

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055731.D
 Acq On : 22 May 2019 21:07
 Operator : JC/SP
 Sample : VN0522WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:29:53 PM

Quant Time: May 23 06:34:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	56267	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	310650	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	266512	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	113625	30.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.97%
60) 4-Bromofluorobenzene	12.40	95	122640	29.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.60%
63) Toluene-d8	10.09	98	375665	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	48628	19.711	ug/l 98
3) Chloromethane	2.06	50	70010	19.951	ug/l 98
4) Vinyl Chloride	2.18	62	73320	20.472	ug/l 100
5) Bromomethane	2.55	94	49991	23.841	ug/l 98
6) Chloroethane	2.69	64	44771	21.399	ug/l 95
7) Trichlorofluoromethane	3.01	101	92040	20.484	ug/l 99
8) Diethyl Ether	3.41	74	41343	20.931	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57627	20.298	ug/l 99
10) 1,1-Dichloroethene	3.73	96	58707	19.767	ug/l 97
11) Methyl Iodide	3.94	142	79598	18.787	ug/l 98
12) Methyl Acetate	4.33	43	71976	19.815	ug/l 99
13) Acrolein	3.60	56	48995	97.077	ug/l 96
14) Acrylonitrile	4.99	53	168066	101.488	ug/l 99
15) Acetone	3.82	58	46824	91.043	ug/l 98
16) Carbon Disulfide	4.04	76	169536	19.910	ug/l 100
17) Allyl chloride	4.31	41	107210	20.043	ug/l 98
18) Methylene Chloride	4.55	84	68843	20.239	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	64282	20.120	ug/l 96
20) Diisopropyl ether	5.96	45	206759	19.926	ug/l 96
21) 1,1-Dichloroethane	5.84	63	118697	20.240	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	76224	20.457	ug/l 97
23) tert-Butyl Alcohol	4.81	59	70472	96.897	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	204123	20.256	ug/l 100
25) Chloroform	7.37	83	118780	20.507	ug/l 98
26) Cyclohexane	7.65	56	110788	20.478	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	87694	20.165	ug/l 98
30) 2-Butanone	6.84	43	223150	96.271	ug/l 100
31) 2,2-Dichloropropane	6.82	77	92092	18.198	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	104372	20.249	ug/l 99
33) Carbon Tetrachloride	7.77	117	92273	20.011	ug/l 99
34) Benzene	8.04	78	271194	20.199	ug/l 99
35) Methacrylonitrile	7.18	41	41908	19.588	ug/l 98
36) 1,2-Dichloroethane	8.12	62	89093	20.306	ug/l 99
37) Trichloroethene	8.84	130	73089	19.511	ug/l 98
38) Methylcyclohexane	9.08	83	108692	19.727	ug/l 98
39) 1,2-Dichloropropane	9.12	63	73093	20.251	ug/l 97
40) Dibromomethane	9.21	93	47203	20.253	ug/l 95

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 ALS Vial : 13 Sample Multiplier: 1

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	95723	20.039	ug/l	99
42) Vinyl Acetate	5.90	43	912668	101.413	ug/l	100
43) Ethyl Acetate	6.93	43	89018	19.538	ug/l #	100
44) Isopropyl Acetate	8.17	43	148658	19.704	ug/l #	87
45) 1,4-Dioxane	9.20	88	27230	383.636	ug/l	97
46) Methyl methacrylate	9.20	41	72375	20.561	ug/l	99
47) n-amyl Acetate	12.07	43	119223	19.105	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	101502	19.250	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	114127	19.774	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	67724	19.960	ug/l	98
51) Ethyl methacrylate	10.43	69	109389	20.002	ug/l	99
52) 1,3-Dichloropropane	10.71	76	113118	20.226	ug/l	99
53) Dibromochloromethane	10.90	129	78588	19.607	ug/l	97
54) 1,2-Dibromoethane	11.01	107	69700	19.852	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	204038	95.887	ug/l	99
56) Bromoform	12.13	173	60778	18.486	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	451973	102.442	ug/l	99
59) 2-Hexanone	10.75	43	311644	98.803	ug/l	99
61) Tetrachloroethene	10.63	164	71651	19.860	ug/l	97
62) Toluene	10.16	91	294694	20.562	ug/l	99
64) Chlorobenzene	11.43	112	176114	20.257	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	70631	20.164	ug/l	98
66) Ethyl Benzene	11.51	91	320885	20.492	ug/l	98
67) m/p-Xylenes	11.62	106	242309	40.734	ug/l	100
68) o-Xylene	11.95	106	120064	20.396	ug/l	100
69) Styrene	11.96	104	193106	19.884	ug/l	100
70) Isopropylbenzene	12.25	105	312184	20.269	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	97474	20.564	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	87408m	21.426	ug/l	
73) Bromobenzene	12.53	156	78711	19.318	ug/l	97
74) n-propylbenzene	12.59	91	332920	20.042	ug/l	99
75) 2-Chlorotoluene	12.67	91	206626	20.363	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	258053	20.270	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	29579	18.254	ug/l	96
78) 4-Chlorotoluene	12.77	91	190024	19.760	ug/l	99
79) tert-butylbenzene	12.99	119	225624	20.159	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	254037	20.101	ug/l	98
81) sec-Butylbenzene	13.17	105	285421	20.071	ug/l	100
82) p-Isopropyltoluene	13.29	119	256164	19.574	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	121726	19.057	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	111623	18.350	ug/l	98
85) n-Butylbenzene	13.61	91	189672	18.629	ug/l	99
86) Hexachloroethane	13.87	117	50893	19.771	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	123799	19.248	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17405	19.374	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	53815	15.501	ug/l	98
90) Hexachlorobutadiene	15.01	225	45372	17.515	ug/l	98
91) Naphthalene	15.13	128	160683	16.939	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	61323	16.901	ug/l	99

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

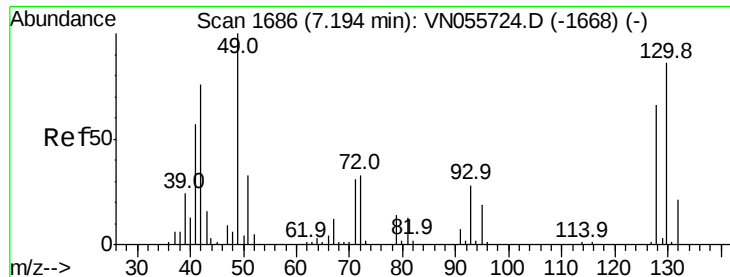
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



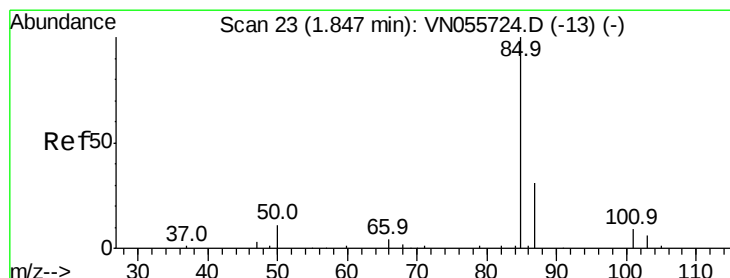
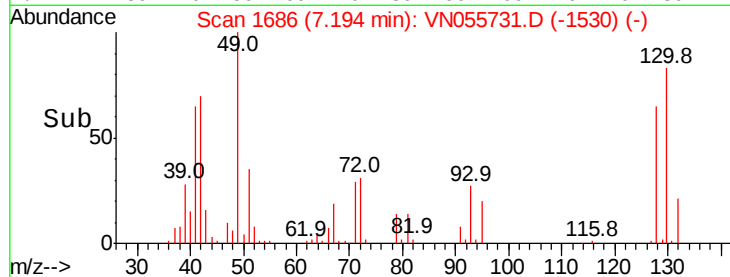
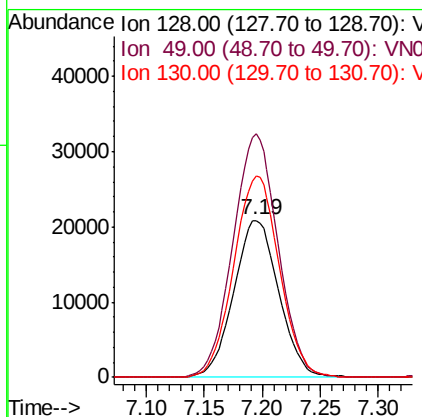
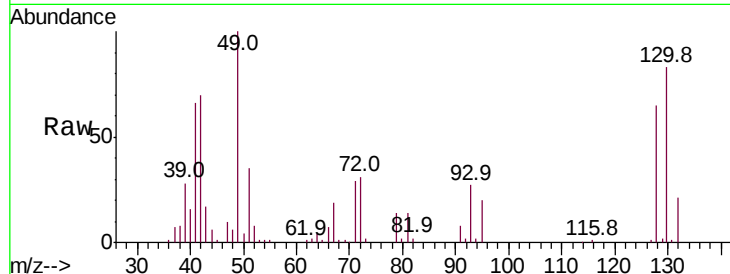
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	155.2	0.0	383.2
130	130.1	0.0	326.3

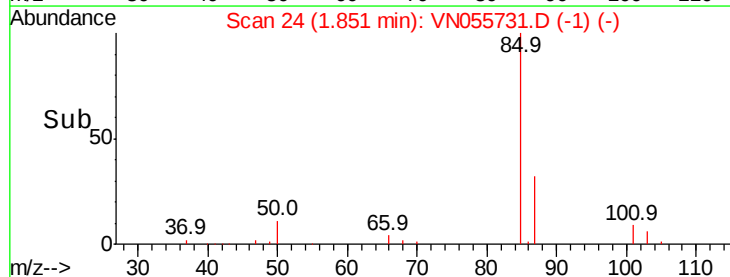
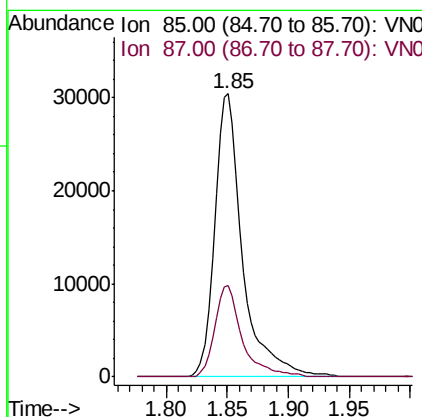
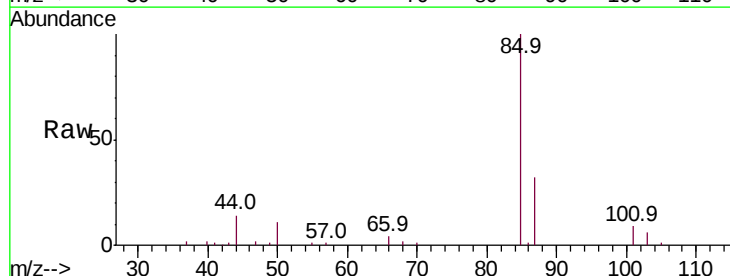
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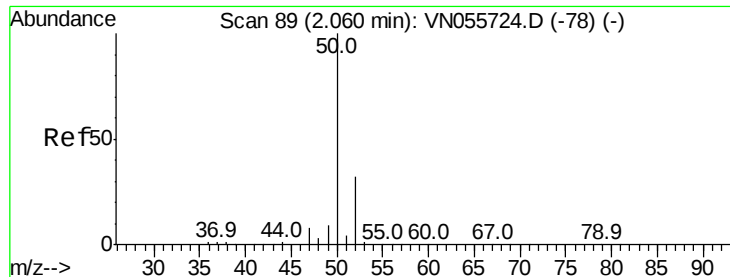
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#2
 Dichlorodifluoromethane
 Concen: 19.711 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.7	47.0





#3

Chloromethane

Concen: 19.951 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tot Ion: 50 Resp: 70010

Ion Ratio Lower Upper

50 100

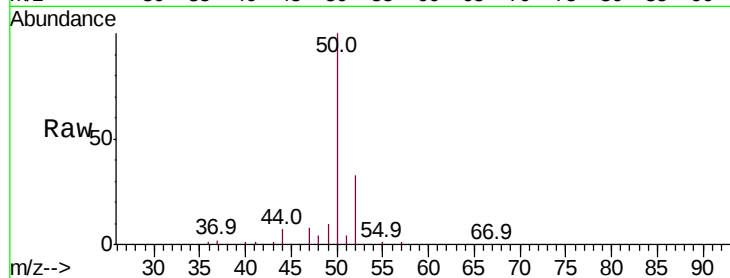
52 33.0 25.4 38.2

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

2.06

50000

40000

30000

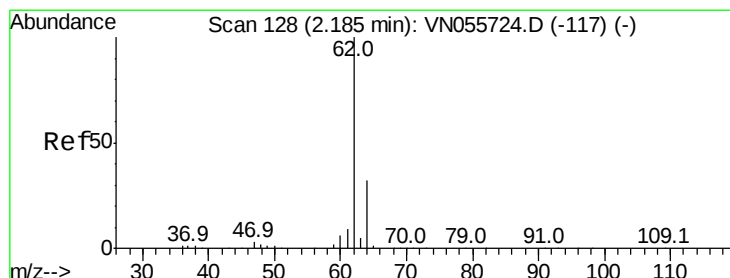
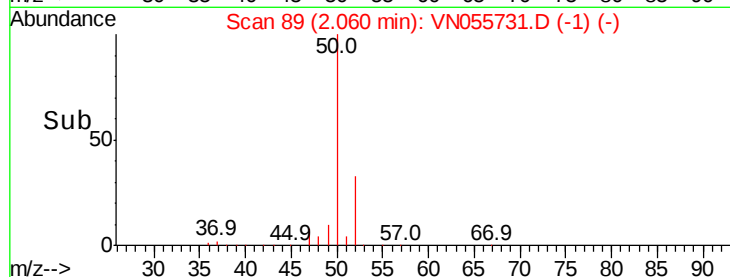
20000

10000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 20.472 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055731.D

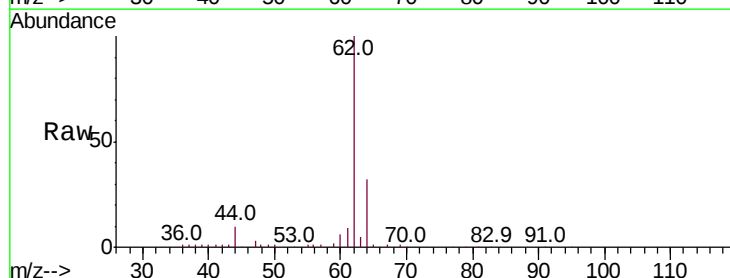
Acq: 22 May 2019 21:07

Tgt Ion: 62 Resp: 73320

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO

2.18

50000

40000

30000

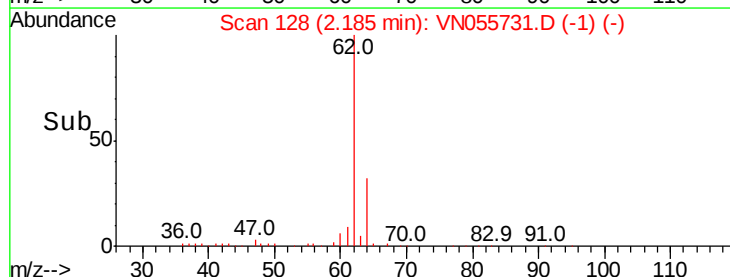
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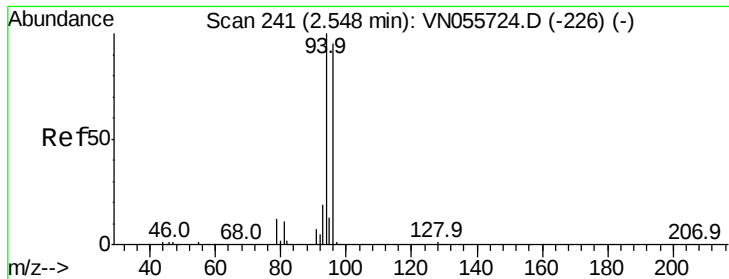
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0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 23.841 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tot Ion: 94 Resp: 49991

Ion Ratio Lower Upper

94 100

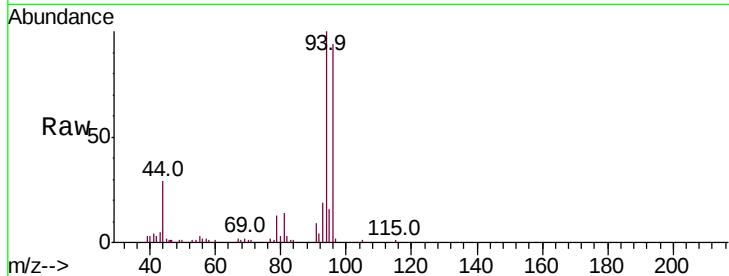
96 93.1 75.8 113.8

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

15000

10000

5000

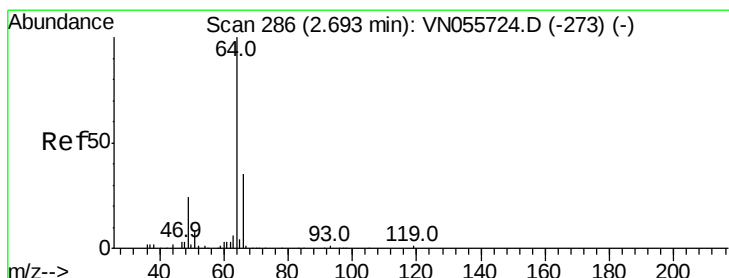
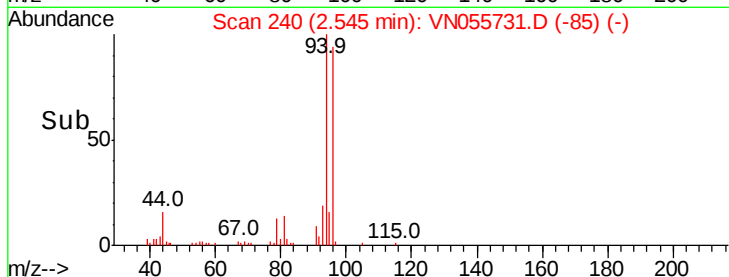
0

2.55

2.50

2.60

Time-->



#6

Chloroethane

Concen: 21.399 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN055731.D

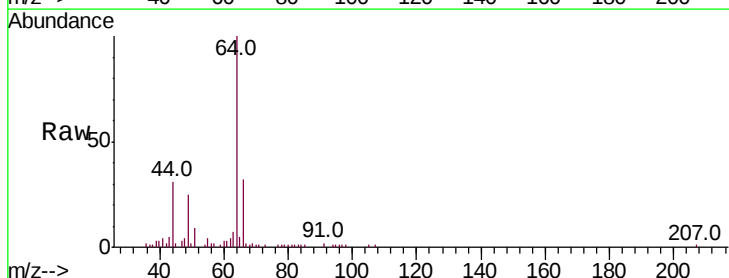
Acq: 22 May 2019 21:07

Tgt Ion: 64 Resp: 44771

Ion Ratio Lower Upper

64 100

66 32.1 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

20000

15000

10000

5000

0

2.69

2.60

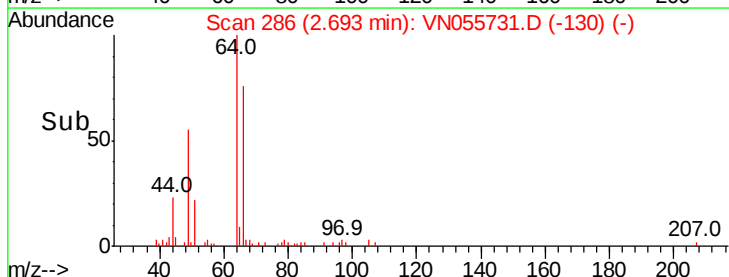
2.65

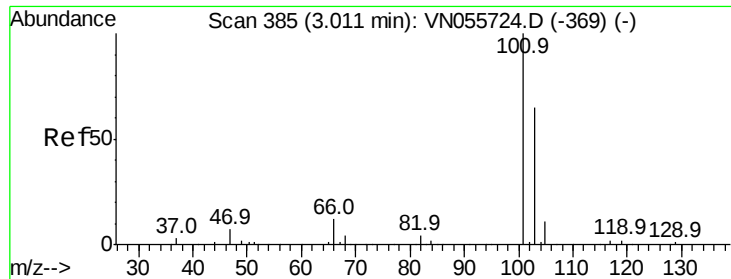
2.70

2.75

2.80

Time-->





#7

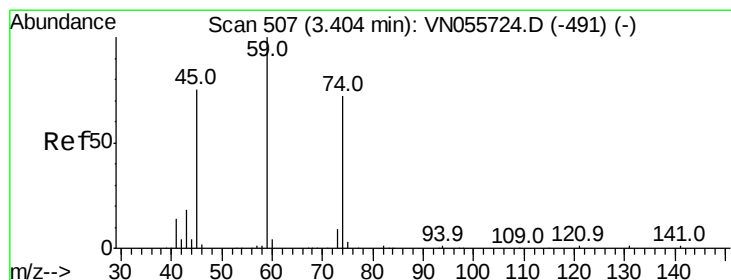
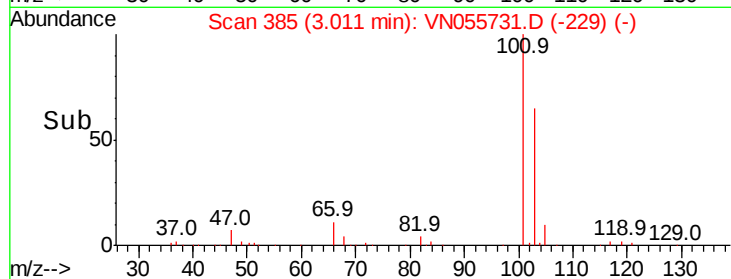
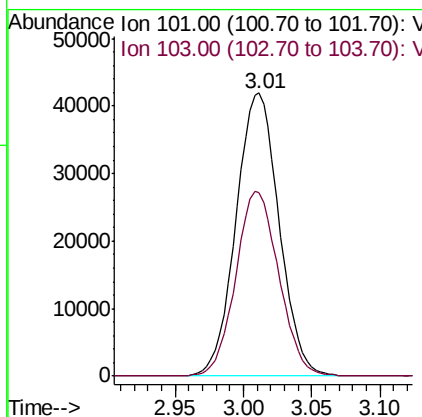
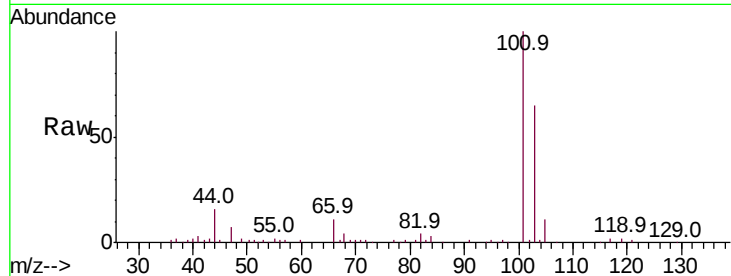
Trichlorofluoromethane
 Concen: 20.484 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
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 ClientSampleId :
 VN0522WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.6	78.8

