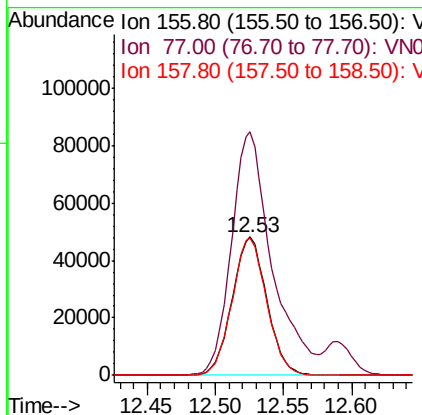
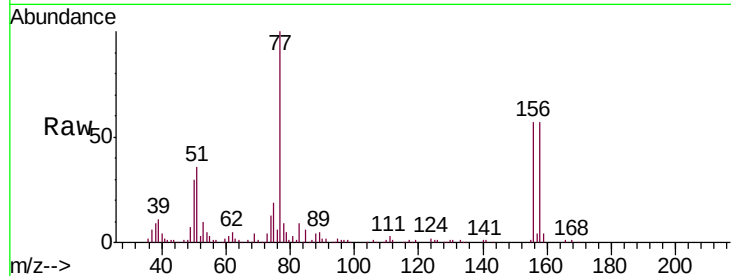
ClientSampled :

VN0503MBSD01

Tgt Ion:	156	Resp:	85110
Ion Ratio	Lower	Upper	
156	100		
77	205.1	99.6	298.8
158	98.6	49.3	147.8

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#78

n-propylbenzene

Concen: 19.720 ug/l

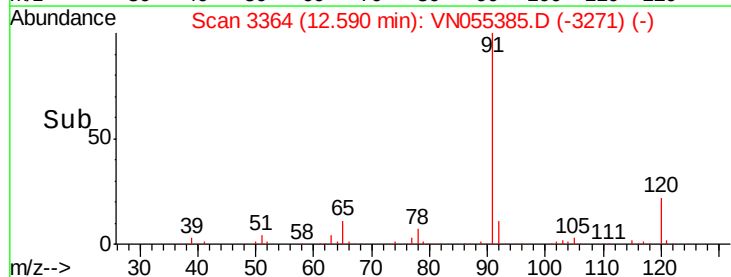
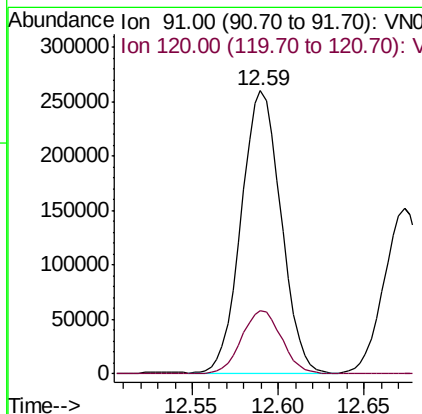
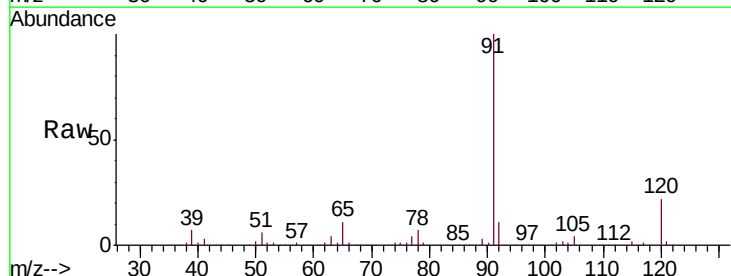
RT: 12.59 min Scan# 3364

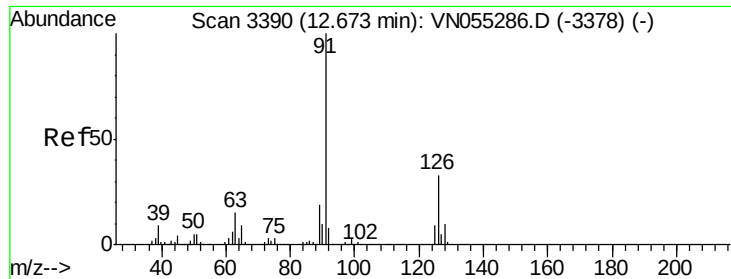
Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Tgt Ion:	91	Resp:	415333
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.0	33.0





#79

2-Chlorotoluene

Concen: 21.404 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0503MBSD01

Tgt Ion: 91 Resp: 254762

Ion Ratio Lower Upper

91 100

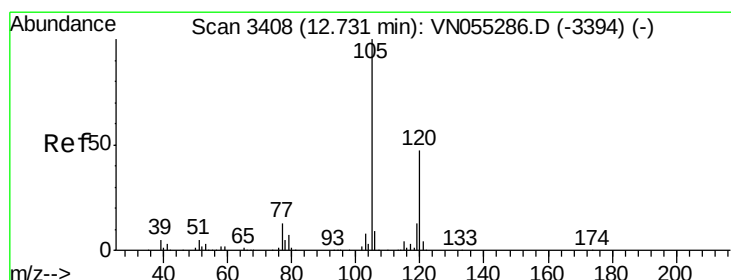
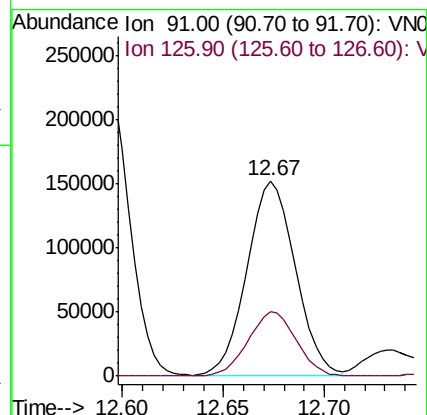
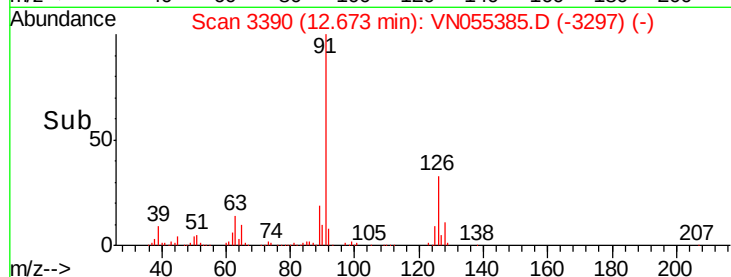
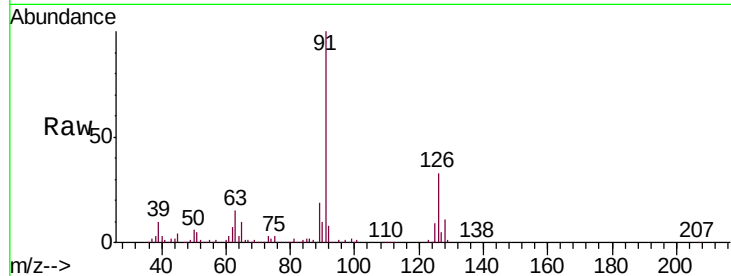
126 33.0 16.6 49.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.172 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055385.D

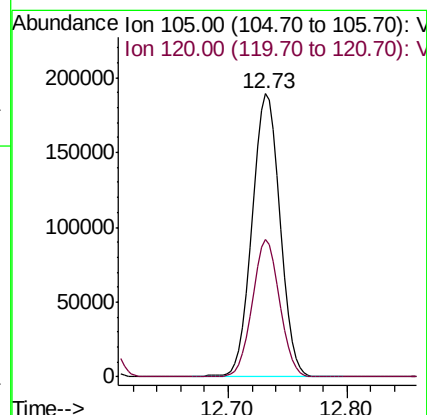
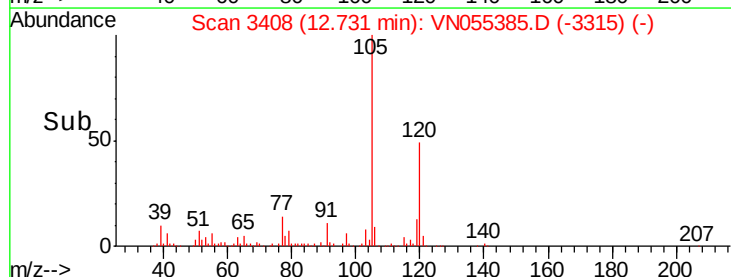
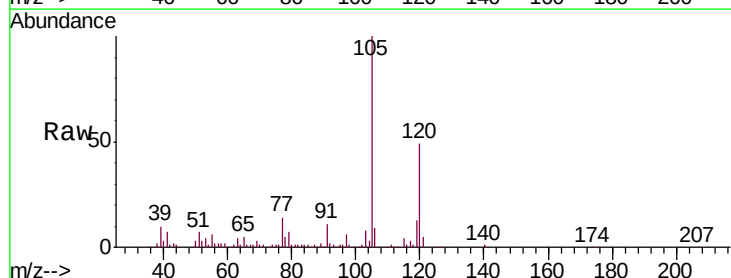
Acq: 3 May 2019 13:17

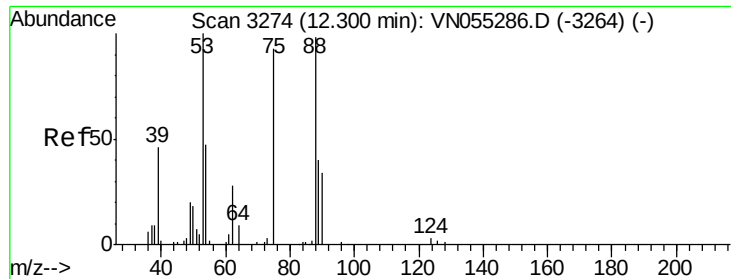
Tgt Ion: 105 Resp: 308178

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0





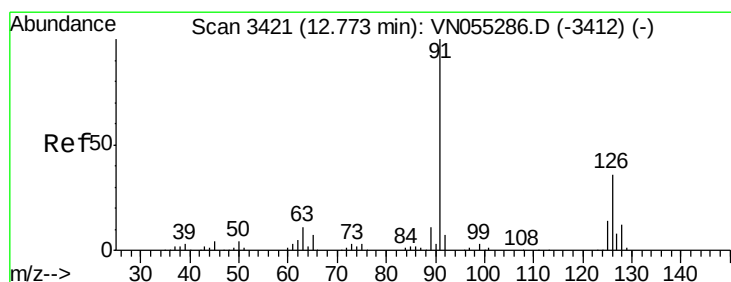
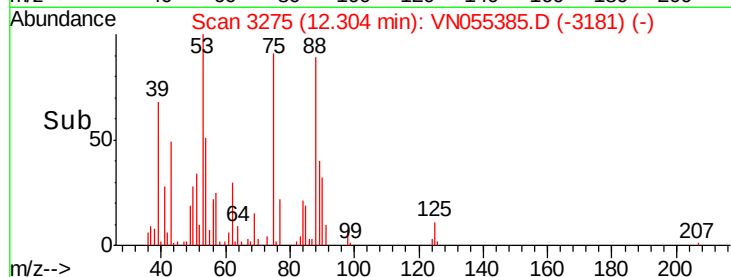
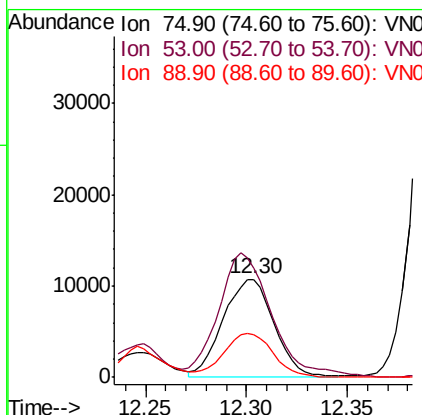
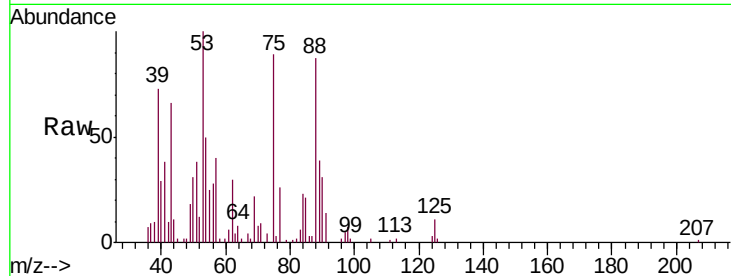
#81
trans-1,4-Dichloro-2-butene
Concen: 17.654 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0503MBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	132.5	86.3	129.5#
89	42.9	34.6	51.8