Manual Integrations
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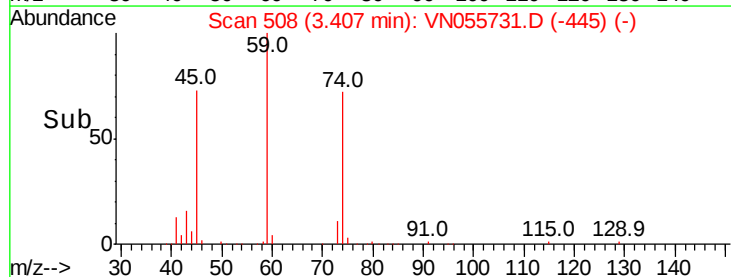
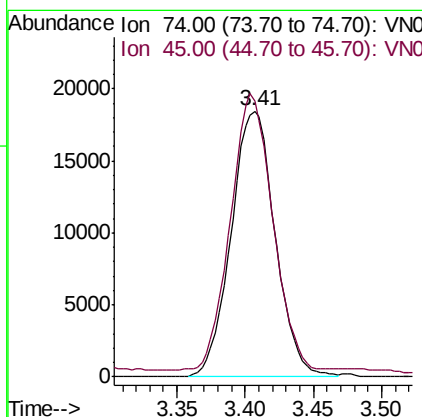
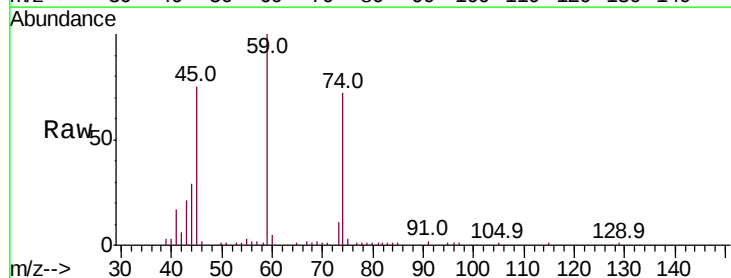
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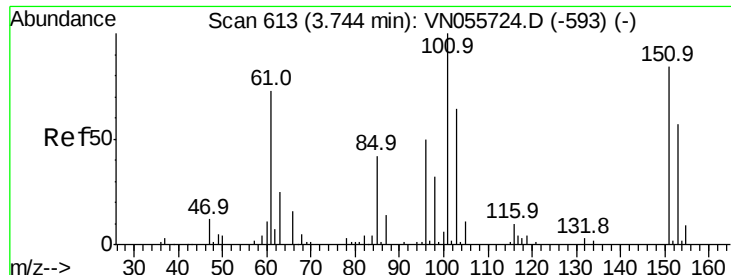


#8

Diethyl Ether
 Concen: 20.931 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	20.4	184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.298 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

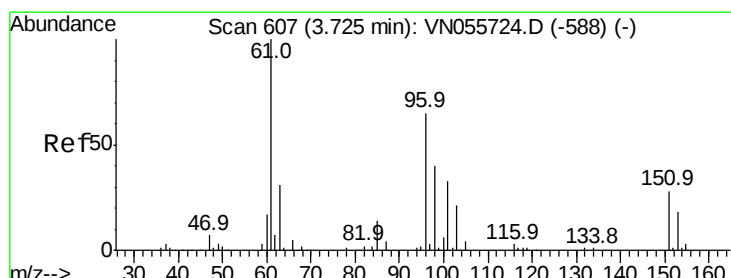
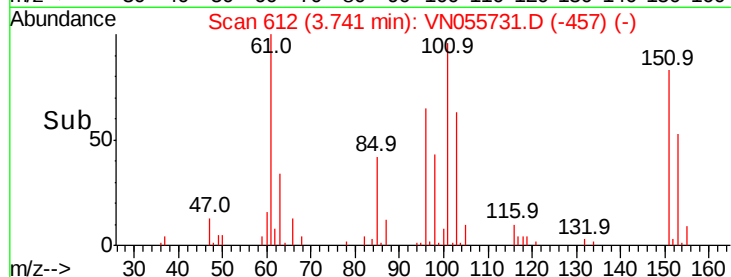
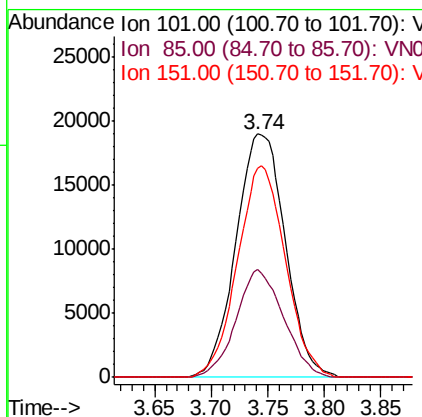
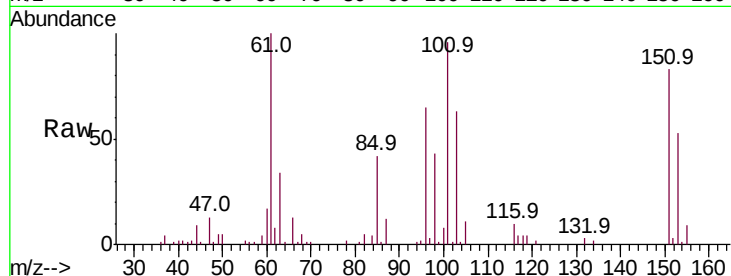
ClientSampled :

VN0522WBS01

Tot Ion:	101	Resp:	57627
Ion Ratio	Lower	Upper	
101	100		
85	42.7	0.0	86.6
151	84.6	0.0	172.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.767 ug/l

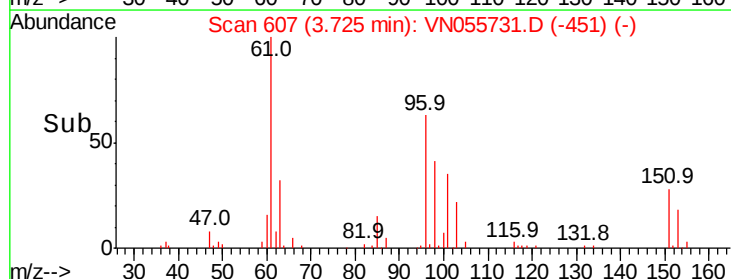
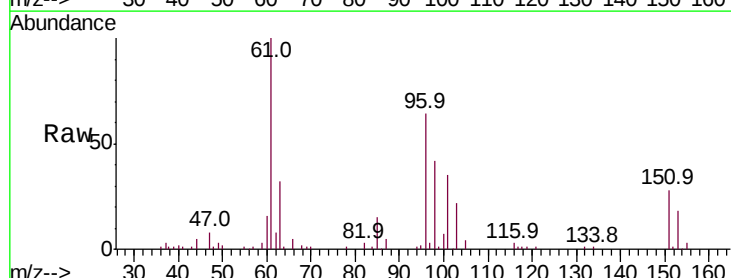
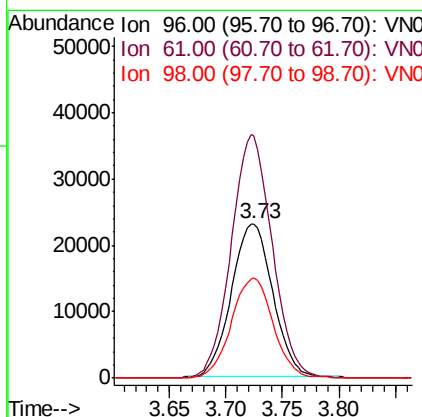
RT: 3.73 min Scan# 607

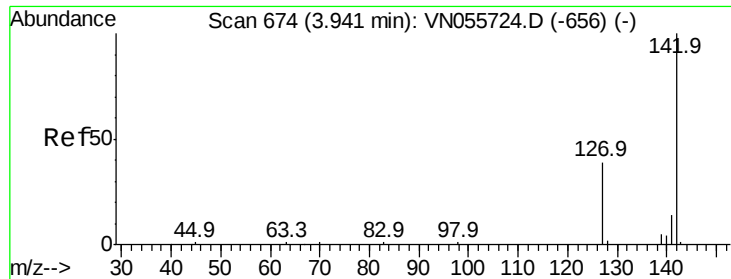
Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Tgt Ion:	96	Resp:	58707
Ion Ratio	Lower	Upper	
96	100		
61	157.7	123.7	185.5
98	65.5	50.0	75.0





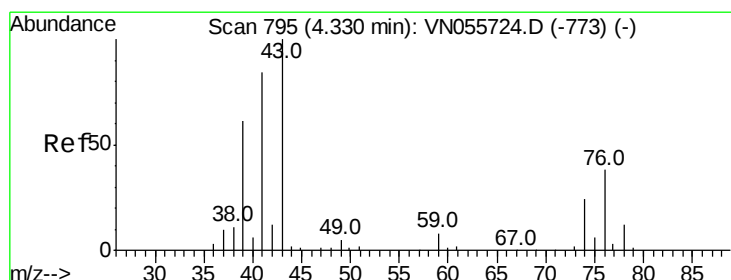
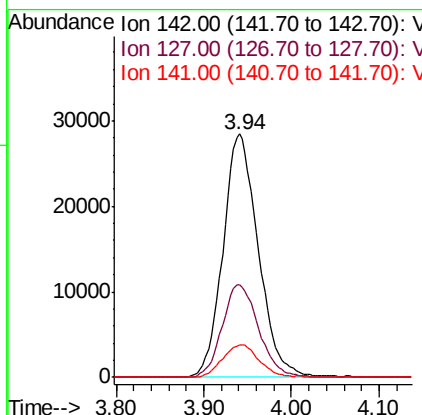
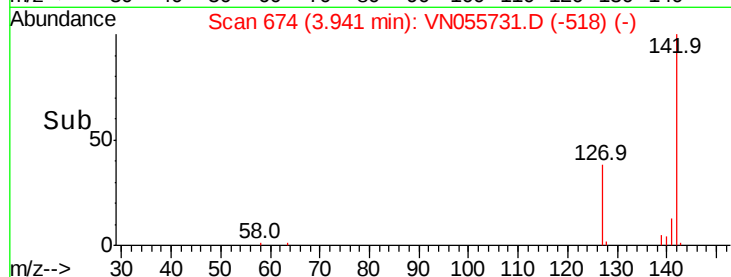
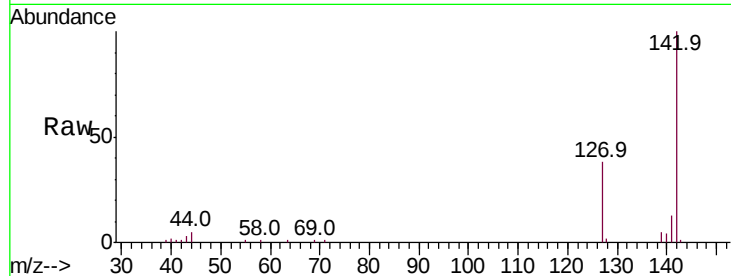
#11
Methyl Iodide
Concen: 18.787 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.0	19.6	58.7
141	13.1	6.9	20.6

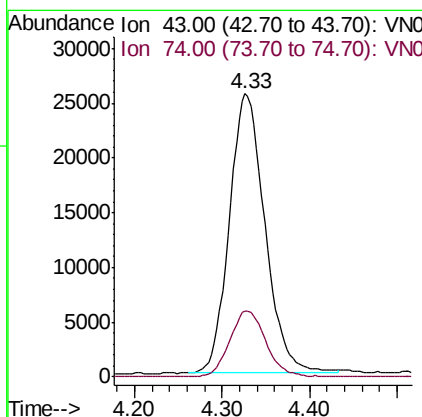
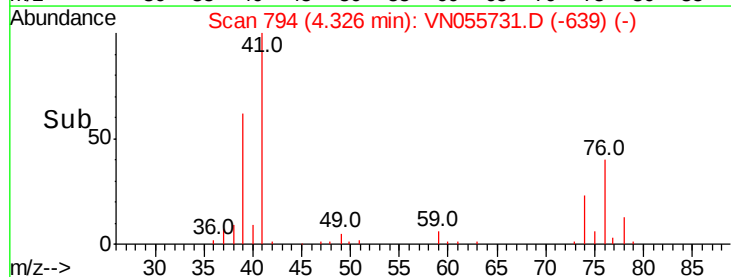
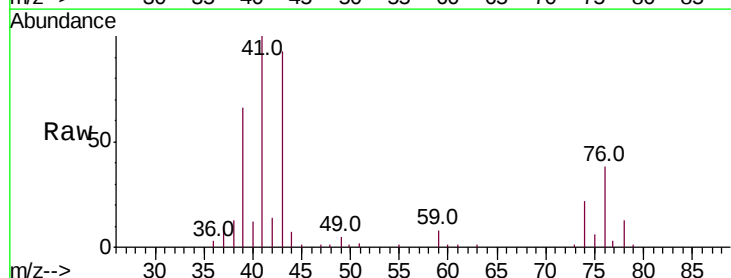
Manual Integrations
APPROVED

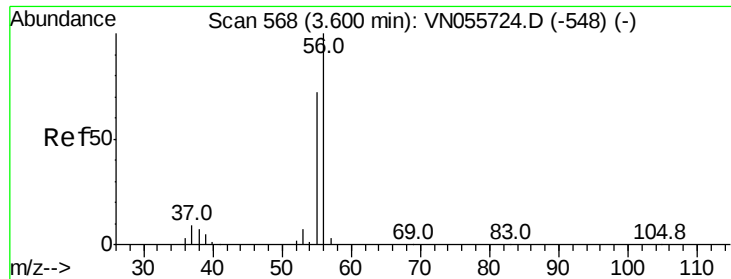
MMDadoda
5/23/2019 12:29:53 PM



#12
Methyl Acetate
Concen: 19.815 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8





#13

Acrolein

Concen: 97.077 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tot Ion: 56 Resp: 48995

Ion Ratio Lower Upper

56 100

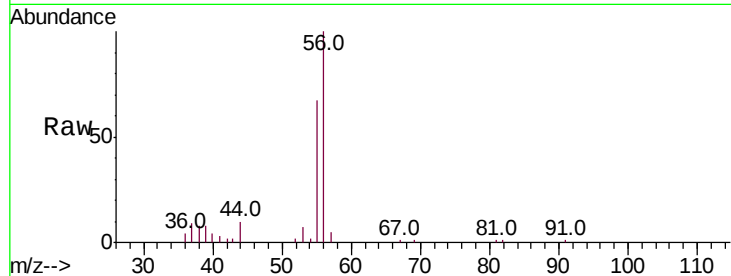
55 68.3 57.0 85.6

Manual Integrations

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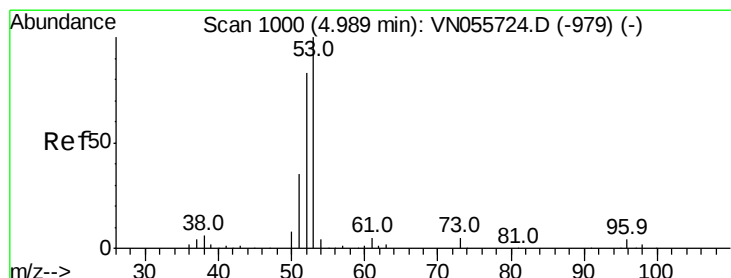
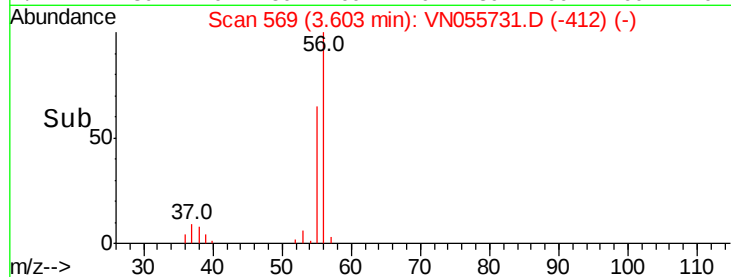
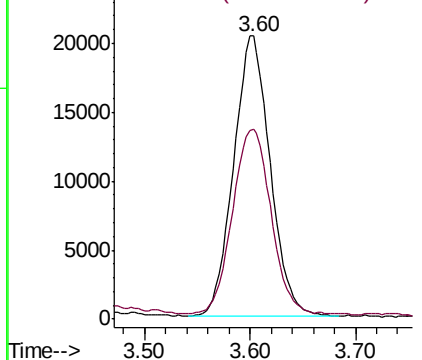
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 101.488 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

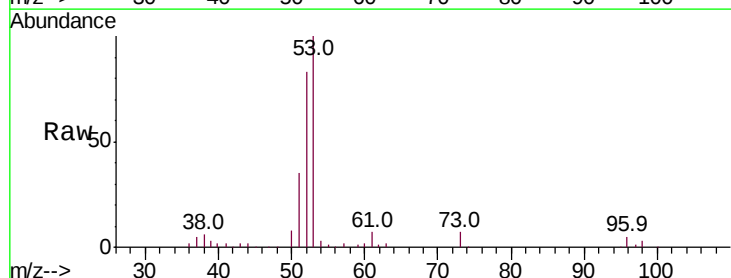
Tgt Ion: 53 Resp: 168066

Ion Ratio Lower Upper

53 100

52 82.8 41.1 123.4

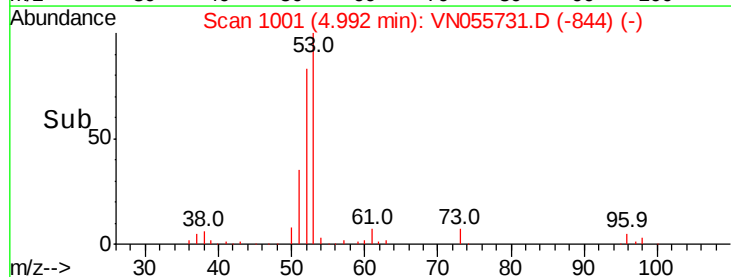
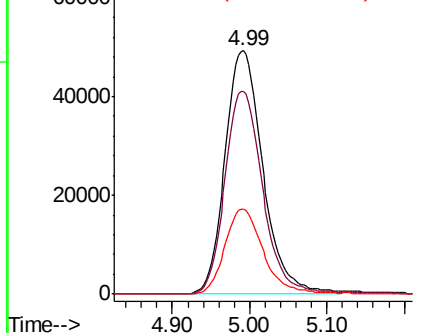
51 35.4 17.5 52.6

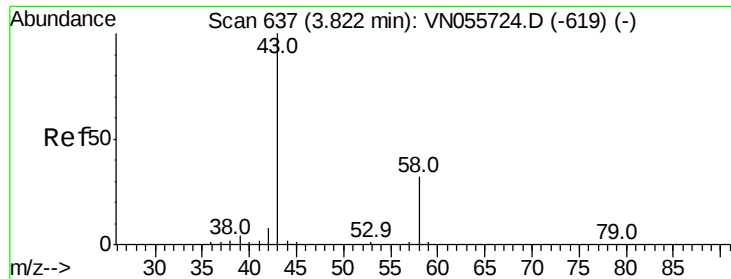


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 91.043 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tot Ion: 58 Resp: 46824

Ion Ratio Lower Upper

58 100

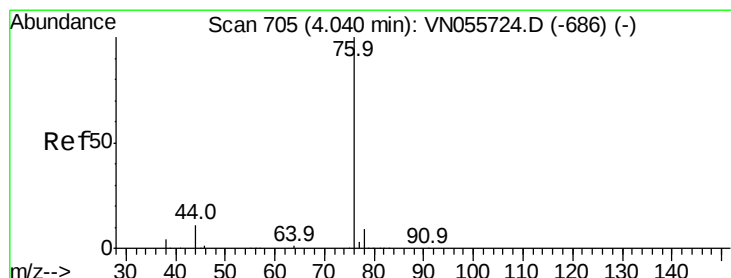
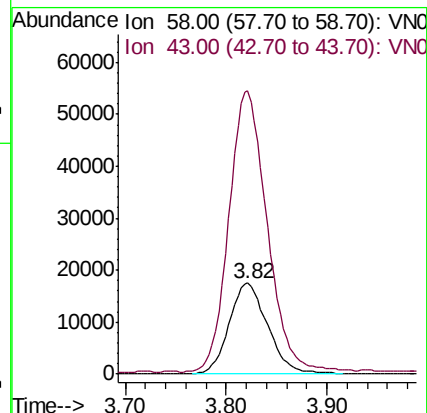
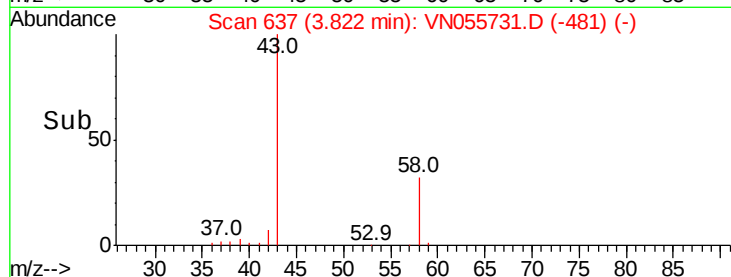
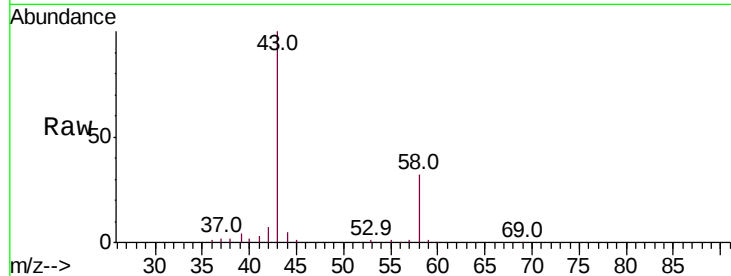
43 307.6 248.8 373.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.910 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055731.D