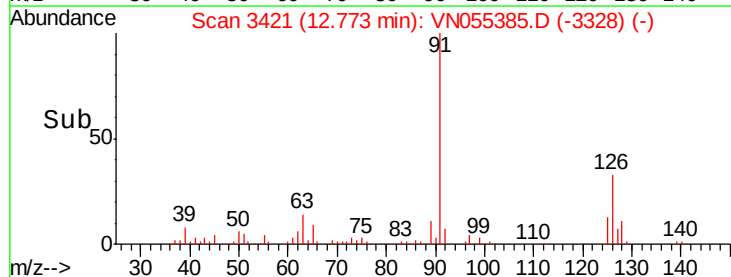
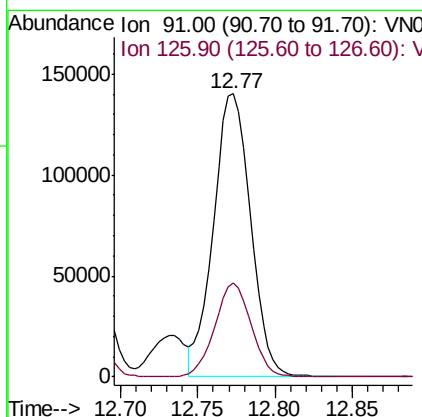
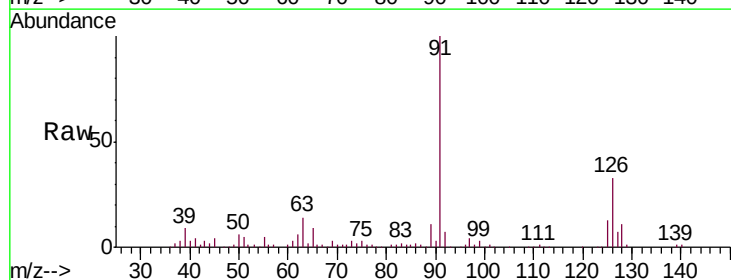
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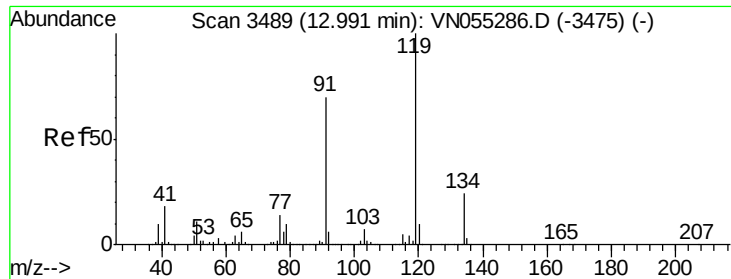
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.086 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.6	49.7





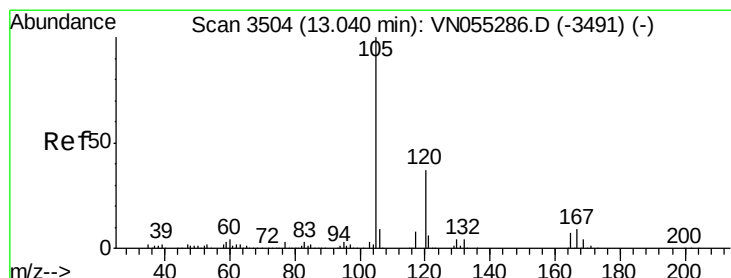
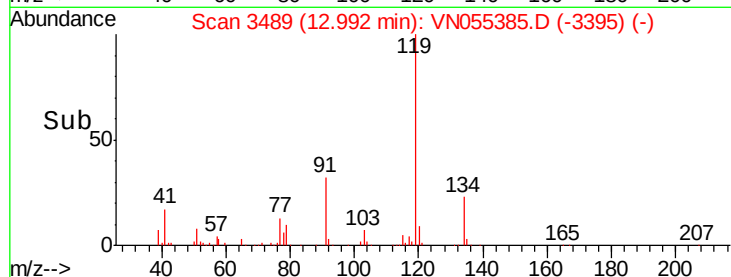
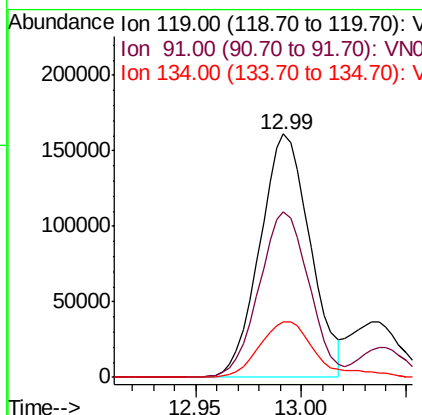
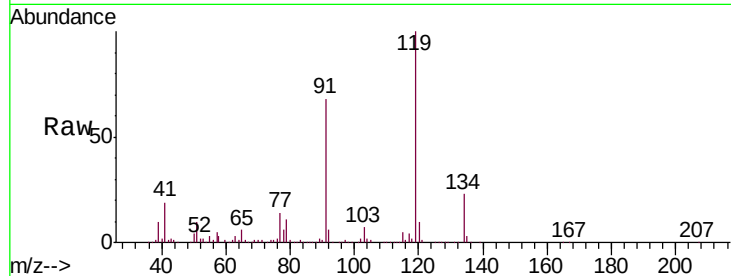
#83
 tert-Butylbenzene
 Concen: 21.849 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503MBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.3	102.9
134	25.8	13.1	39.3

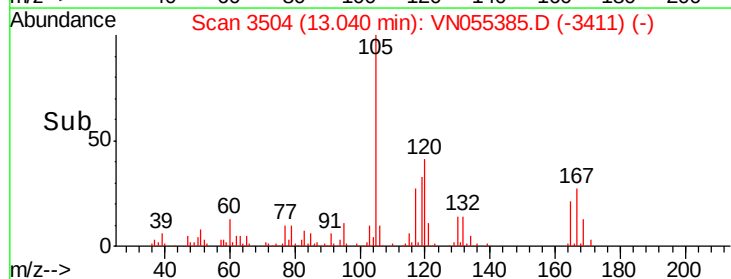
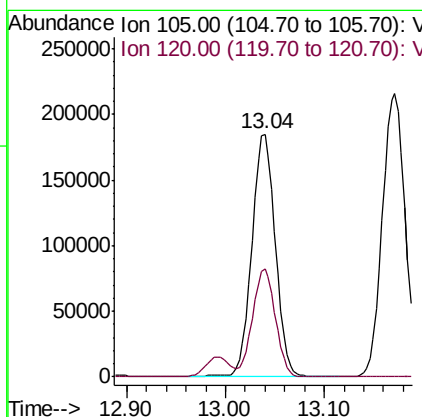
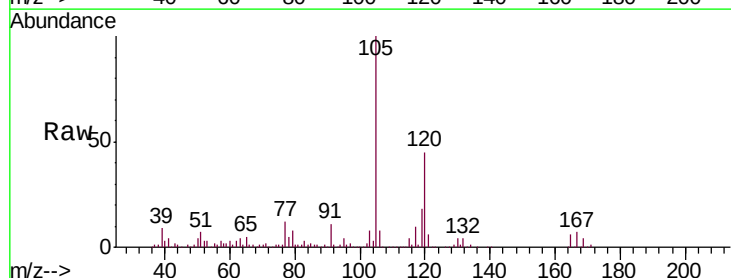
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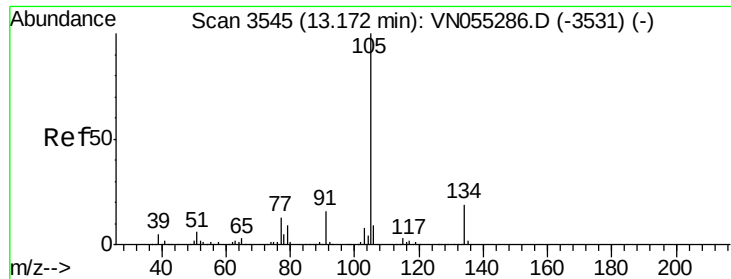
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.052 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.897 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBSD01

Tgt Ion:105 Resp: 347613

Ion Ratio Lower Upper

105 100

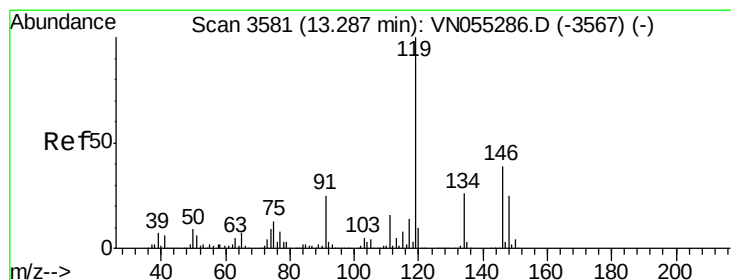
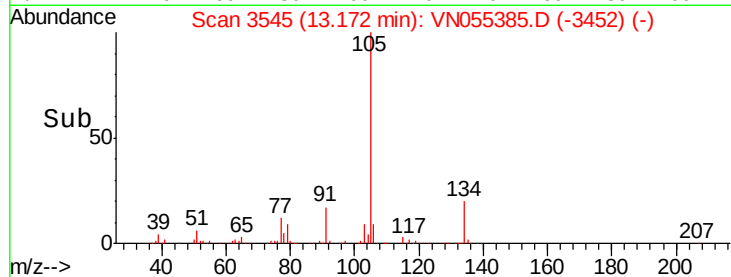
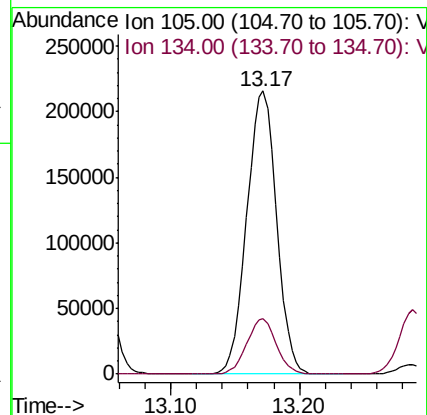
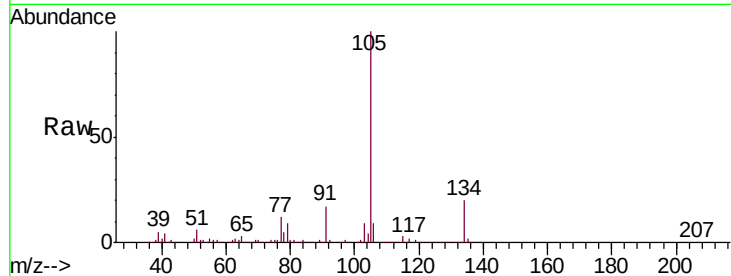
134 19.3 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 19.988 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

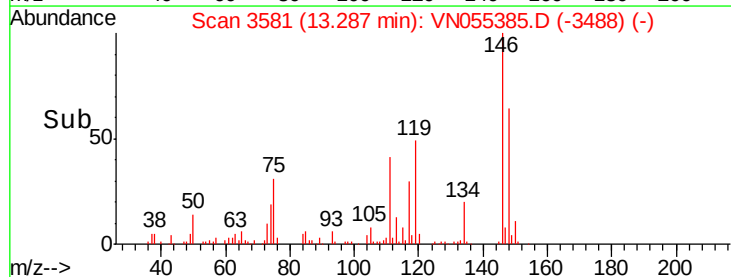
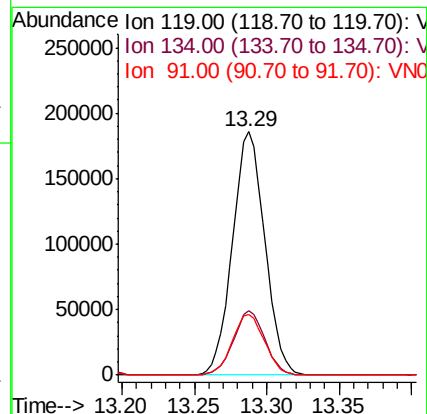
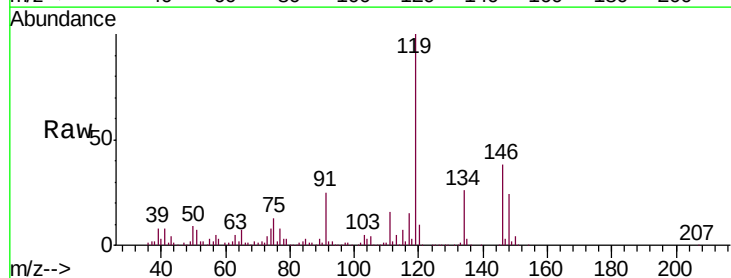
Tgt Ion:119 Resp: 287016