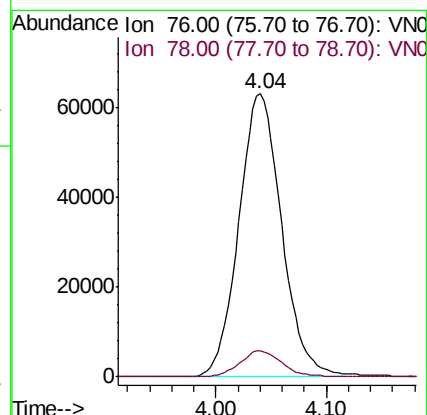
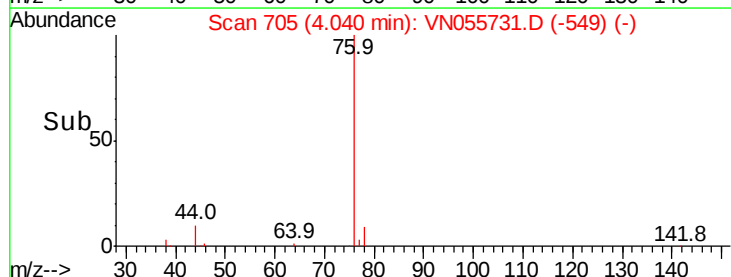
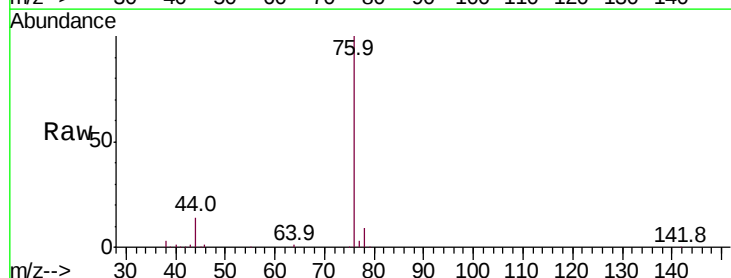
Acq: 22 May 2019 21:07

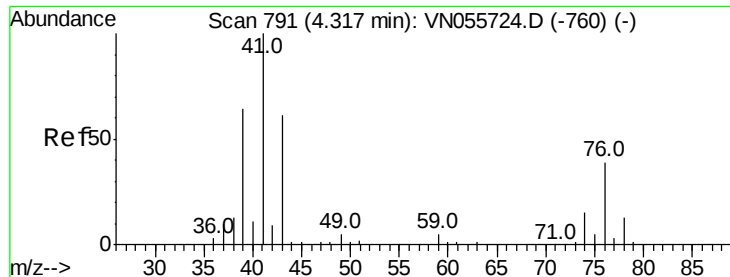
Tgt Ion: 76 Resp: 169536

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





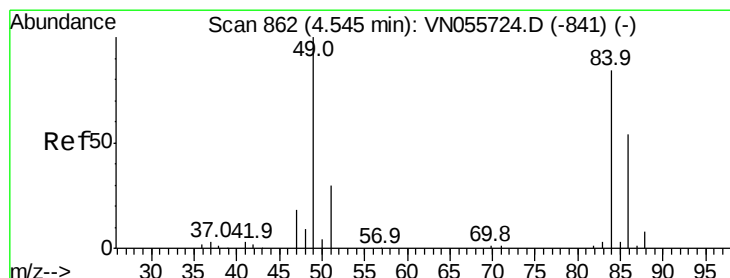
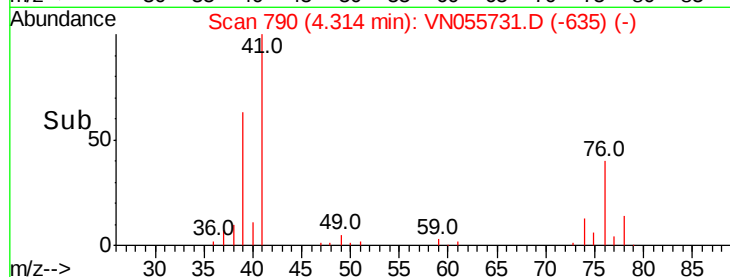
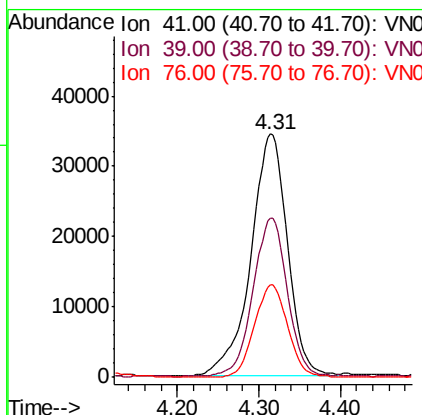
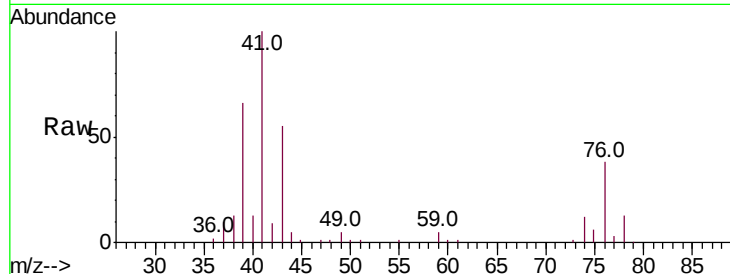
#17
Allvl chloride
Concen: 20.043 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion:	41	Resp:	107210
Ion Ratio	Lower	Upper	
41	100		
39	65.4	31.8	95.3
76	38.3	19.3	57.9

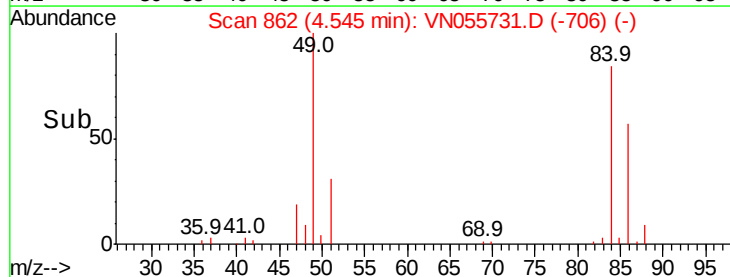
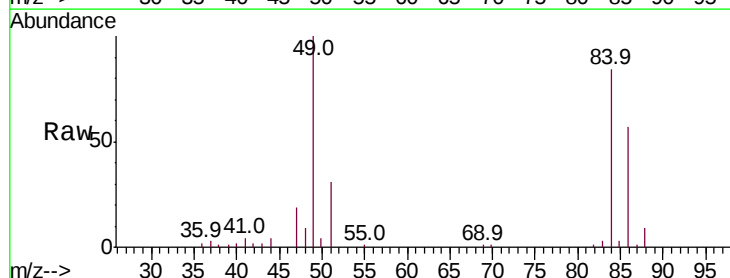
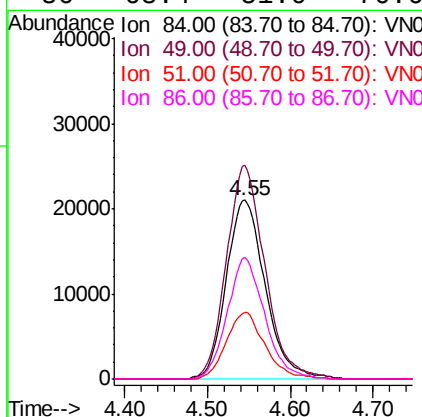
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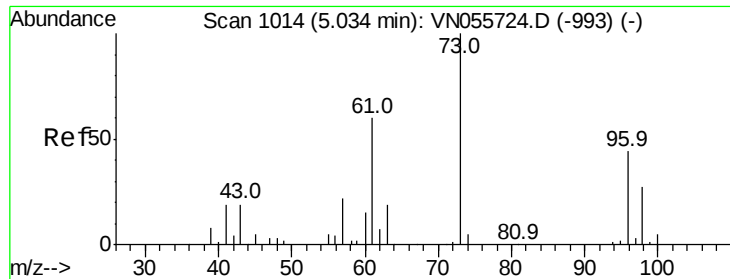
MMDadoda
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#18
Methylene Chloride
Concen: 20.239 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion:	84	Resp:	68843
Ion Ratio	Lower	Upper	
84	100		
49	119.6	94.7	142.1
51	37.6	28.6	43.0
86	68.4	51.0	76.6





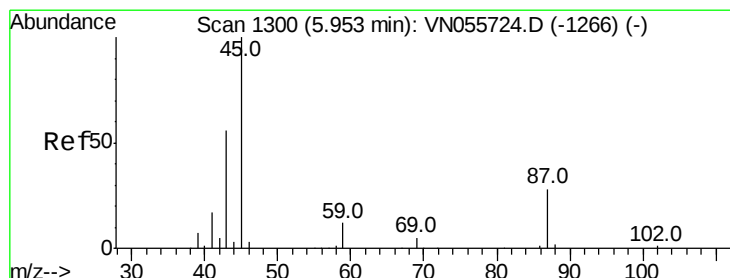
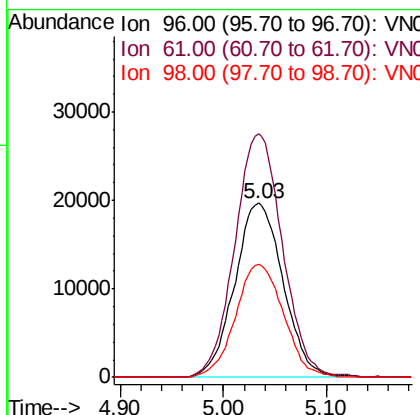
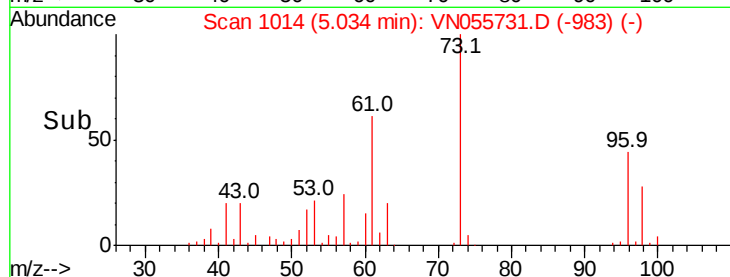
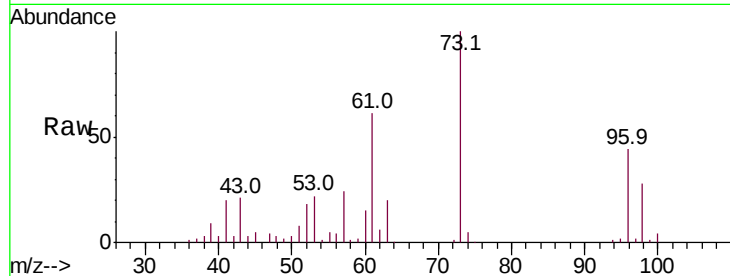
#19
trans-1,2-Dichloroethene
Concen: 20.120 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	108.5	162.7
98	65.2	49.4	74.2

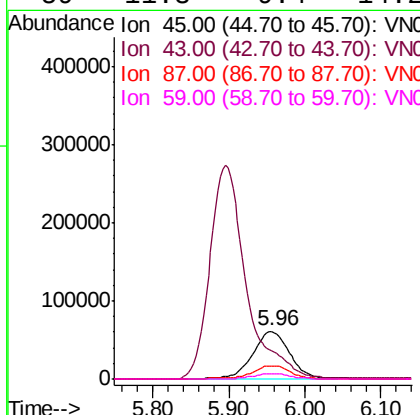
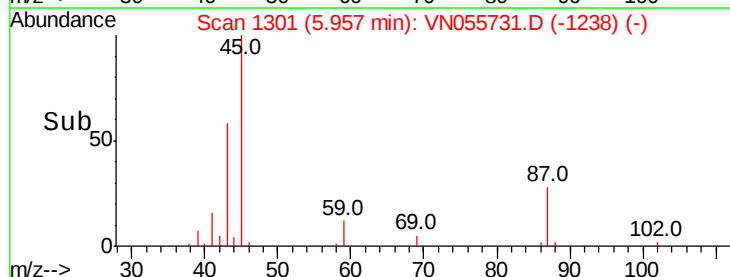
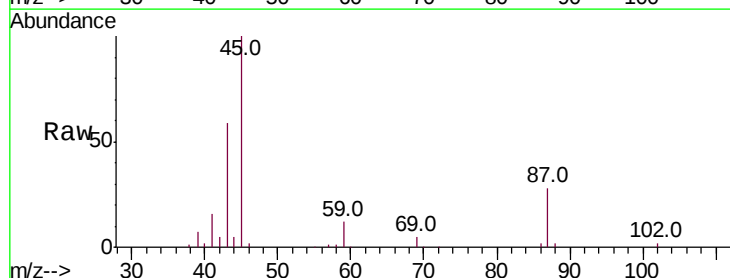
Manual Integrations
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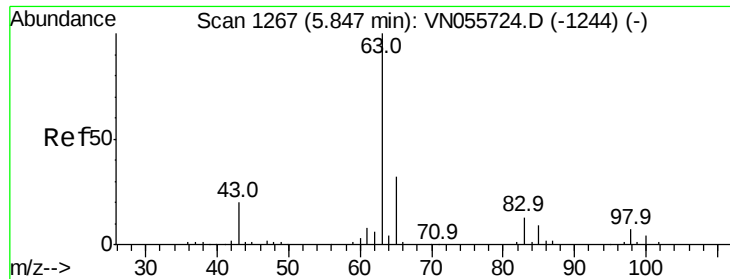
MMDadoda
5/23/2019 12:29:53 PM



#20
Diisopropyl ether
Concen: 19.926 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	48.6	73.0
87	27.5	22.6	34.0
59	11.3	9.4	14.2





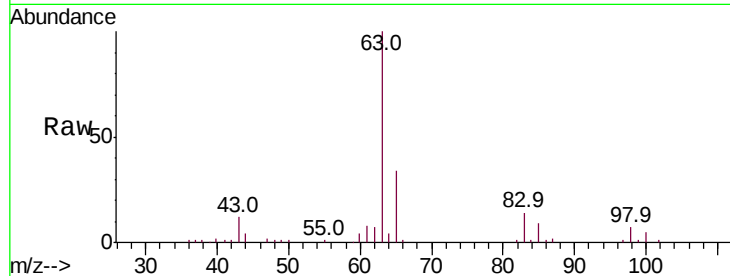
#21
 1,1-Dichloroethane
 Concen: 20.240 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

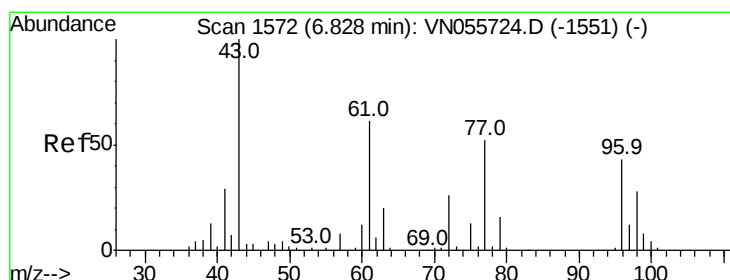
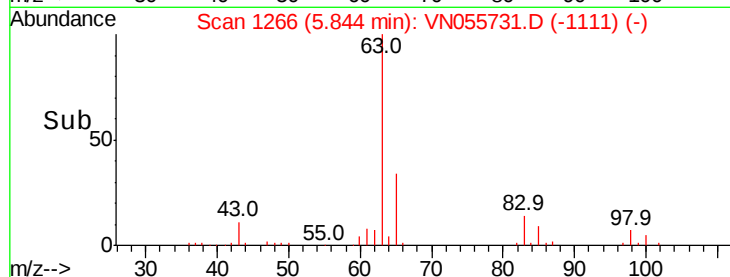
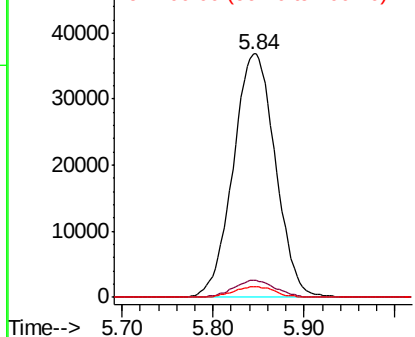
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.0	3.4	10.2	
100	4.6	2.2	6.6	

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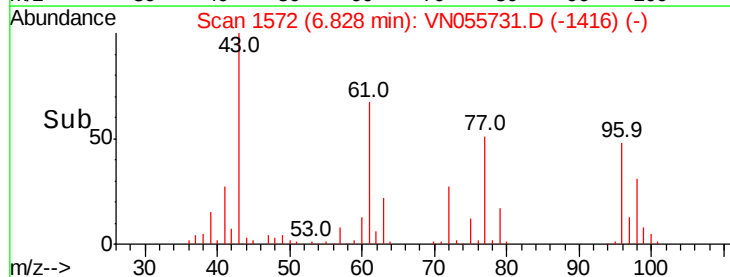
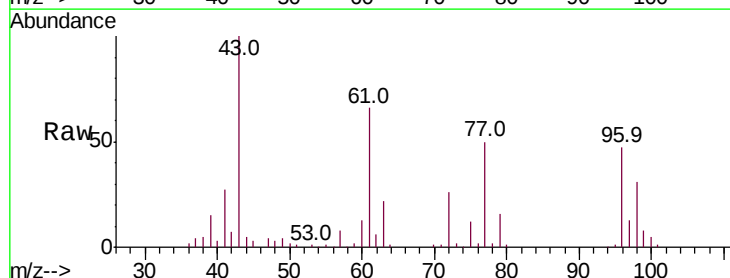
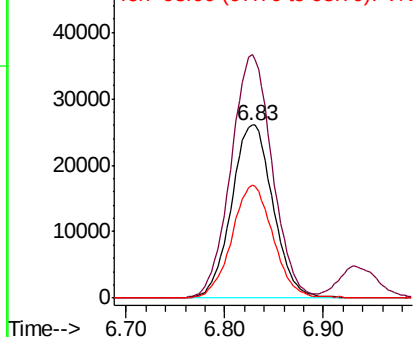
Abundance Ion 63.00 (62.70 to 63.70): VN055724.D (-1244) (-)
 Ion 98.00 (97.70 to 98.70): VN055724.D (-1244) (-)
 Ion 100.00 (99.70 to 100.70): VN055724.D (-1244) (-)

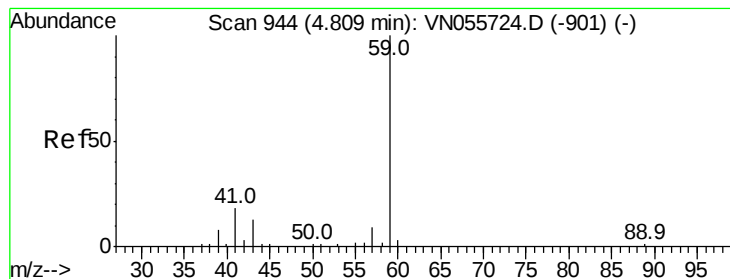


#22
 cis-1,2-Dichloroethene
 Concen: 20.457 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.9	115.7	173.5	
98	64.7	51.5	77.3	

Abundance Ion 96.00 (95.70 to 96.70): VN055724.D (-1551) (-)
 Ion 61.00 (60.70 to 61.70): VN055724.D (-1551) (-)
 Ion 98.00 (97.70 to 98.70): VN055724.D (-1551) (-)