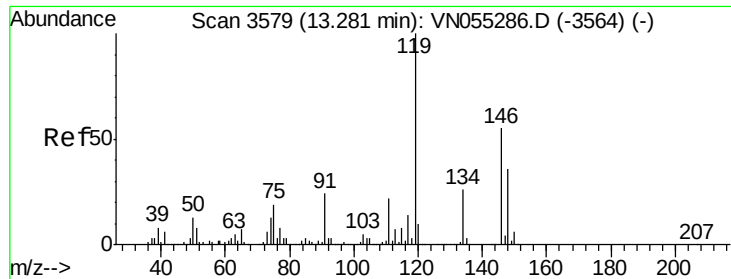
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 24.6 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.295 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

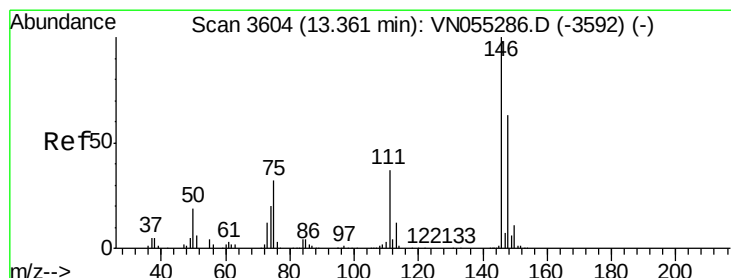
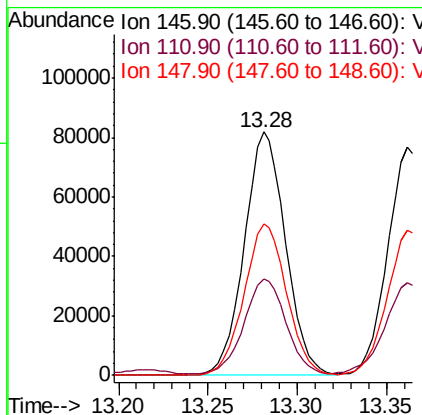
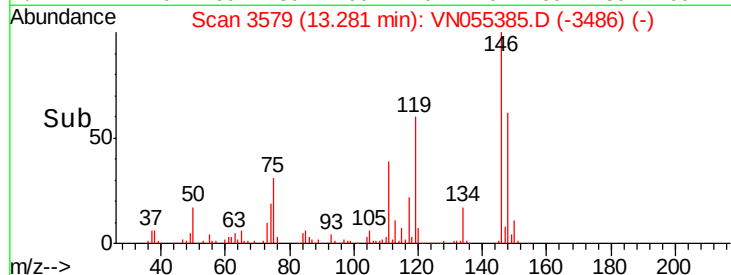
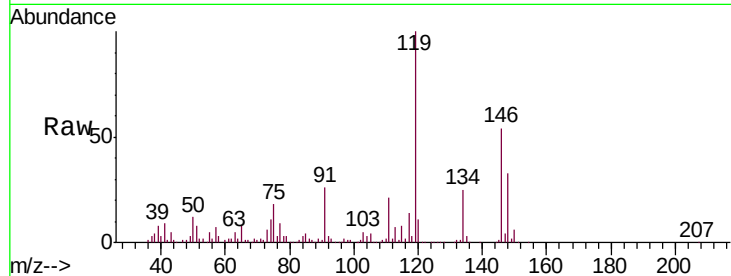
ClientSampled :

VN0503MBSD01

Tgt Ion:	146	Resp:	132384
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.3	60.8
148	63.9	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 19.282 ug/l

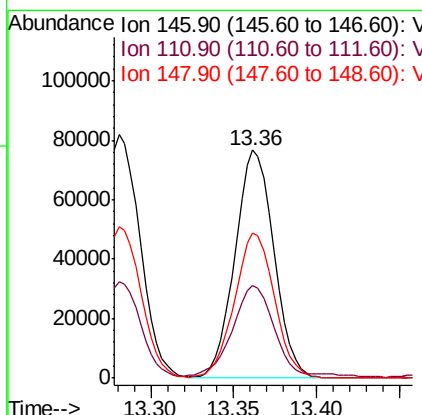
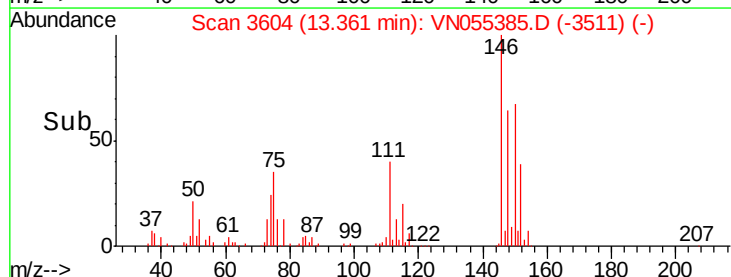
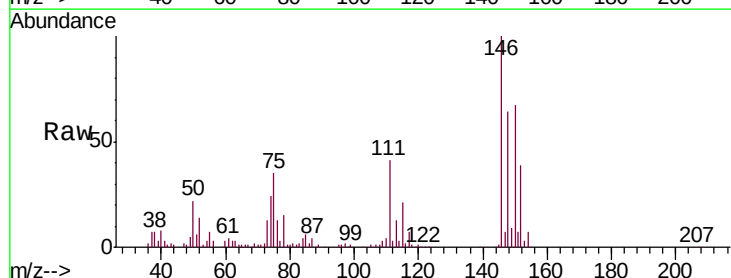
RT: 13.36 min Scan# 3604

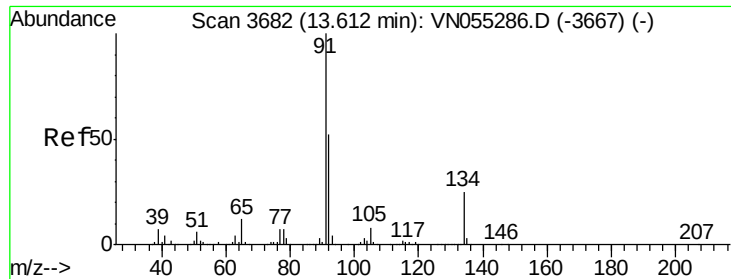
Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Tgt Ion:	146	Resp:	124584
Ion Ratio	Lower	Upper	
146	100		
111	41.4	19.5	58.5
148	65.6	32.5	97.4