#23

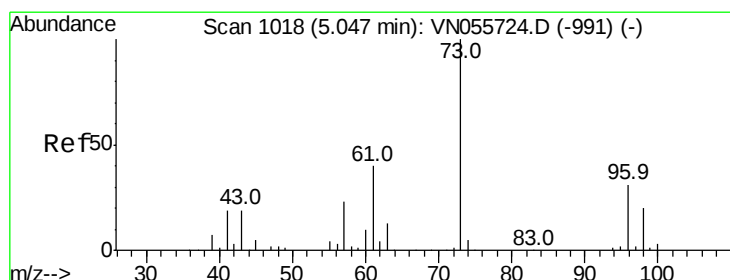
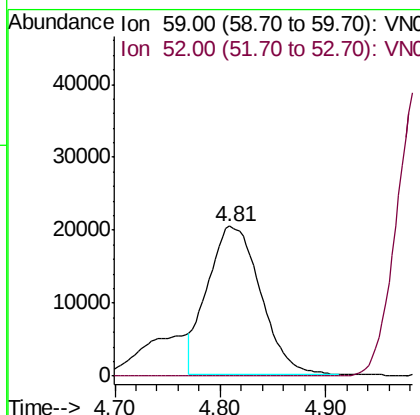
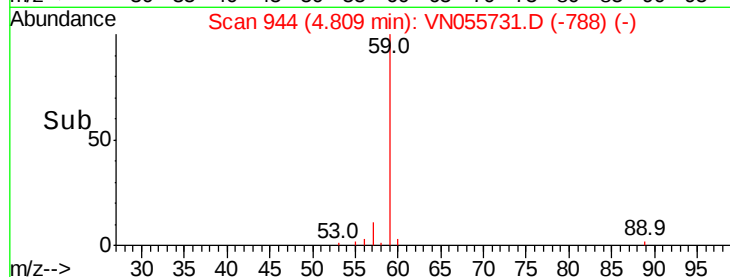
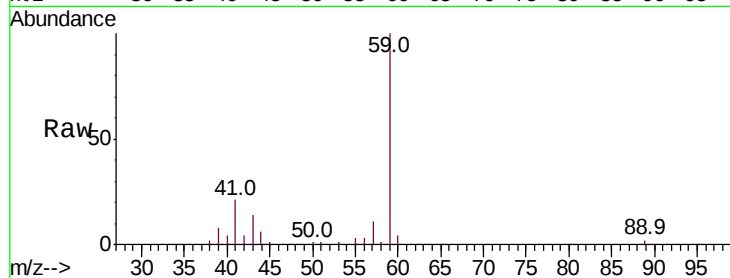
tert-Butyl Alcohol
 Concen: 96.897 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Tot Ion: 59 Resp: 70472
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

Manual Integrations
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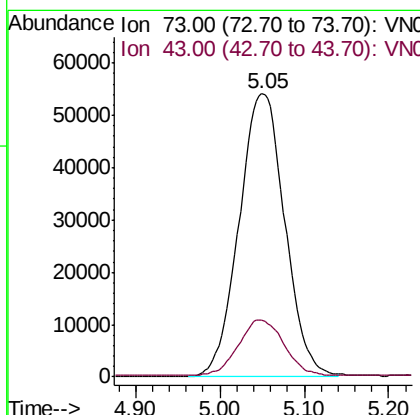
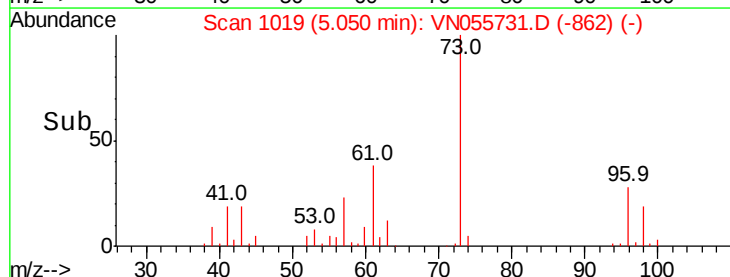
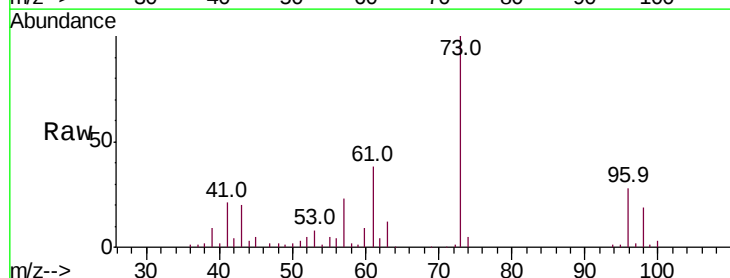
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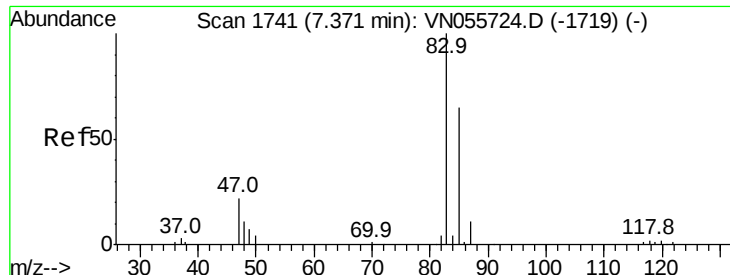


#24

Methyl tert-Butyl Ether
 Concen: 20.256 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion: 73 Resp: 204123
 Ion Ratio Lower Upper
 73 100
 43 19.5 15.7 23.5





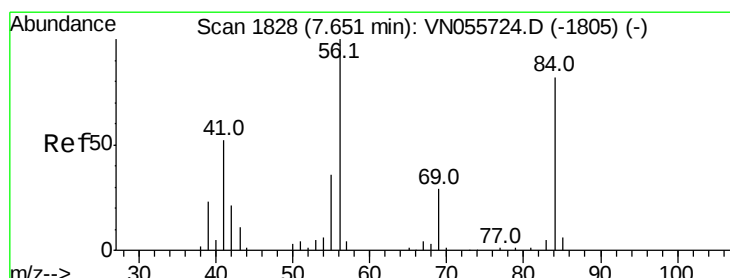
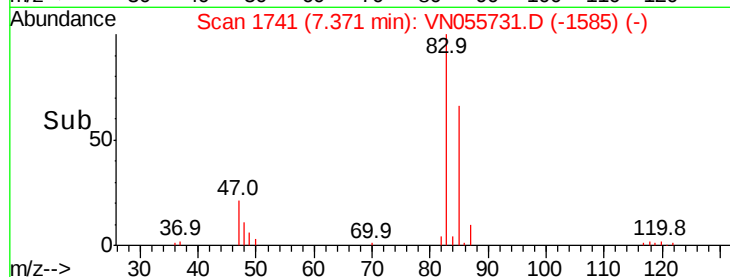
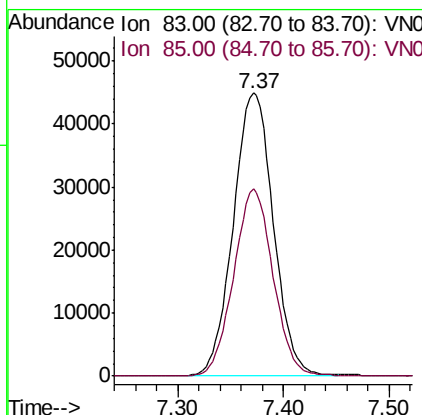
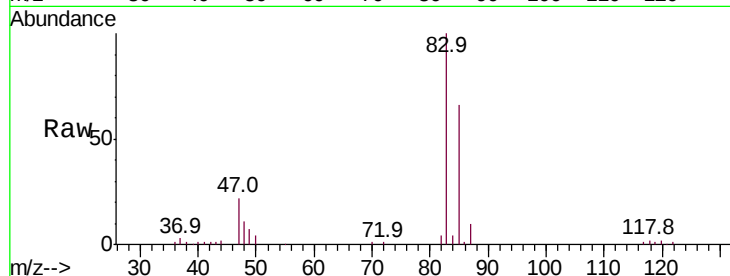
#25
Chloroform
Concen: 20.507 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion: 83 Resp: 118780
Ion Ratio Lower Upper
83 100
85 66.3 51.7 77.5

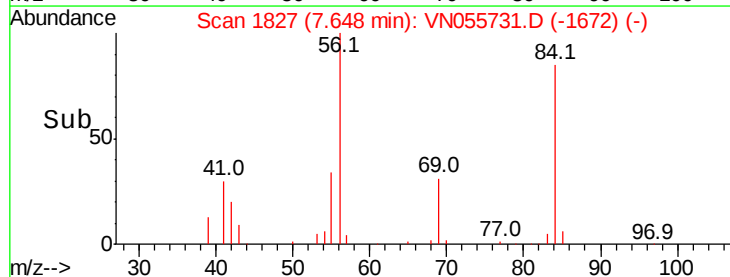
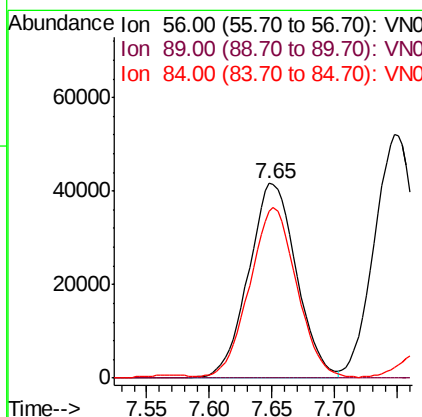
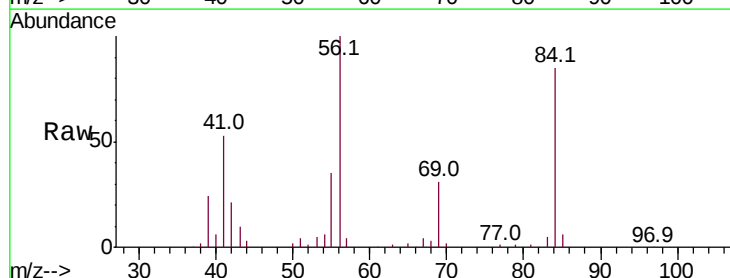
Manual Integrations
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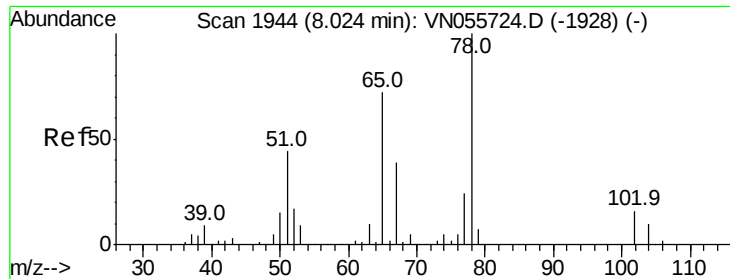
MMDadoda
5/23/2019 12:29:53 PM



#26
Cyclohexane
Concen: 20.478 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion: 56 Resp: 110788
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.6 67.2 100.8





#27

1,2-Dichloroethane-d4

Concen: 30.895 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tot Ion: 65 Resp: 113625

Ion Ratio Lower Upper

65 100

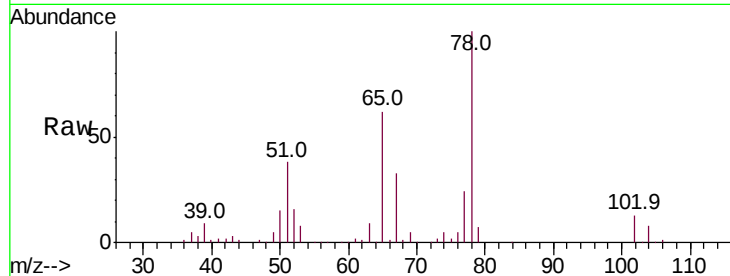
67 54.1 43.5 65.3

Manual Integrations

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MMDadoda

5/23/2019 12:29:53 PM



Abundance Ion 65.00 (64.70 to 65.70): VN055724.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN055724.D (-1928) (-)

8.03

50000

40000

30000

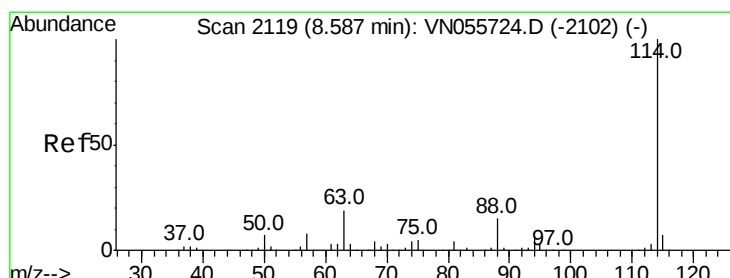
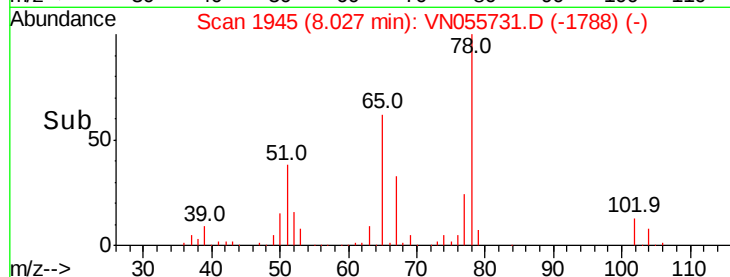
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

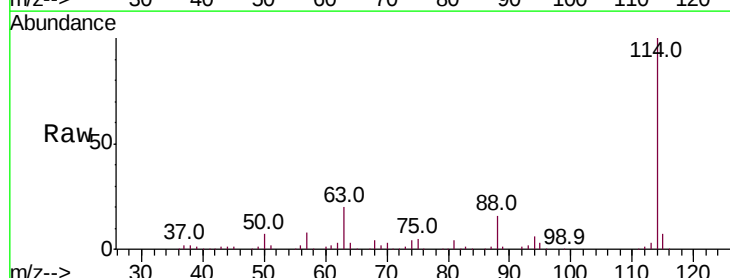
Tgt Ion: 114 Resp: 310650

Ion Ratio Lower Upper

114 100

63 19.3 15.6 23.4

88 15.4 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): VN055724.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN055724.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN055724.D (-2102) (-)

8.59

200000

150000

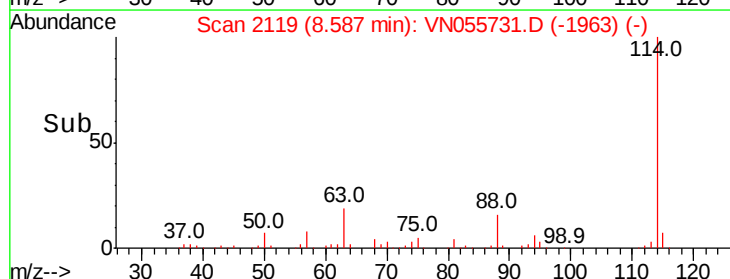
100000

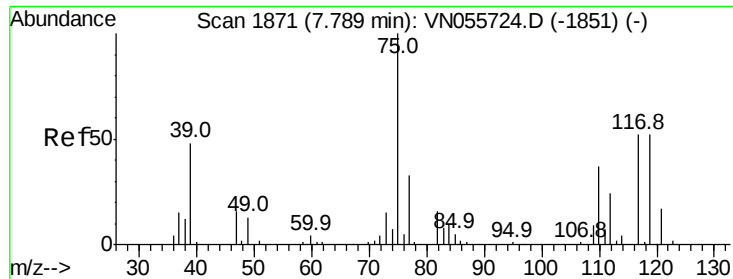
50000

0

8.50 8.60 8.70

Time-->





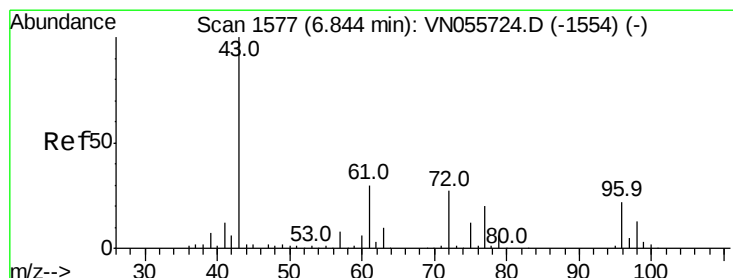
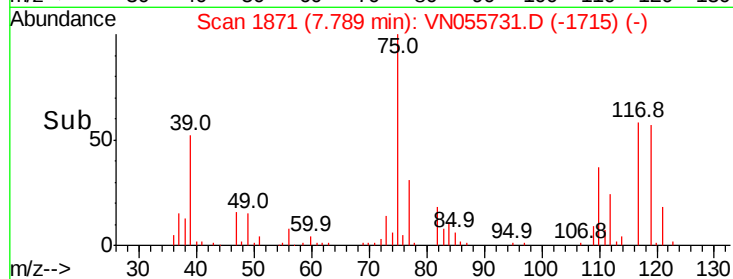
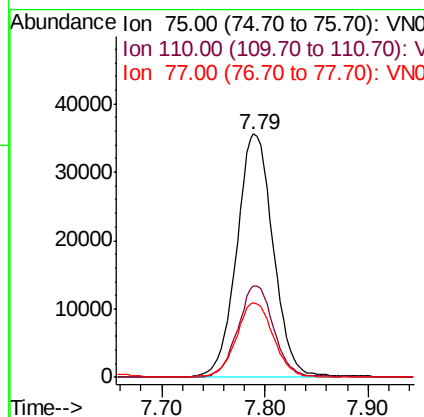
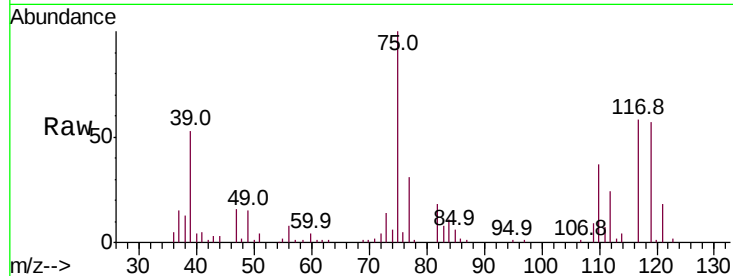
#29
 1,1-Dichloropropene
 Concen: 20.165 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.8	0.0	74.8
77	31.3	0.0	65.2

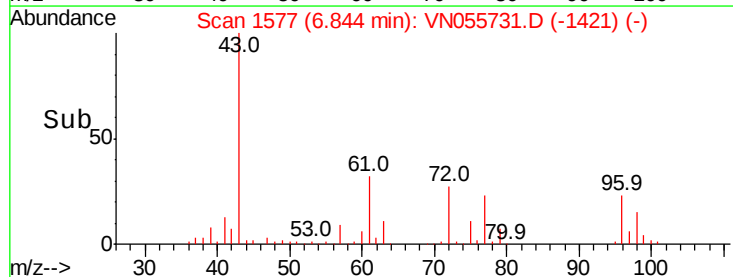
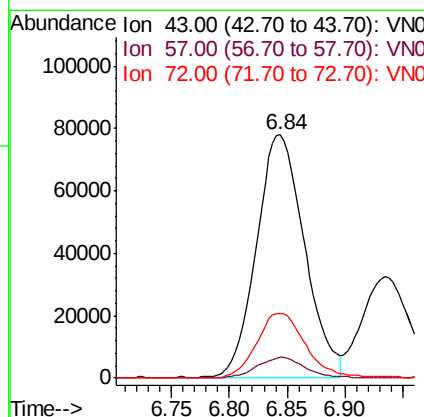
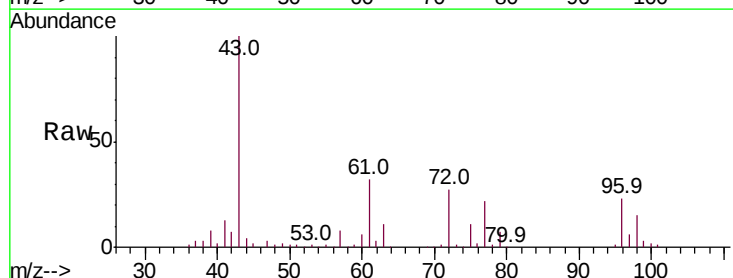
Manual Integrations
 APPROVED

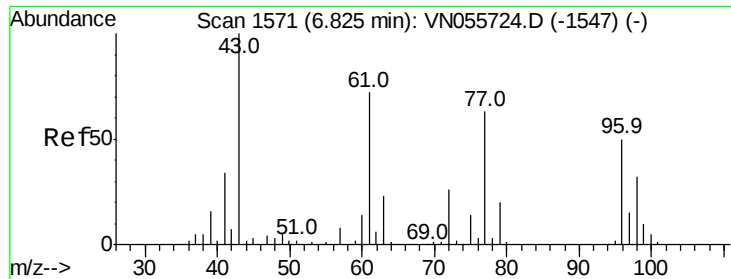
MMDadoda
 5/23/2019 12:29:53 PM



#30
 2-Butanone
 Concen: 96.271 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.6	6.6	10.0
72	27.2	21.7	32.5





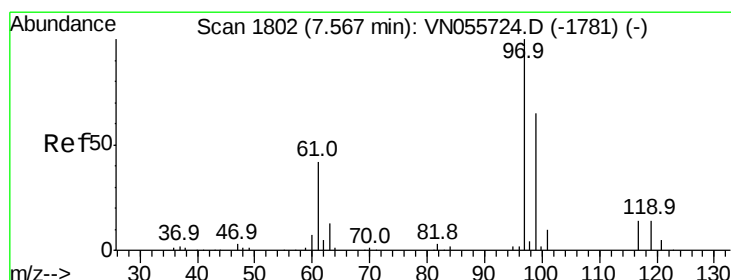
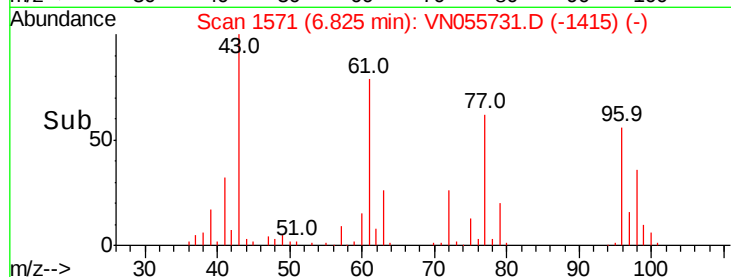
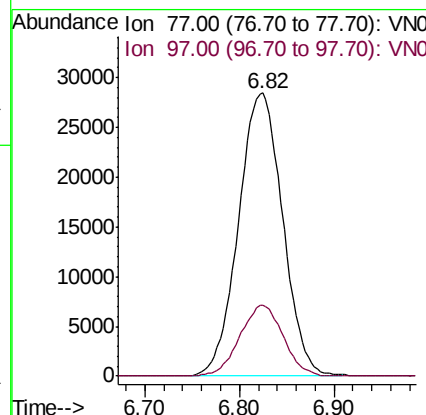
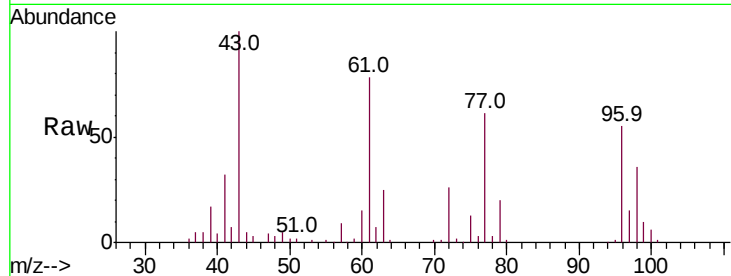
#31
 2,2-Dichloropropane
 Concen: 18.198 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Tot Ion: 77 Resp: 92092
 Ion Ratio Lower Upper
 77 100
 97 24.6 19.2 28.8