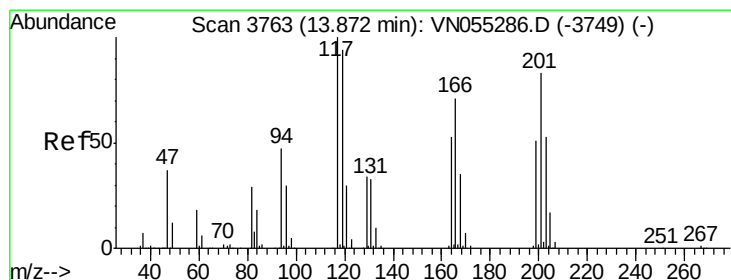
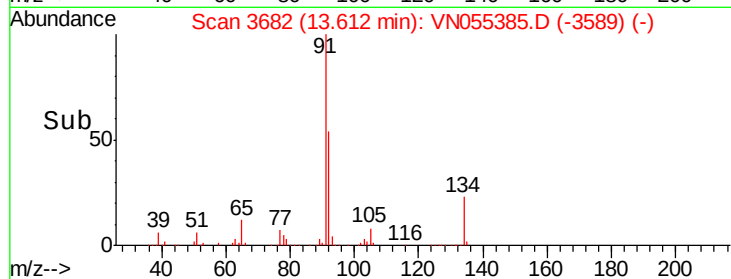
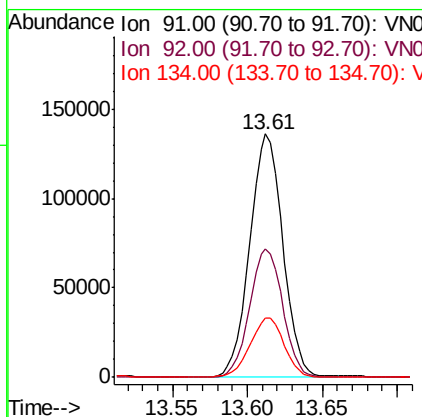
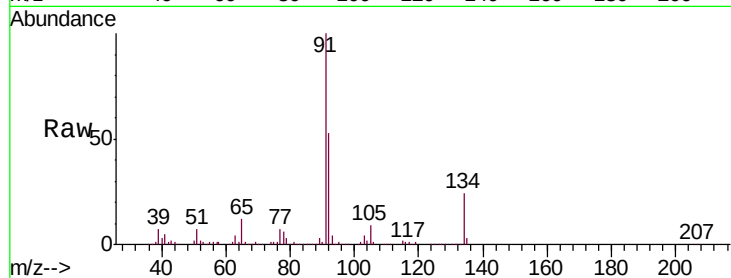
#89
n-Butylbenzene
Concen: 20.523 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0503MBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.1	78.3
134	25.3	12.4	37.4

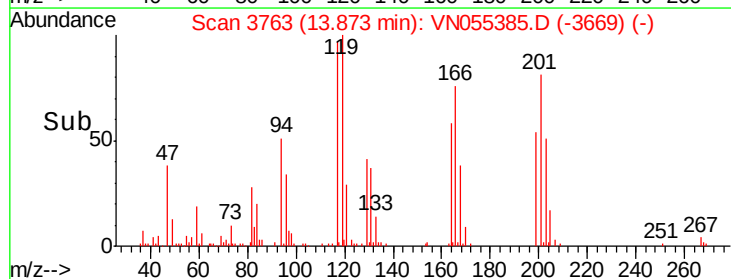
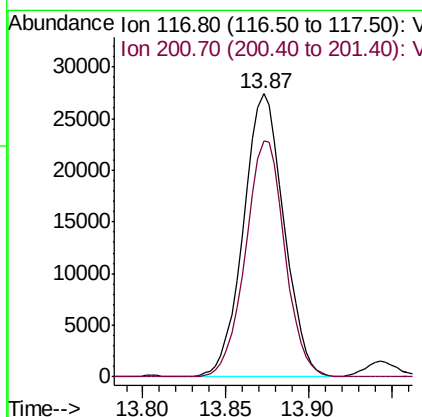
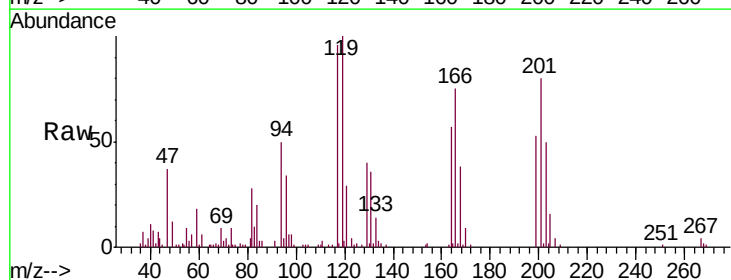
Manual Integrations
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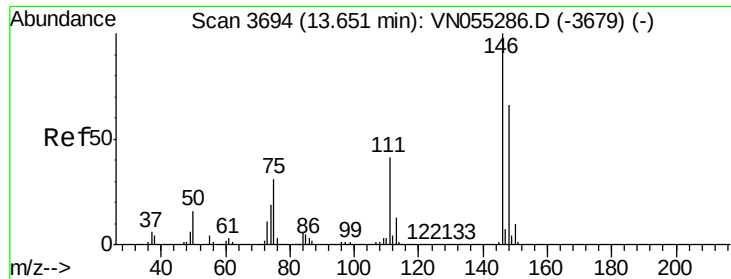
MMDadoda
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#90
Hexachloroethane
Concen: 19.510 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055385.D
Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	41.9	125.8





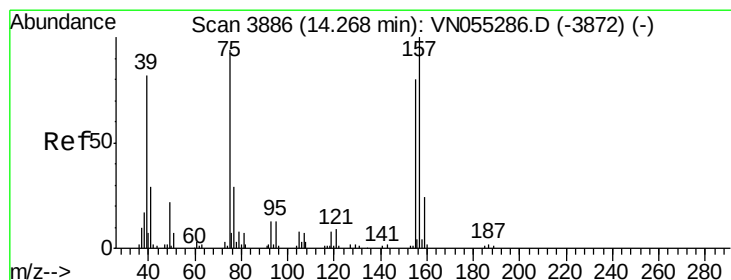
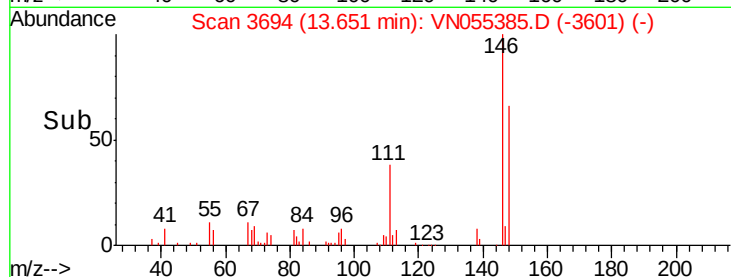
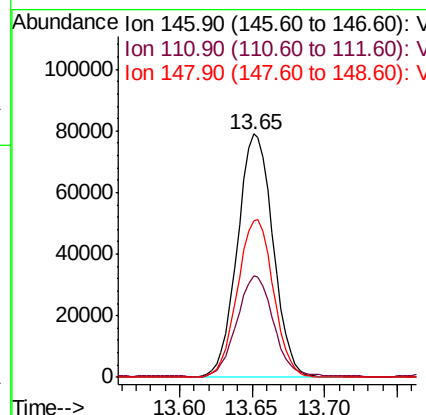
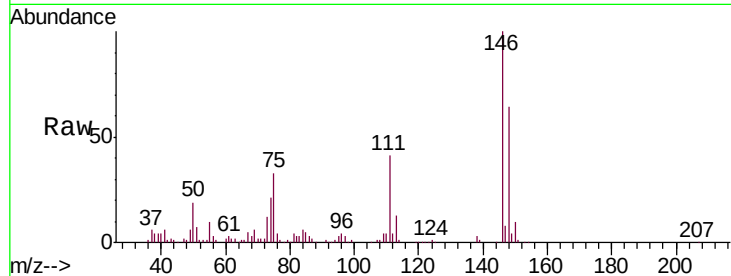
#91
 1,2-Dichlorobenzene
 Concen: 19.874 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503MBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.3	61.0
148	65.3	32.4	97.2

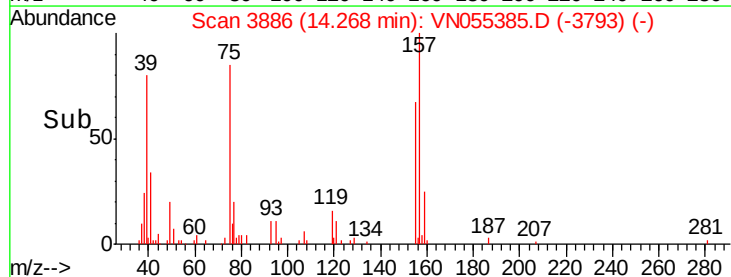
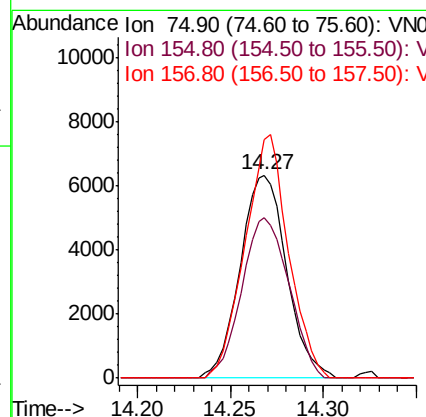
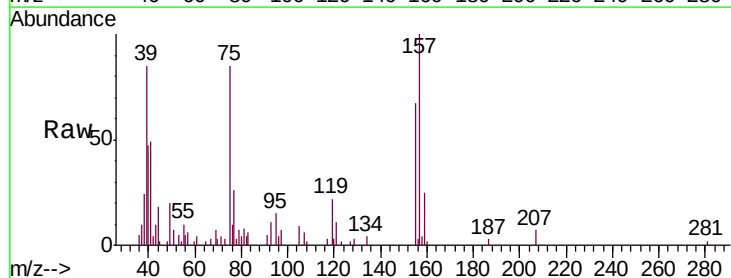
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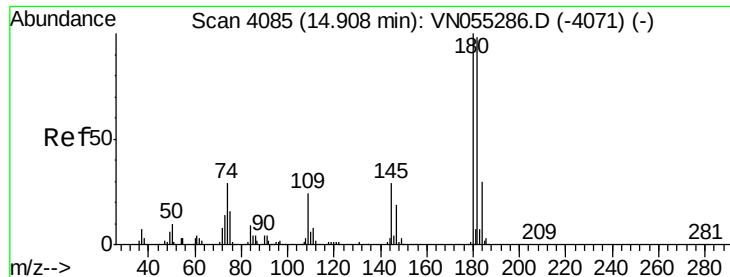
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.450 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	41.5	124.6
157	112.0	54.0	162.2





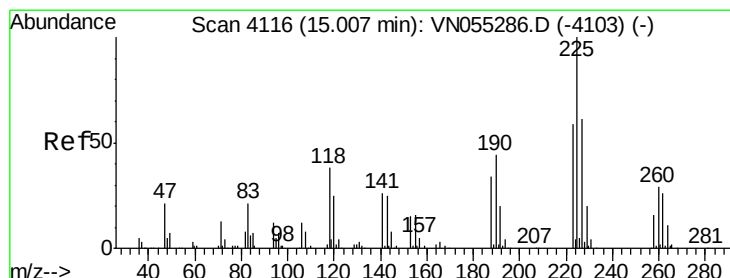
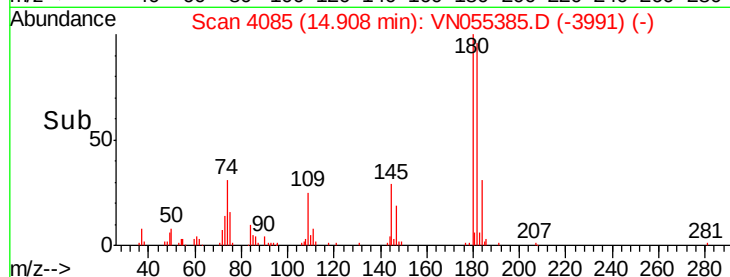
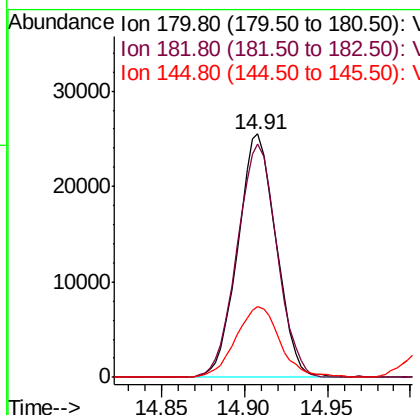
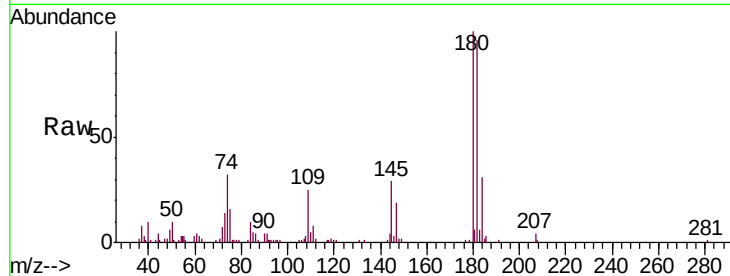
#93
 1,2,4-Trichlorobenzene
 Concen: 17.563 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	40916		
182	99.8	48.3	144.9	
145	33.5	14.2	42.6	