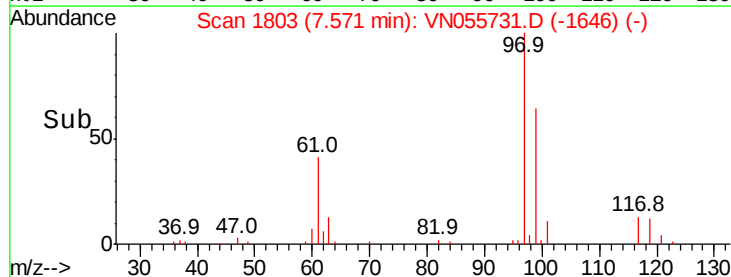
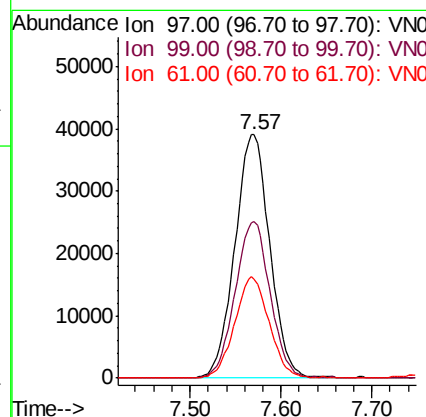
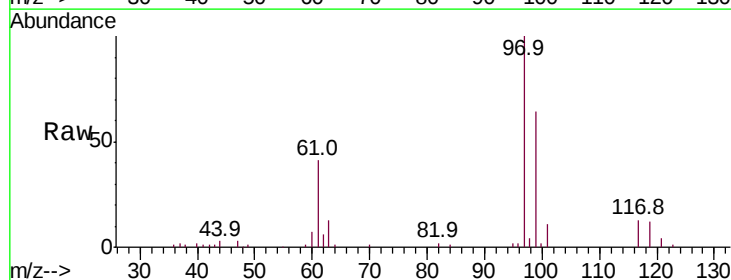
Manual Integrations
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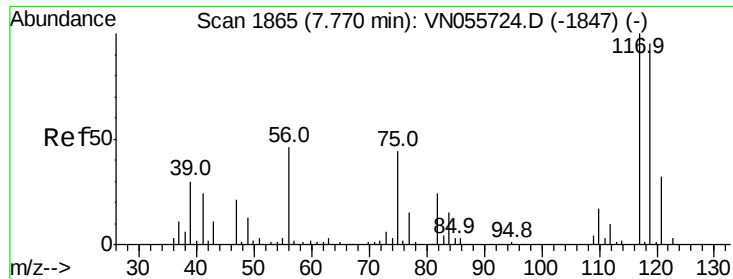
MMDadoda
 5/23/2019 12:29:53 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.249 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion: 97 Resp: 104372
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.7 77.5
 61 40.7 33.1 49.7





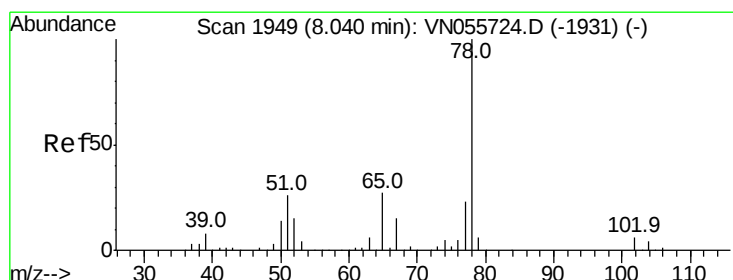
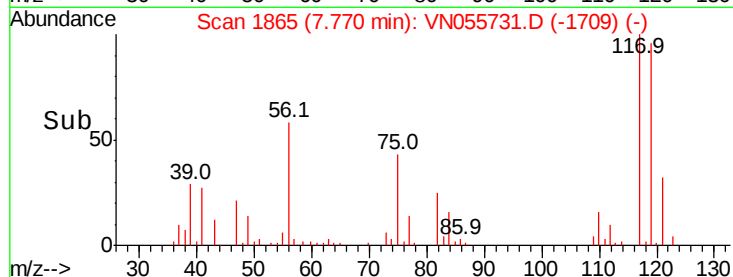
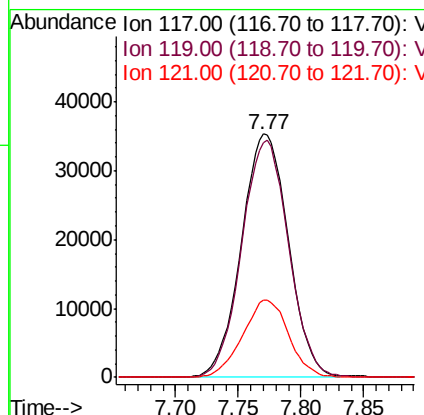
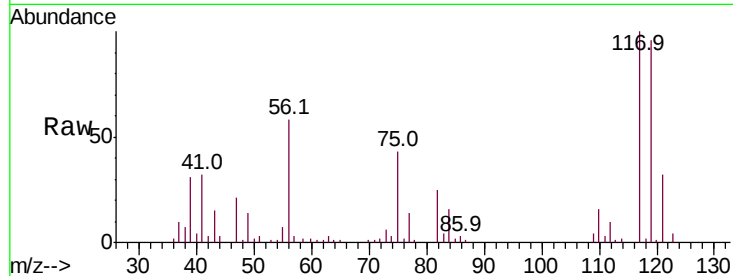
#33
Carbon Tetrachloride
Concen: 20.011 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.8	113.8
121	31.9	25.4	38.0

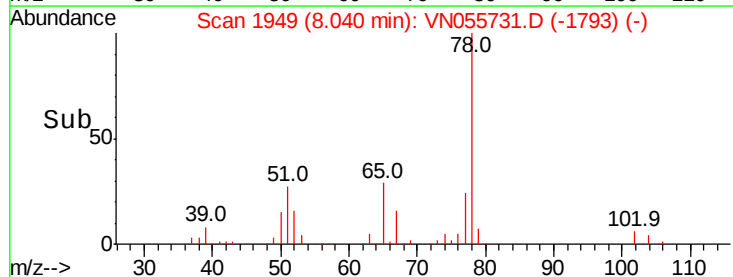
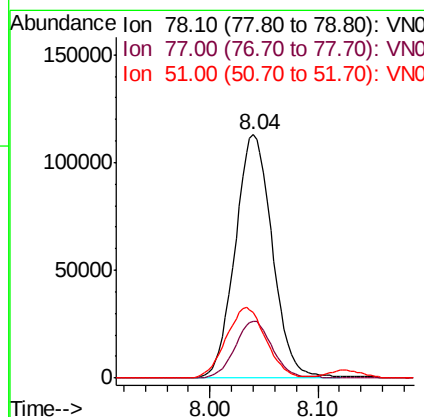
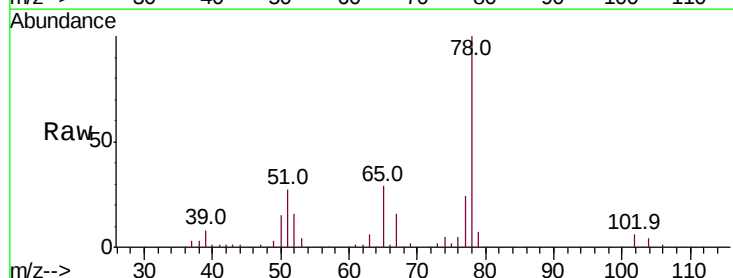
Manual Integrations
APPROVED

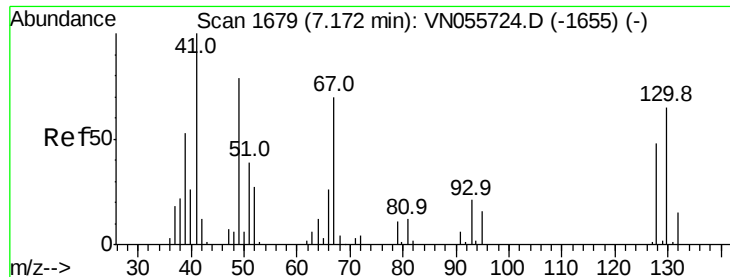
MMDadoda
5/23/2019 12:29:53 PM



#34
Benzene
Concen: 20.199 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2
51	26.6	20.6	31.0





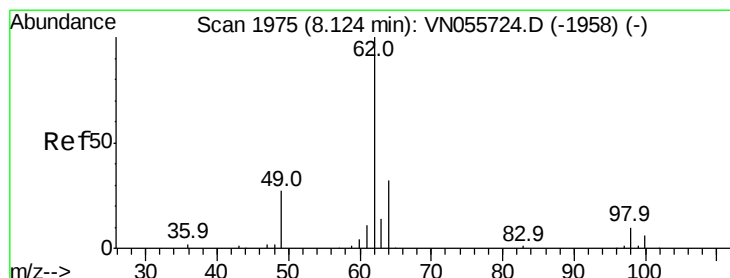
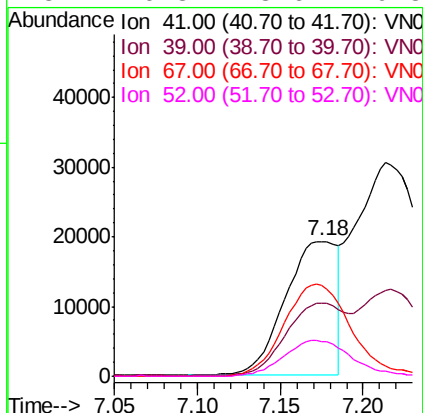
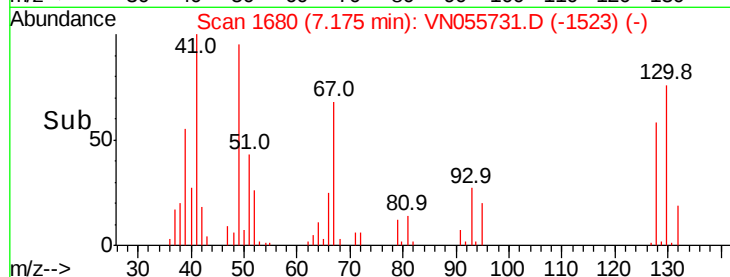
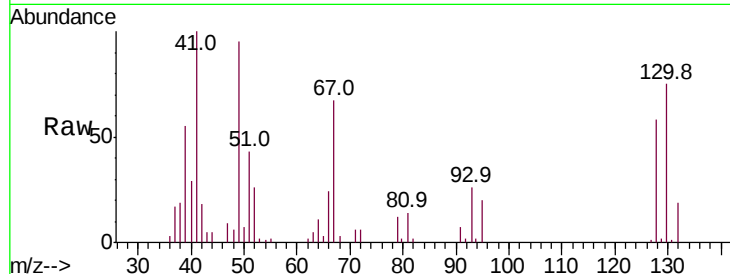
#35
Methacrylonitrile
Concen: 19.588 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.1	26.7	80.1
67	68.1	34.9	104.7
52	26.3	13.6	40.8

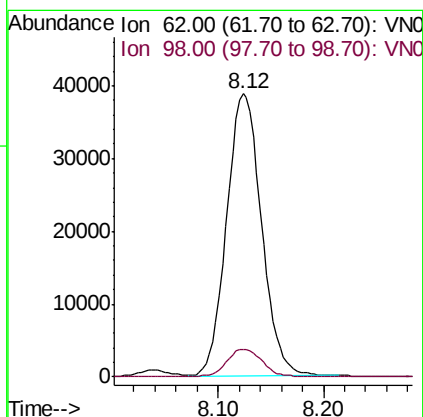
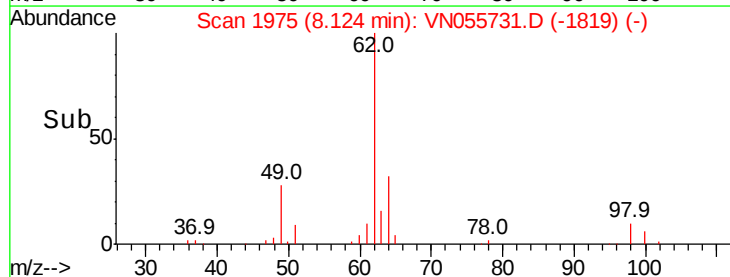
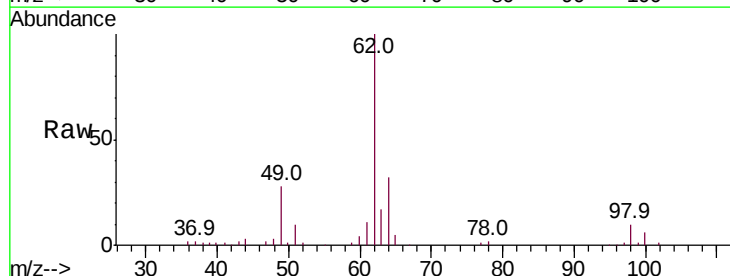
Manual Integrations
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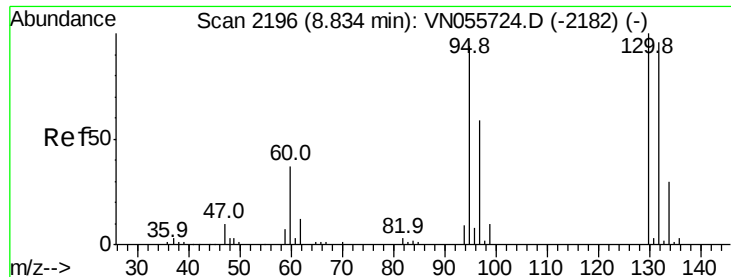
MMDadoda
5/23/2019 12:29:53 PM



#36
1,2-Dichloroethane
Concen: 20.306 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.2	12.2





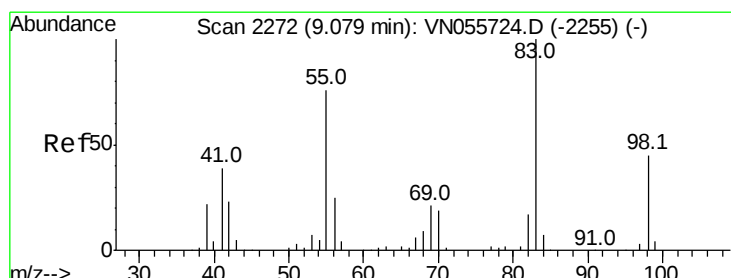
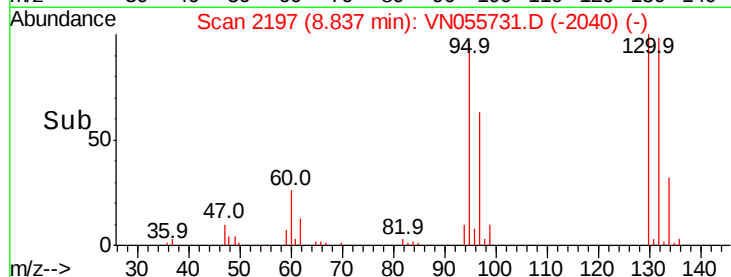
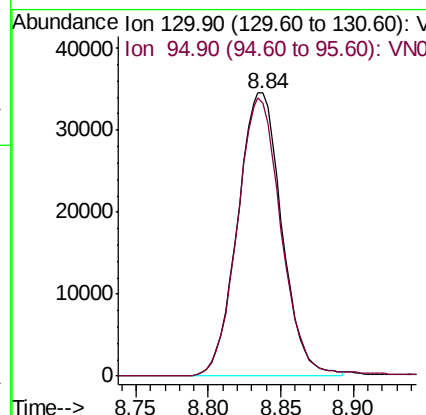
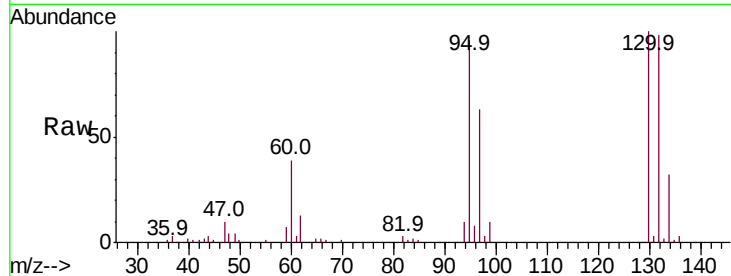
#37
 Trichloroethene
 Concen: 19.511 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Tot Ion:130 Resp: 73089
 Ion Ratio Lower Upper
 130 100
 95 96.3 75.6 113.4

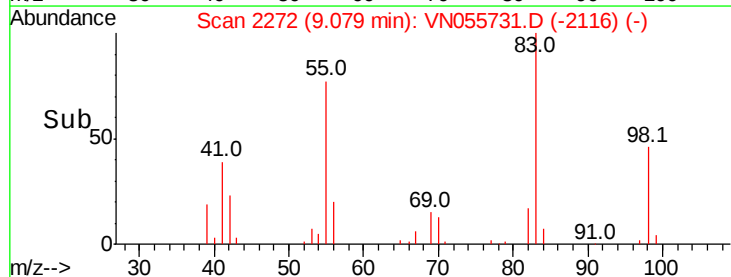
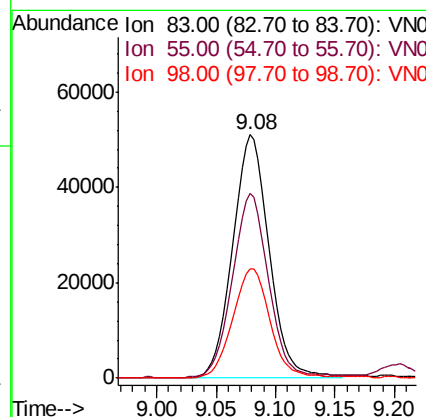
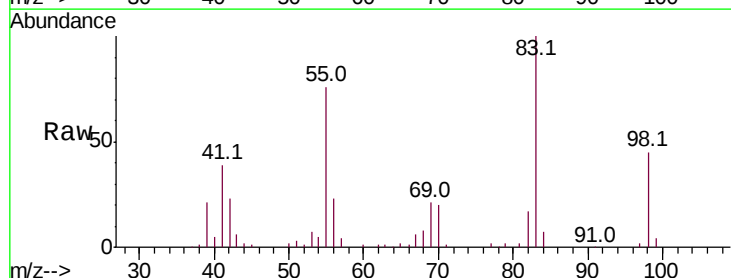
Manual Integrations
 APPROVED

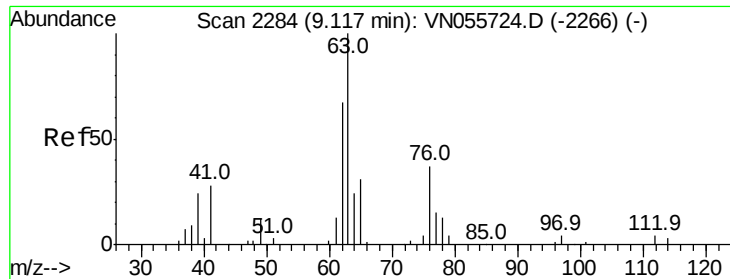
MMDadoda
 5/23/2019 12:29:53 PM



#38
 Methylcyclohexane
 Concen: 19.727 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion: 83 Resp: 108692
 Ion Ratio Lower Upper
 83 100
 55 73.8 37.8 113.4
 98 46.1 22.6 67.8





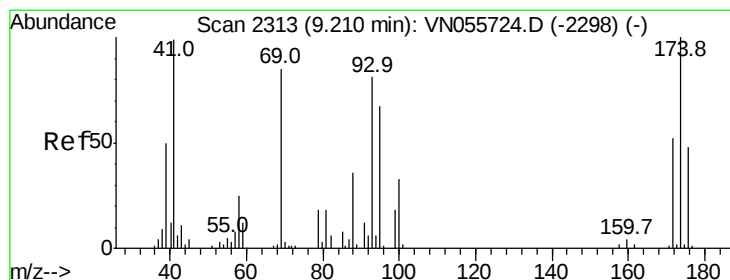
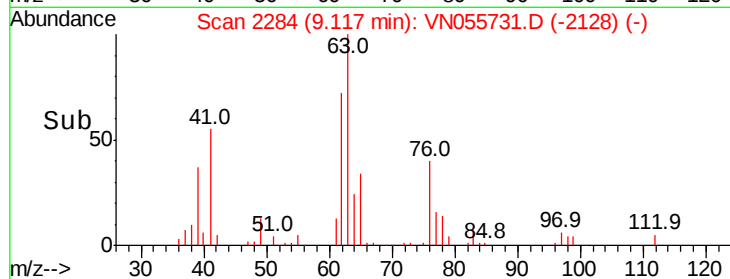
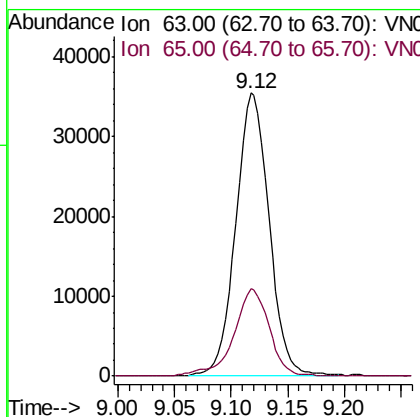
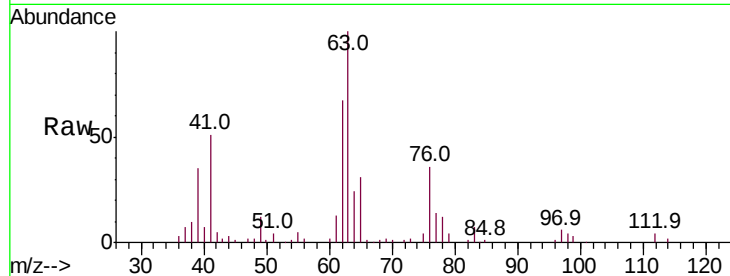
#39
 1,2-Dichloropropane
 Concen: 20.251 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.8	38.8

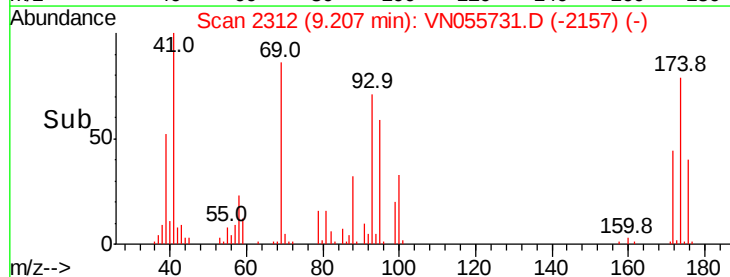
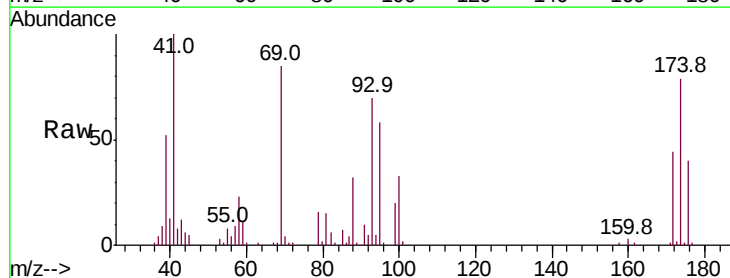
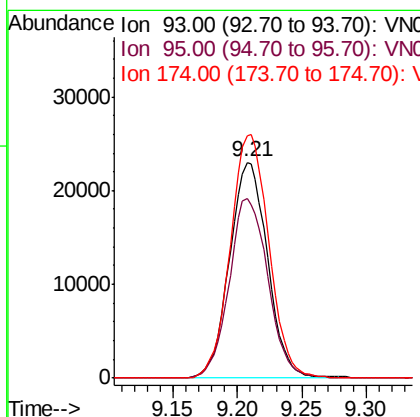
Manual Integrations
 APPROVED

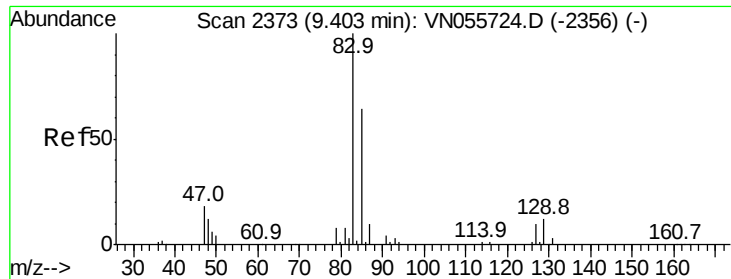
MMDadoda
 5/23/2019 12:29:53 PM



#40
 Dibromomethane
 Concen: 20.253 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	0.0	170.6
174	114.1	0.0	248.4





#41

Bromodichloromethane

Concen: 20.039 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

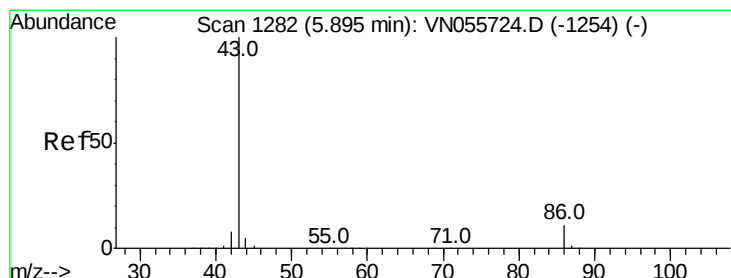
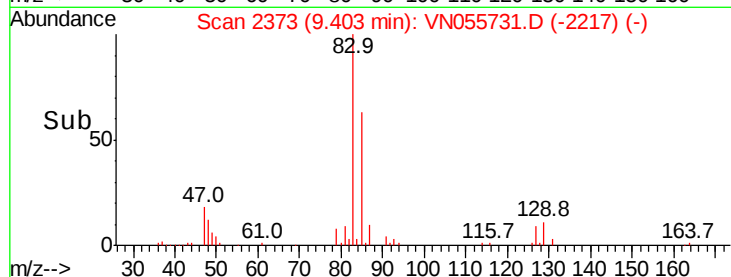
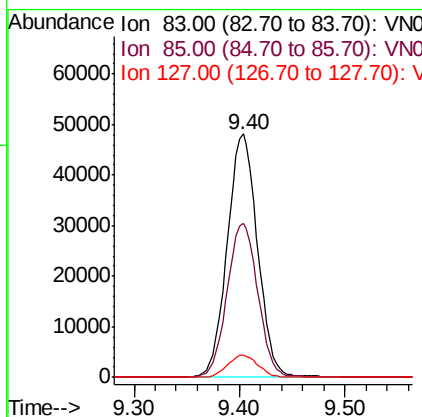
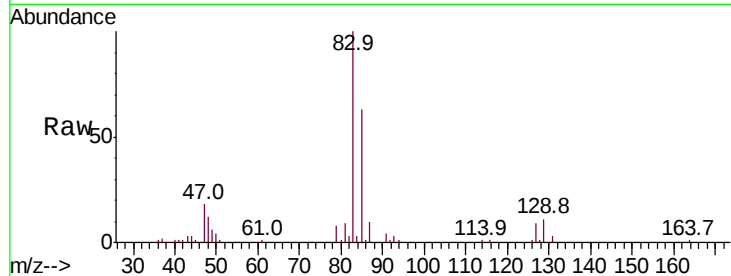
ClientSampleId :

VN0522WBS01

Tot Ion:	83	Resp:	95723
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.0
127	9.2	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
5/23/2019 12:29:53 PM



#42

Vinyl Acetate

Concen: 101.413 ug/l

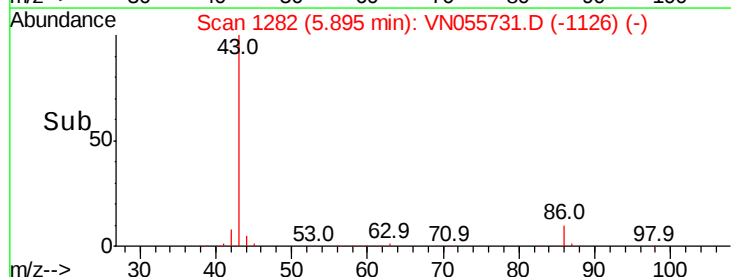
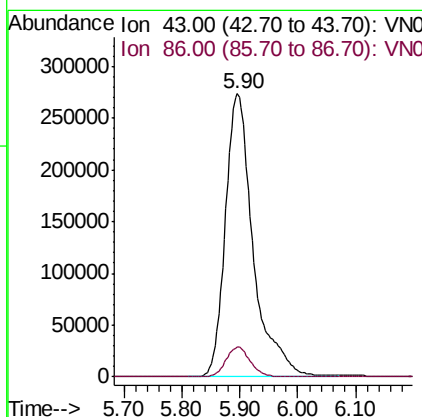
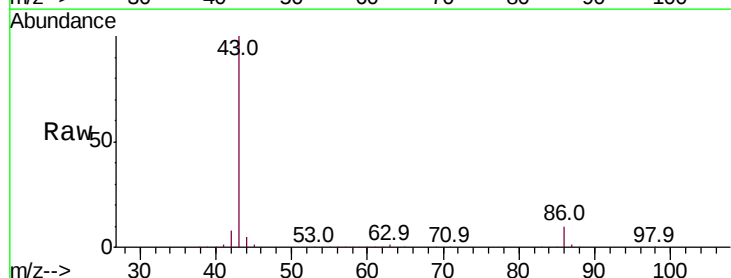
RT: 5.90 min Scan# 1282

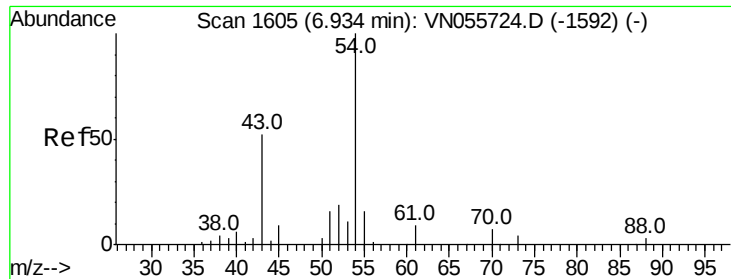
Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Tgt Ion:	43	Resp:	912668
Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.4	11.2





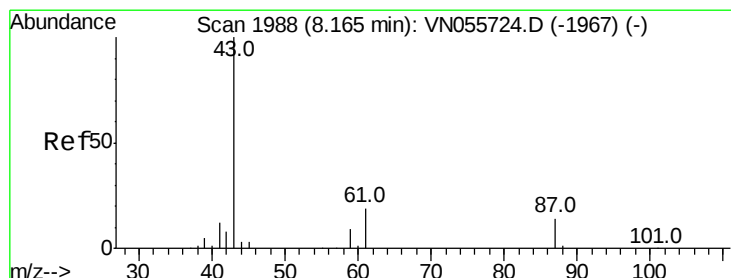
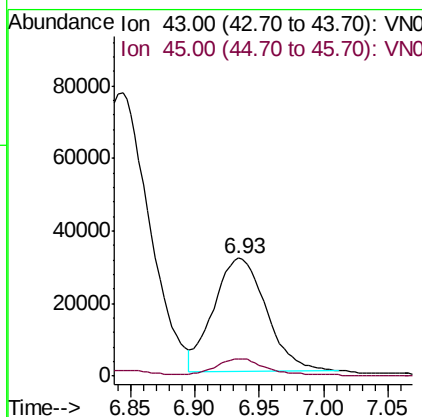
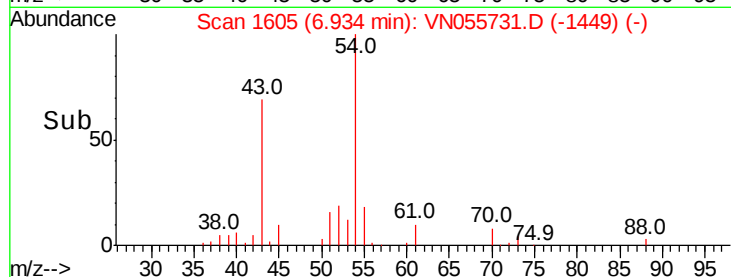
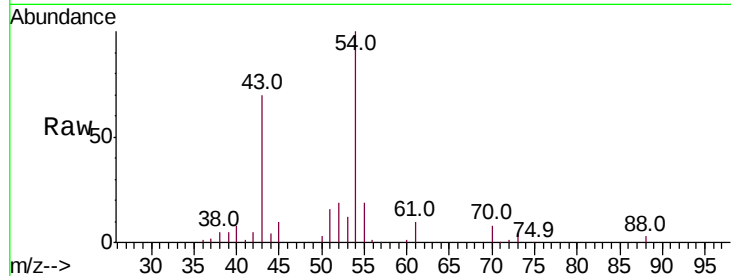
#43
Ethyl Acetate
Concen: 19.538 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion: 43 Resp: 89018
Ion Ratio Lower Upper
43 100
45 13.6 0.0 0.0#

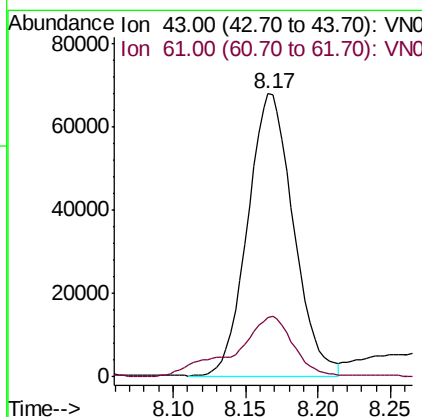
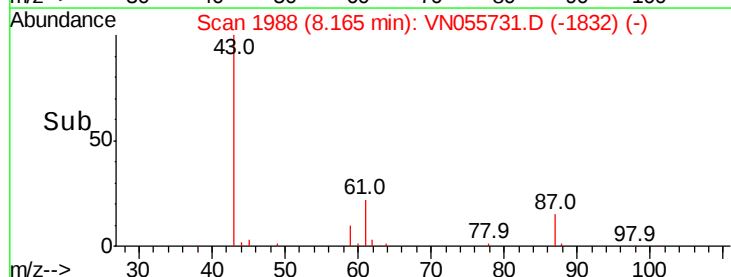
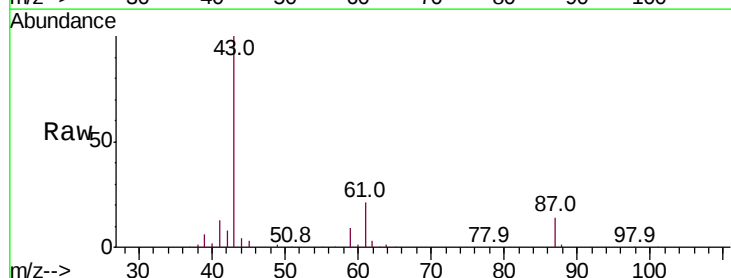
Manual Integrations
APPROVED

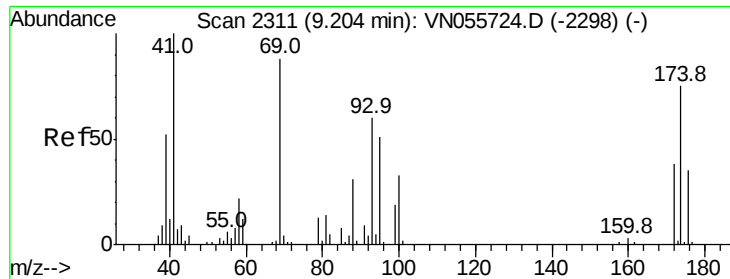
MMDadoda
5/23/2019 12:29:53 PM



#44
Isopropyl Acetate
Concen: 19.704 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion: 43 Resp: 148658
Ion Ratio Lower Upper
43 100
61 20.9 22.1 33.1#





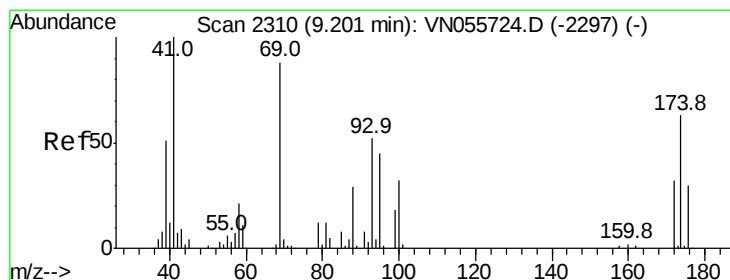
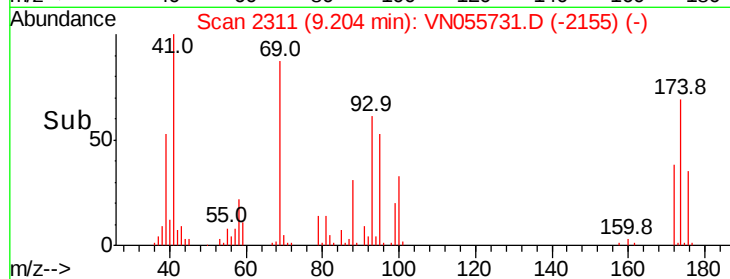
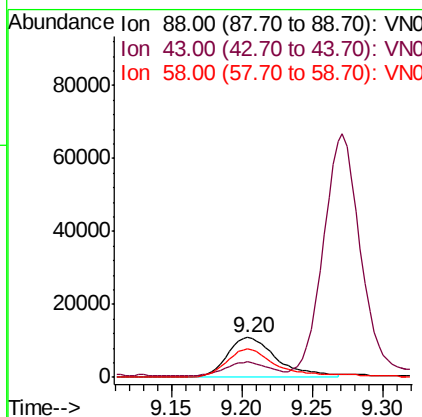
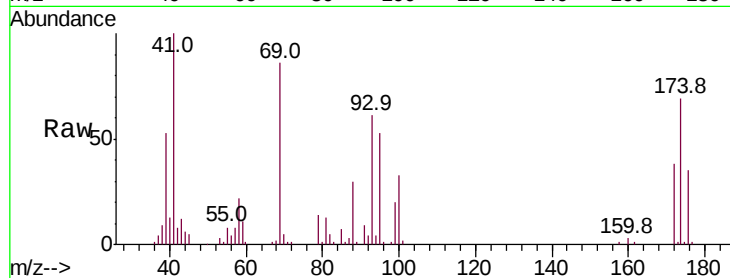
#45
1,4-Dioxane
Concen: 383.636 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	20.5	30.7
58	68.4	56.1	84.1

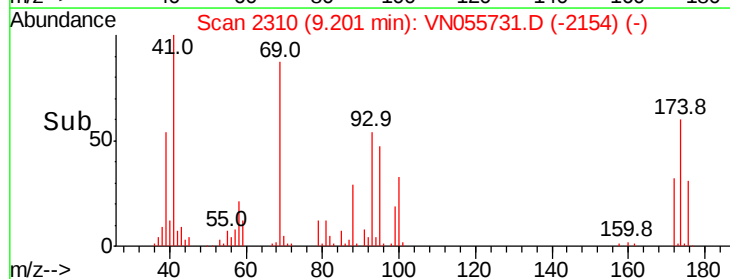
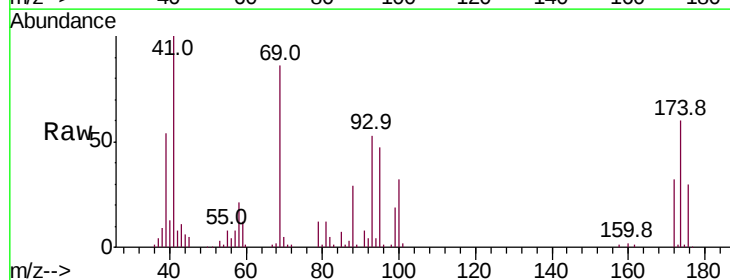
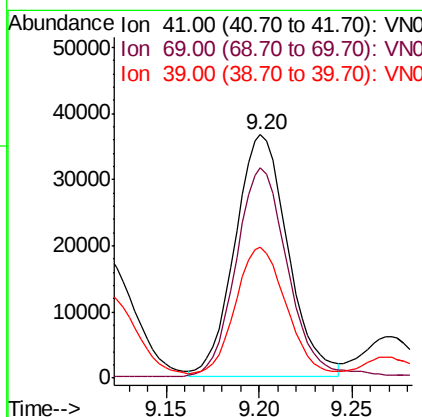
Manual Integrations
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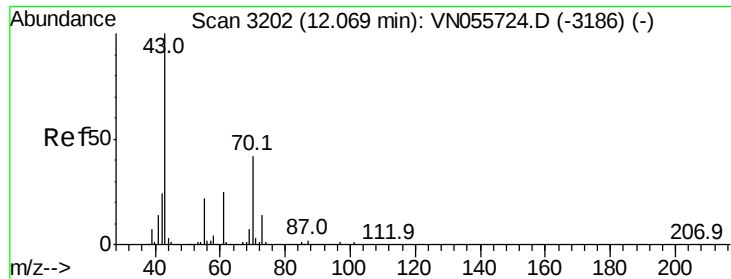
MMDadoda
5/23/2019 12:29:53 PM



#46
Methyl methacrylate
Concen: 20.561 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.6	43.8	131.4
39	53.1	25.6	76.6





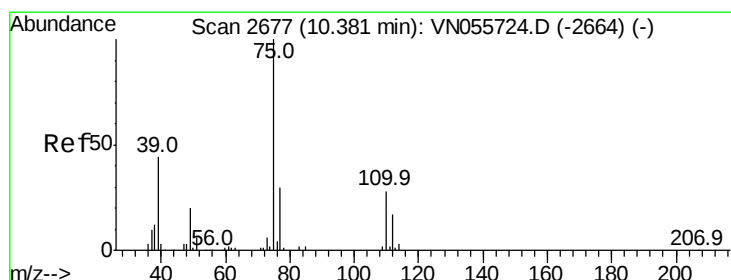
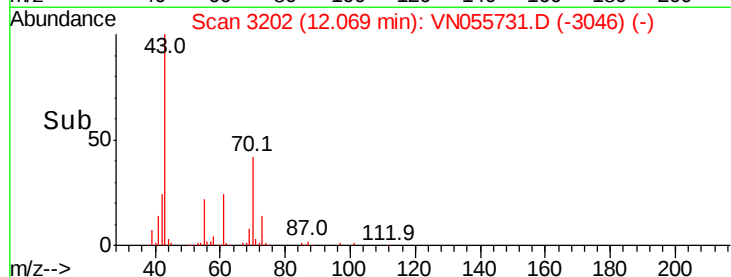
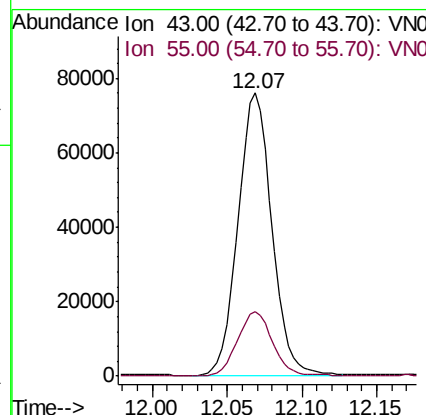
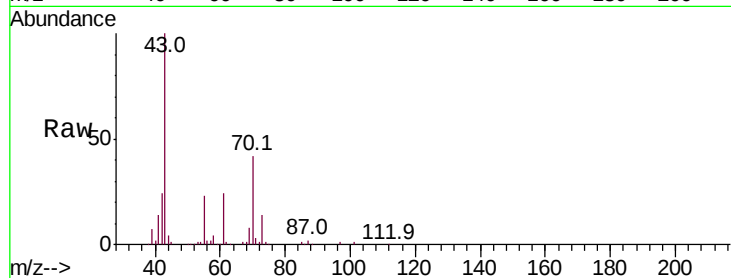
#47
n-amvl Acetate
Concen: 19.105 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion: 43 Resp: 119223
Ion Ratio Lower Upper
43 100
55 23.8 17.8 26.6