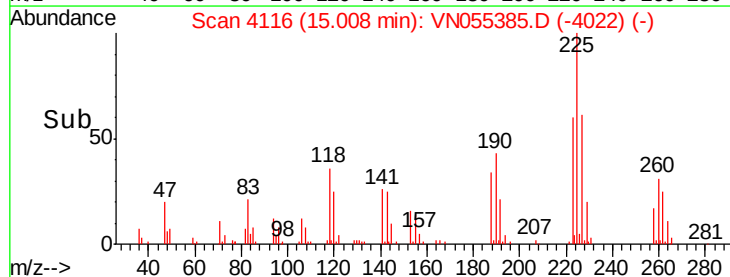
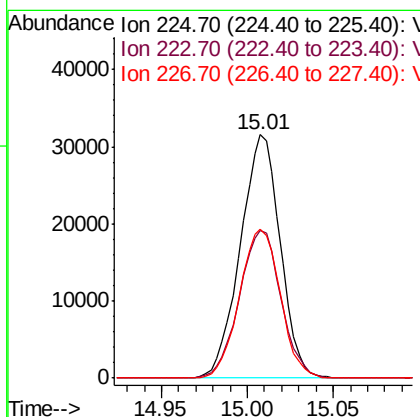
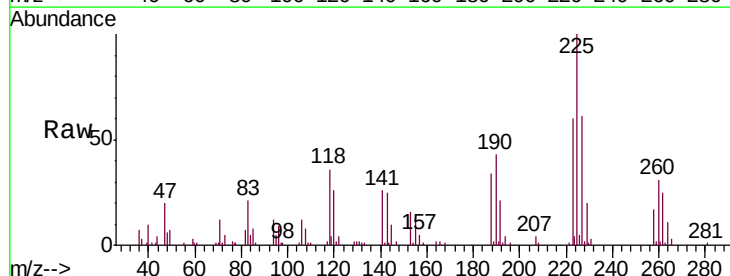
Manual Integrations
 APPROVED

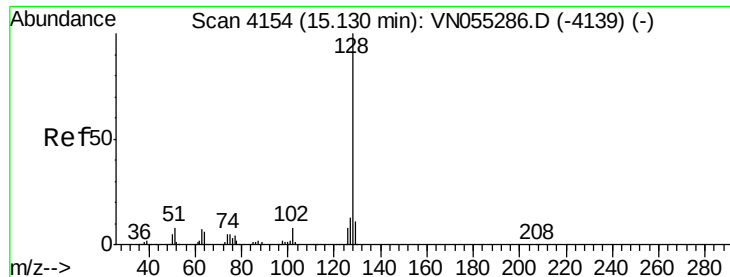
MMDadoda
 5/6/2019 10:48:09 AM



#94
 Hexachlorobutadiene
 Concen: 23.297 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055385.D
 Acq: 3 May 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50729		
223	63.2	30.3	90.8	
227	62.3	30.9	92.7	





#95

Naphthalene

Concen: 17.063 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Instrument :

MSVOA_N

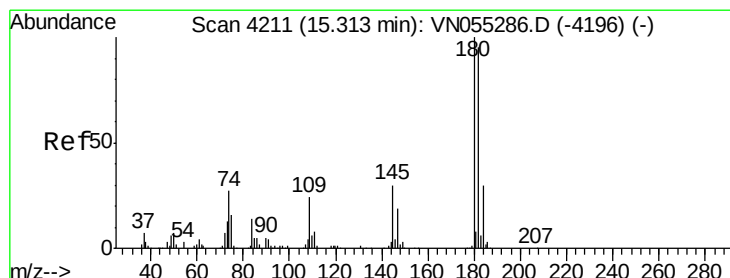
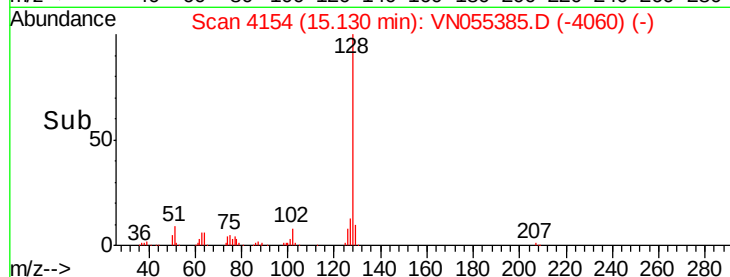
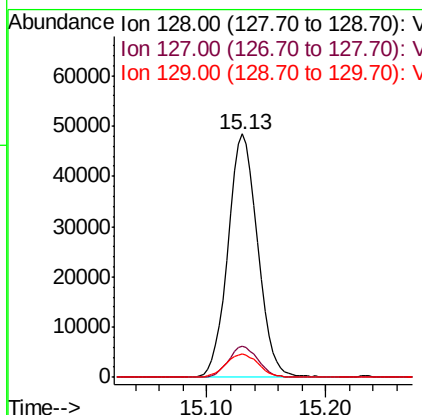
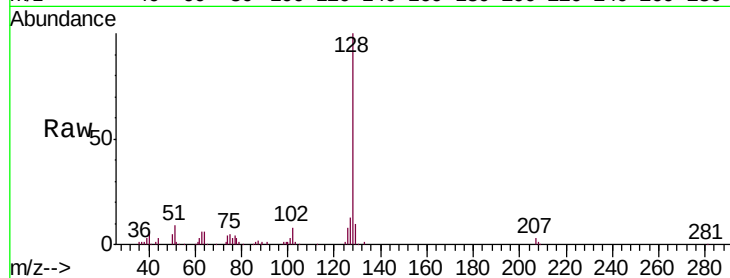
ClientSampleId :

VN0503MBSD01

Tgt Ion:	128	Resp:	83857
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.7	16.1
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:48:09 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.177 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055385.D

Acq: 3 May 2019 13:17

Tgt Ion:	180	Resp:	46143
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.3	144.9
145	32.6	15.2	45.6