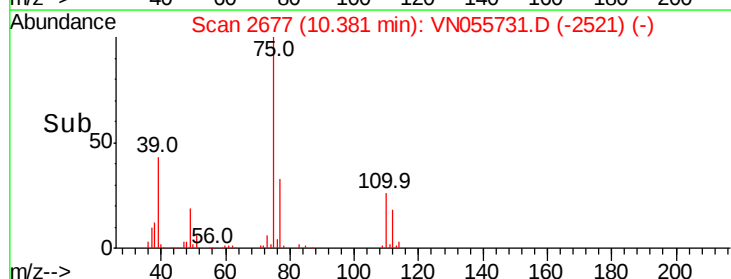
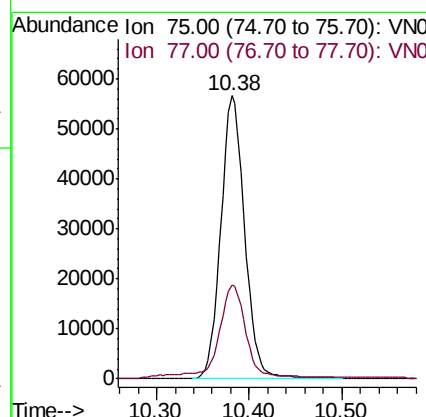
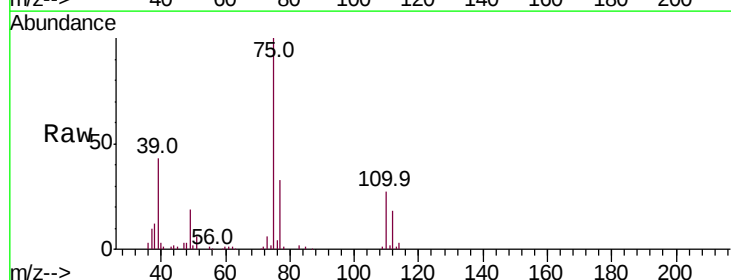
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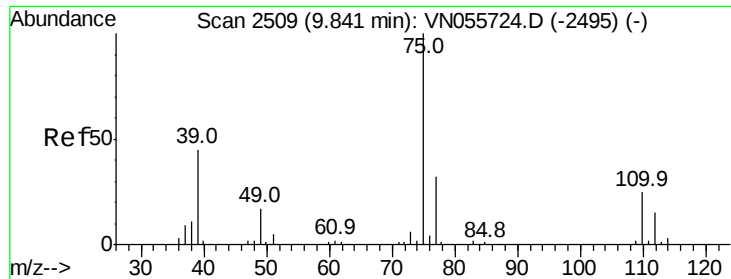
MMDadoda
5/23/2019 12:29:53 PM



#48
t-1,3-Dichloropropene
Concen: 19.250 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion: 75 Resp: 101502
Ion Ratio Lower Upper
75 100
77 32.4 25.2 37.8





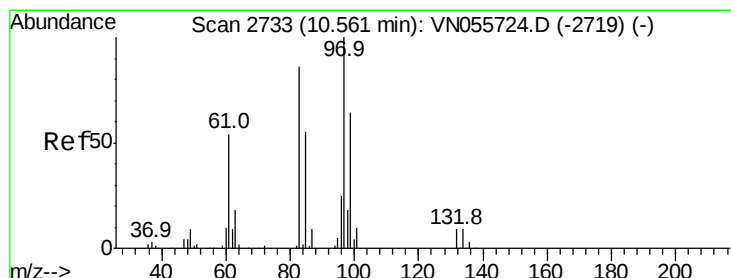
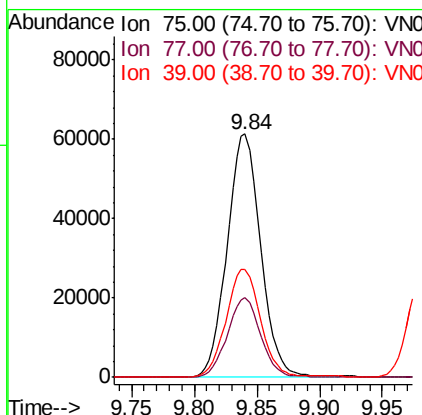
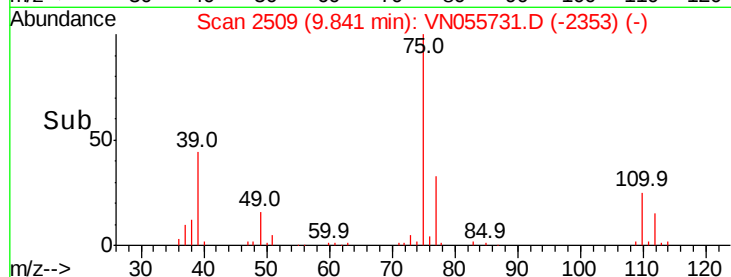
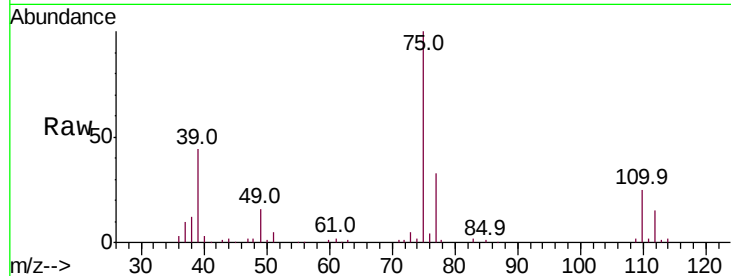
#49
 cis-1,3-Dichloropropene
 Concen: 19.774 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	32.6	26.0	39.0	
39	43.9	36.2	54.4	

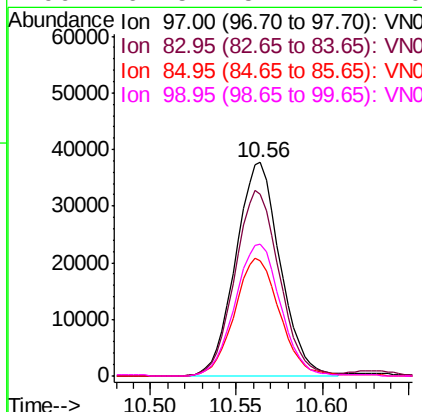
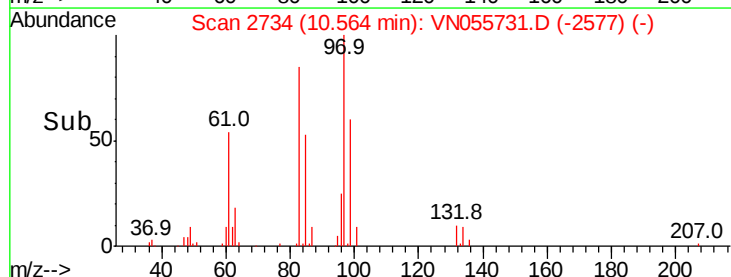
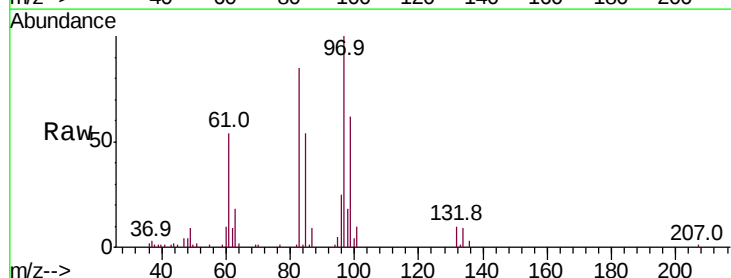
Manual Integrations
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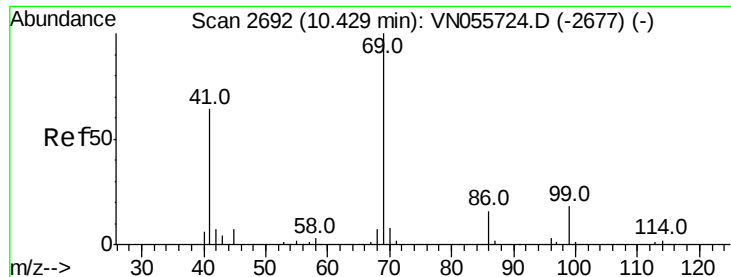
MMDadoda
 5/23/2019 12:29:53 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.960 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	84.9	68.9	103.3	
85	54.1	44.3	66.5	
99	61.5	51.4	77.0	





#51

Ethyl methacrylate

Concen: 20.002 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

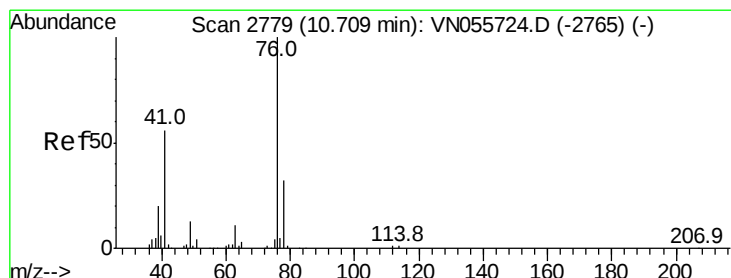
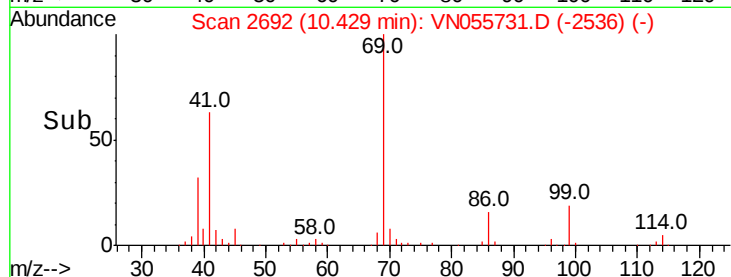
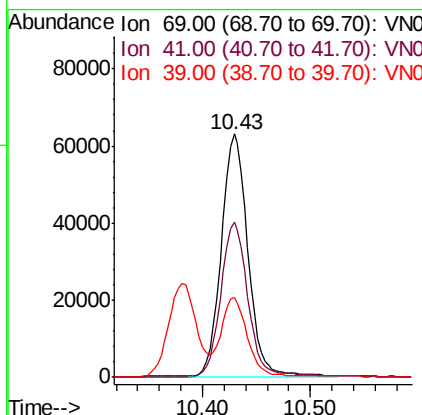
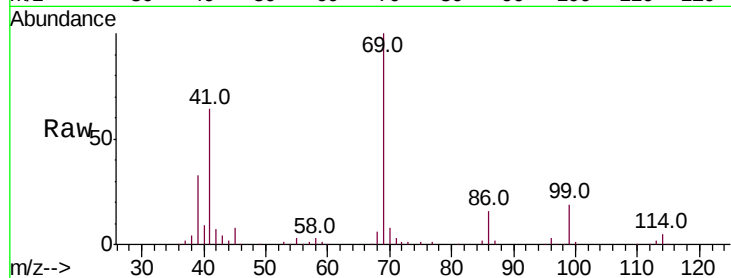
ClientSampled :

VN0522WBS01

Tot Ion:	69	Resp:	109389
Ion Ratio	Lower	Upper	
69	100		
41	63.1	31.9	95.7
39	32.1	15.7	47.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.226 ug/l

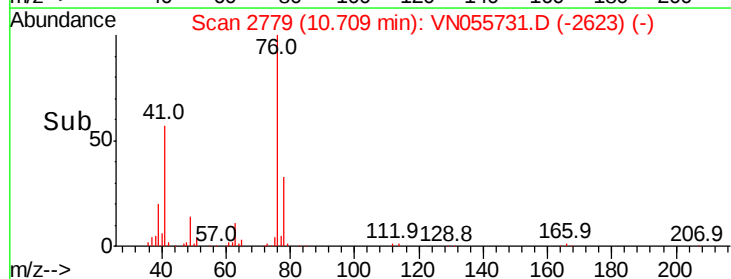
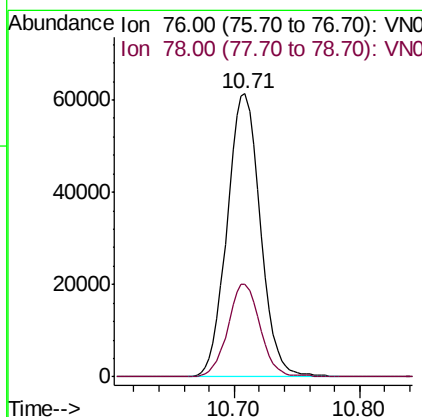
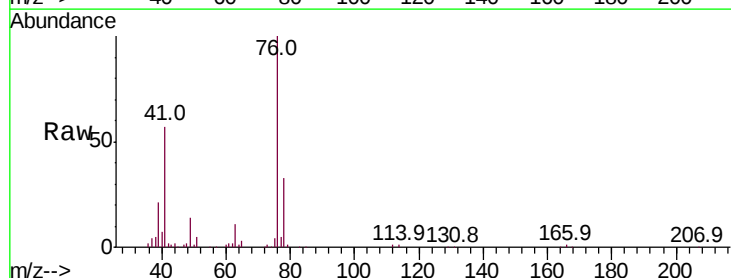
RT: 10.71 min Scan# 2779

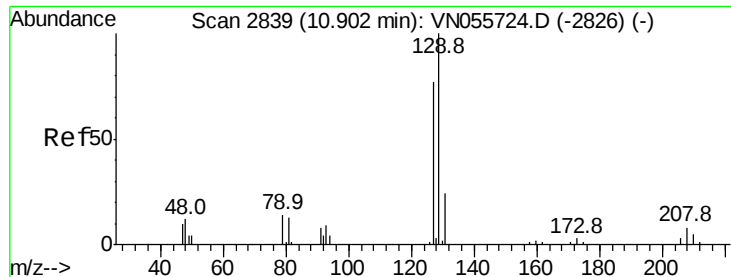
Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Tgt Ion:	76	Resp:	113118
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	65.0





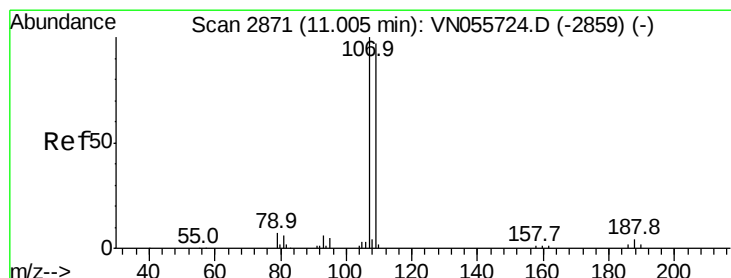
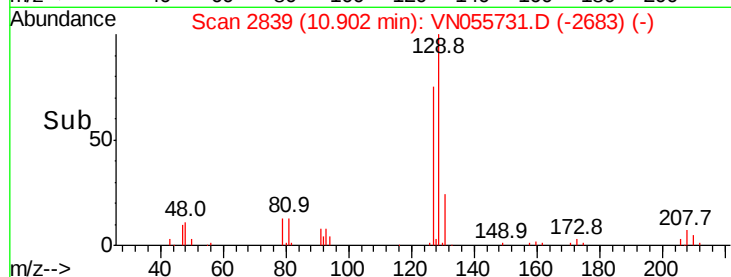
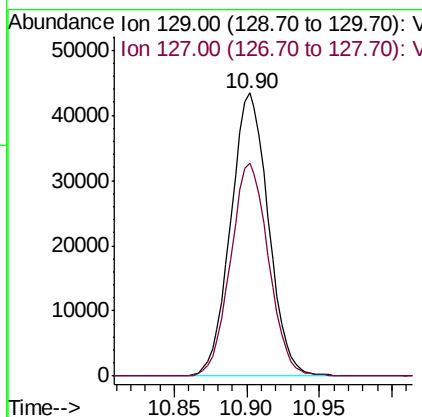
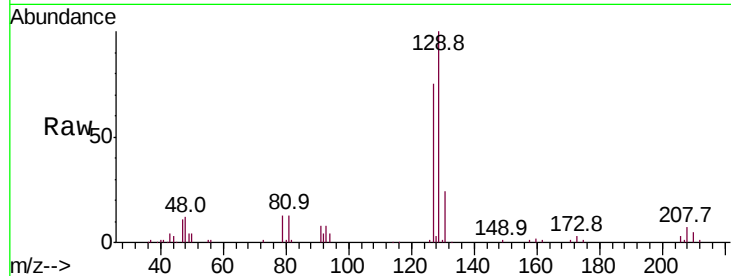
#53
Dibromochloromethane
Concen: 19.607 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion:129 Resp: 78588
Ion Ratio Lower Upper
129 100
127 75.8 39.2 117.6

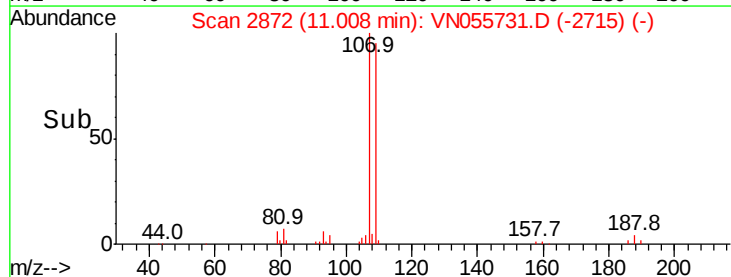
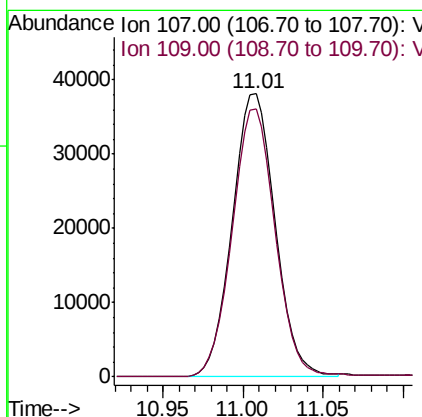
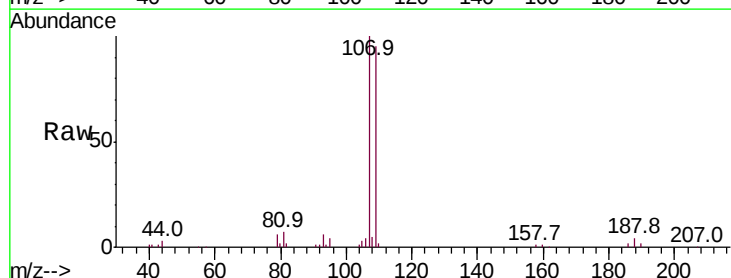
Manual Integrations
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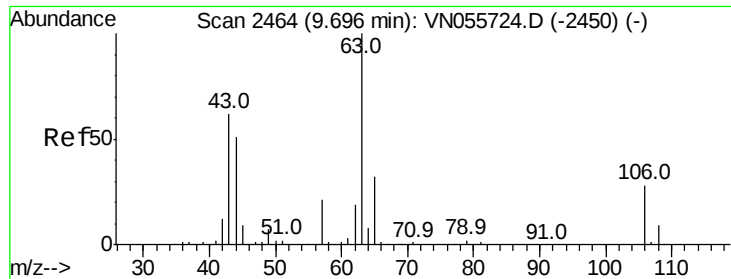
MMDadoda
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#54
1,2-Dibromoethane
Concen: 19.852 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion:107 Resp: 69700
Ion Ratio Lower Upper
107 100
109 95.2 76.6 115.0





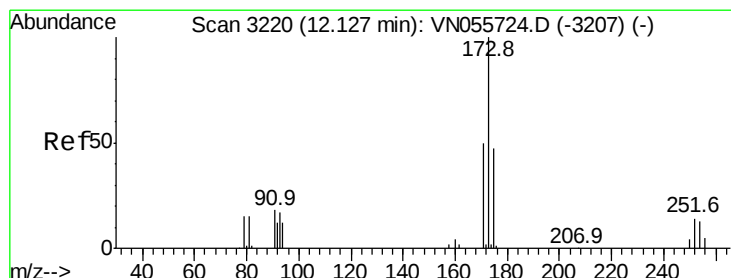
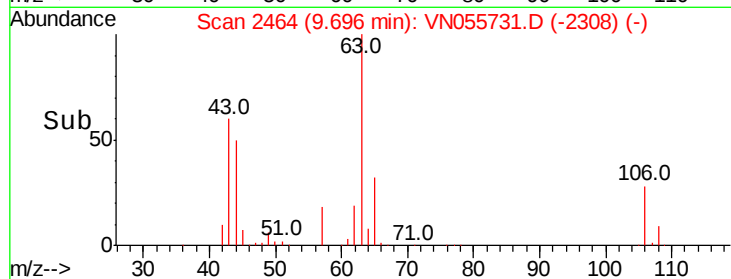
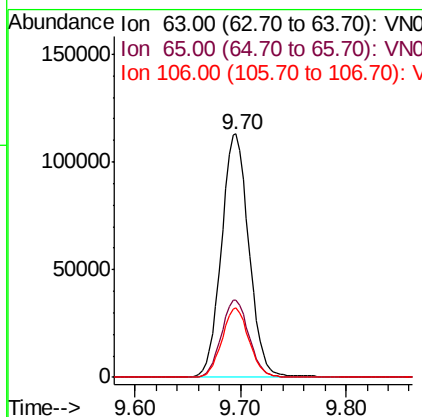
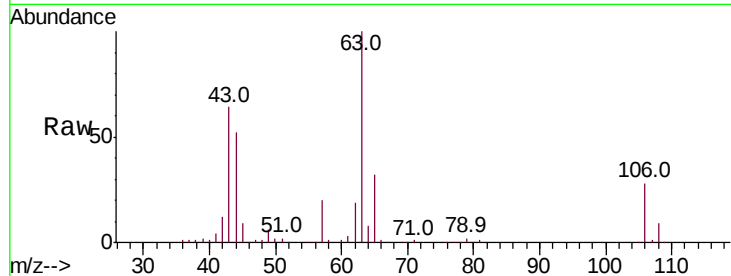
#55
2-Chloroethyl vinyl ether
Concen: 95.887 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.0
106	28.0	22.1	33.1

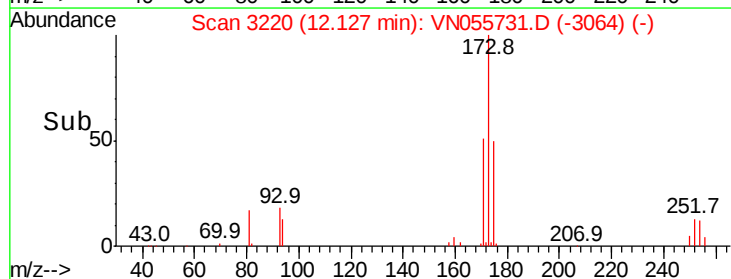
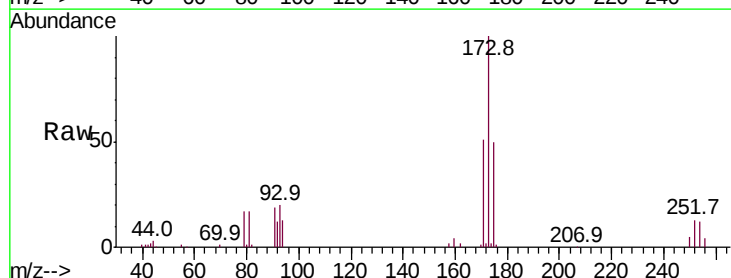
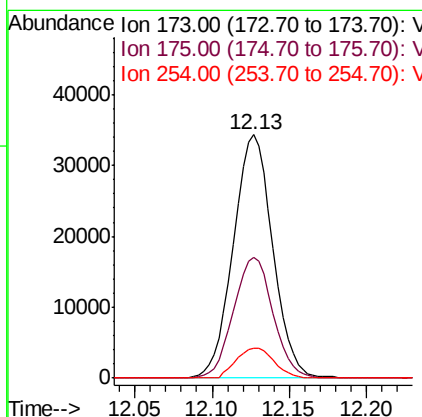
Manual Integrations
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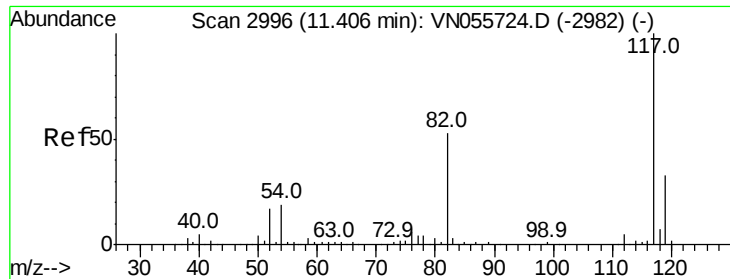
MMDadoda
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#56
Bromoform
Concen: 18.486 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	38.5	57.7
254	11.8	9.4	14.0





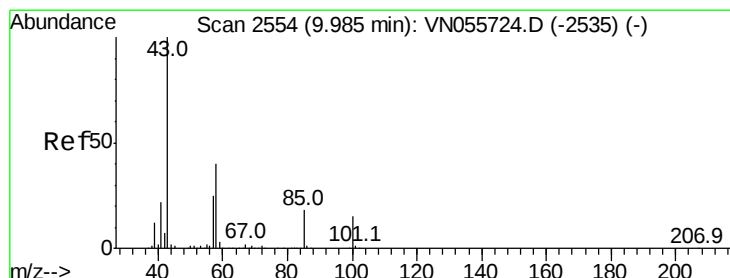
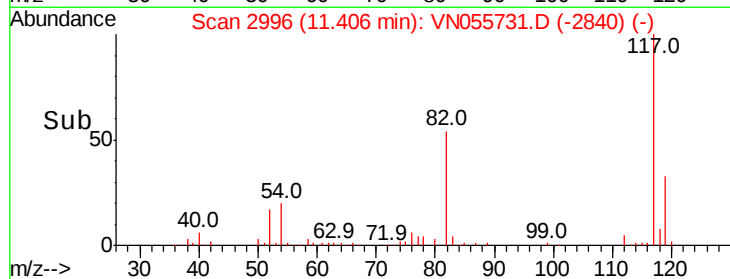
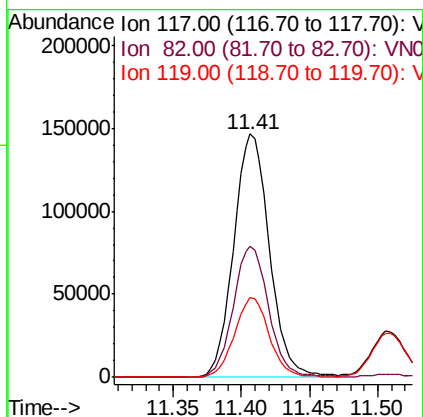
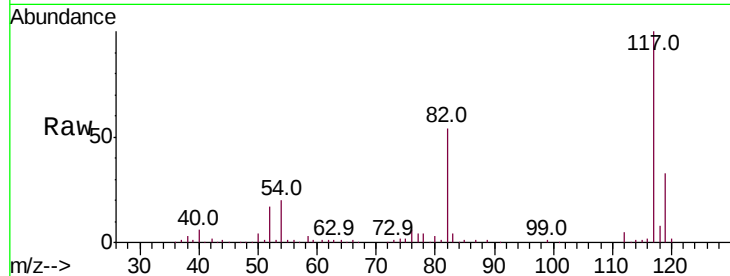
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.6	42.6	64.0
119	32.0	25.9	38.9

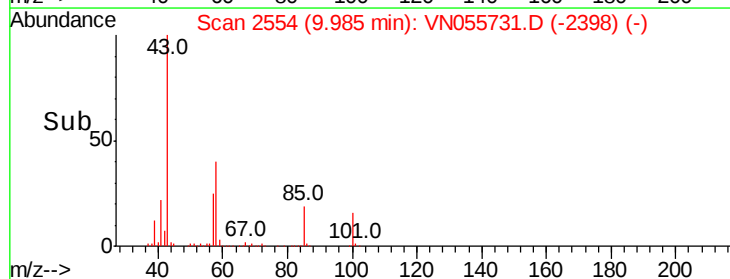
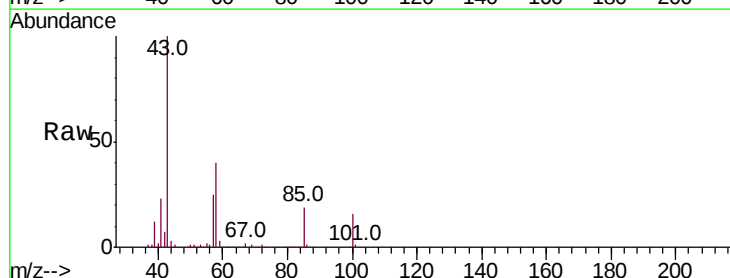
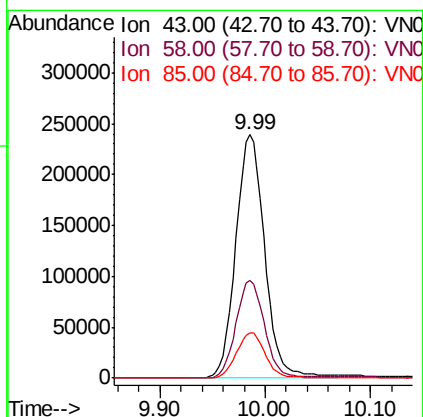
Manual Integrations
APPROVED

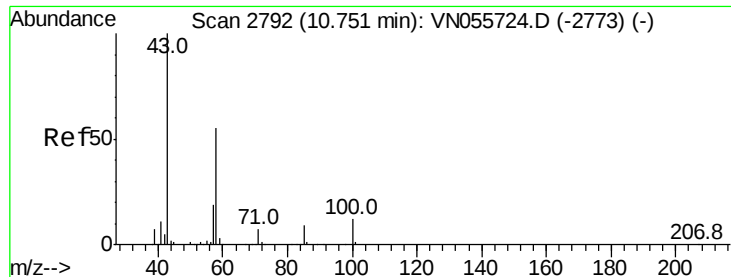
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 102.442 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	40.1	31.7	47.5
85	18.8	14.5	21.7





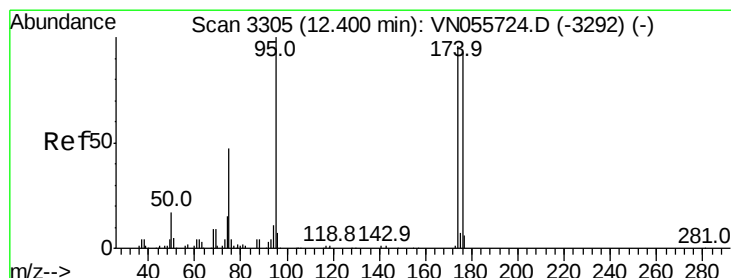
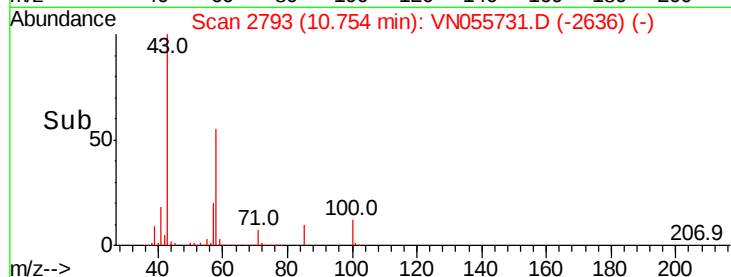
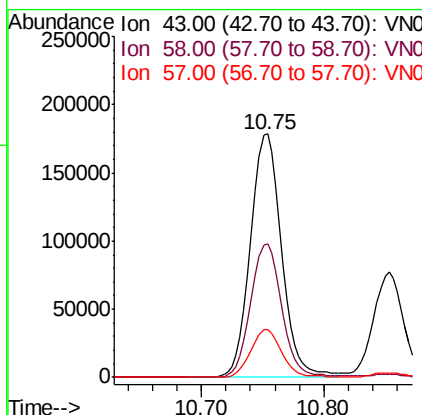
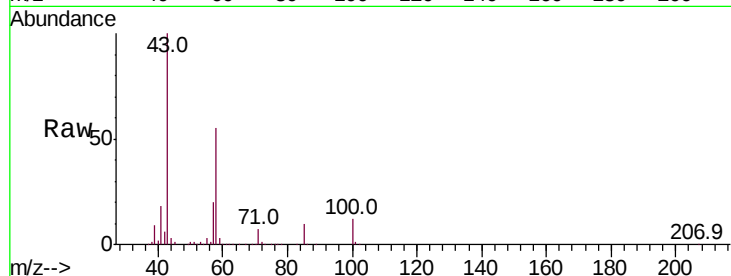
#59
2-Hexanone
Concen: 98.803 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.8	67.2
57	19.5	15.3	22.9

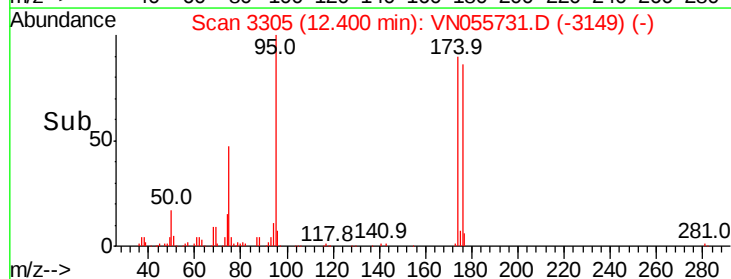
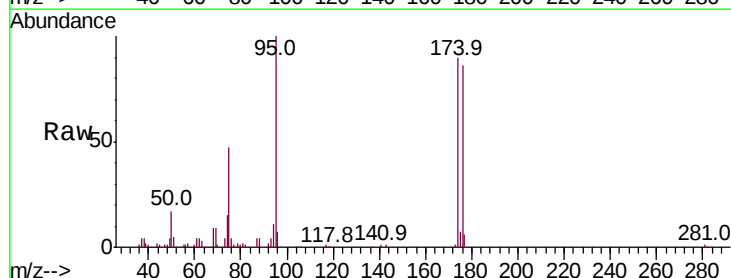
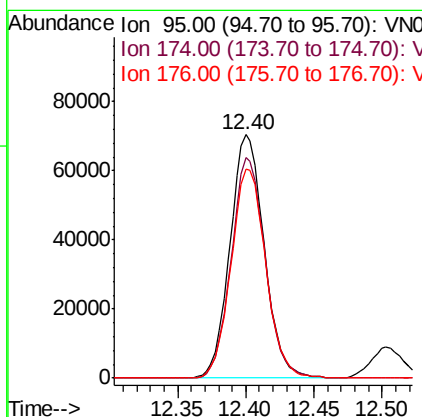
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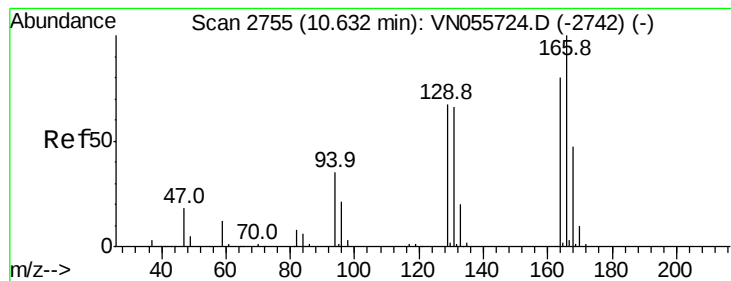
MMDadoda
5/23/2019 12:29:53 PM



#60
4-Bromofluorobenzene
Concen: 29.581 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	75.7	113.5
176	87.2	74.1	111.1





#61

Tetrachloroethene

Concen: 19.860 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampled :

VN0522WBS01

Tot Ion:164 Resp: 71651

Ion Ratio Lower Upper

164 100

166 122.9 100.6 150.8

129 88.9 67.4 101.2

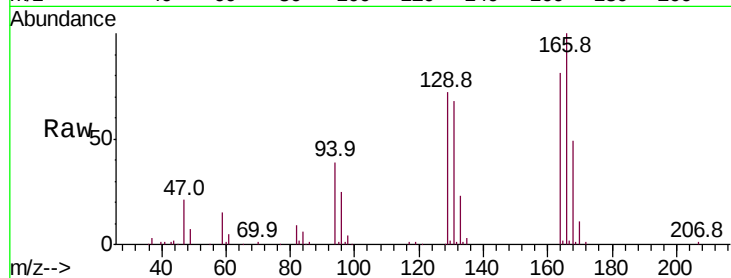
131 83.6 66.6 99.8

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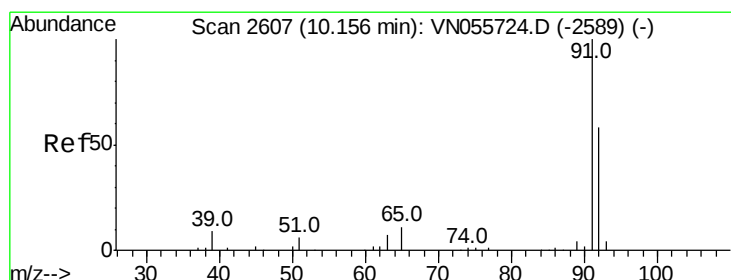
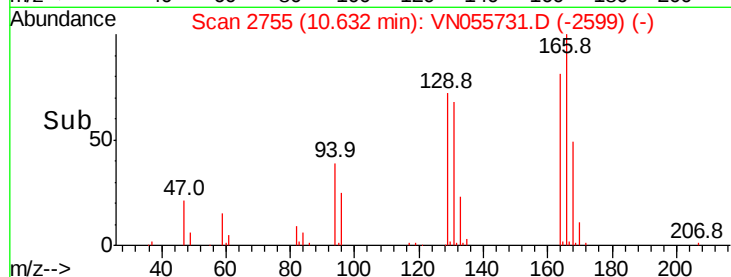
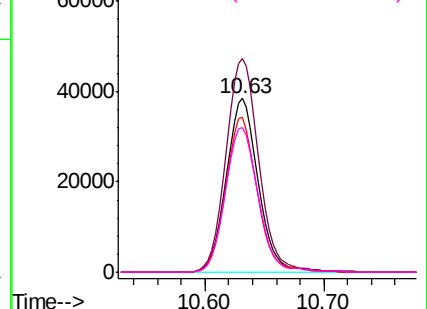


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.562 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055731.D

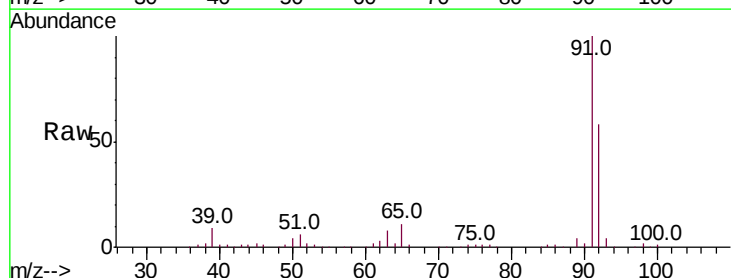
Acq: 22 May 2019 21:07

Tgt Ion: 91 Resp: 294694

Ion Ratio Lower Upper

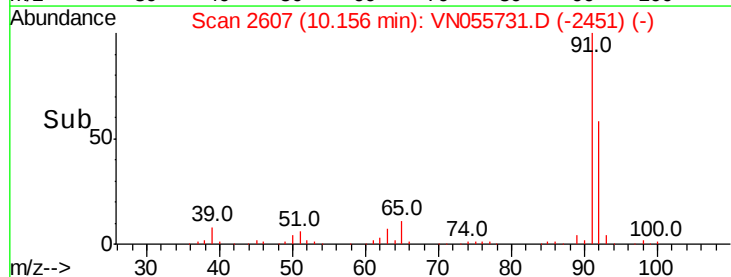
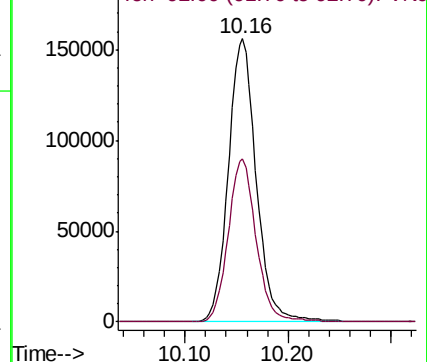
91 100

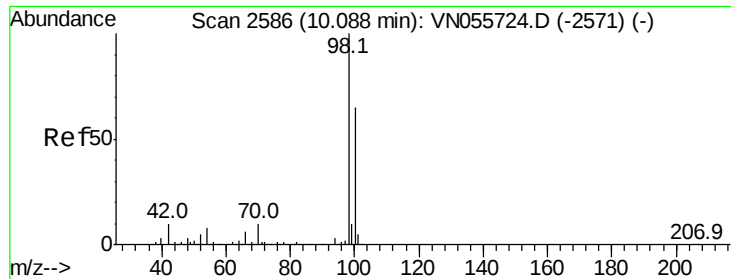
92 58.0 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.844 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tot Ion: 98 Resp: 375665

Ion Ratio Lower Upper

98 100

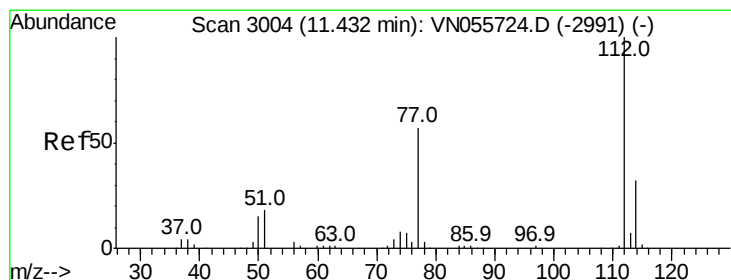
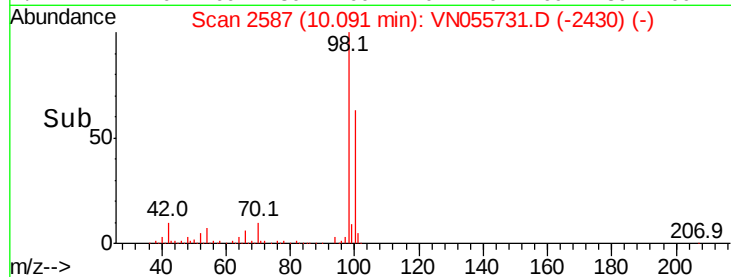
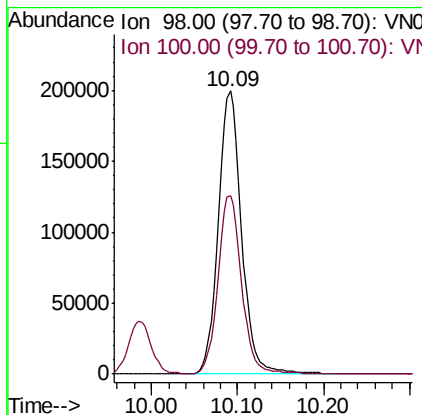
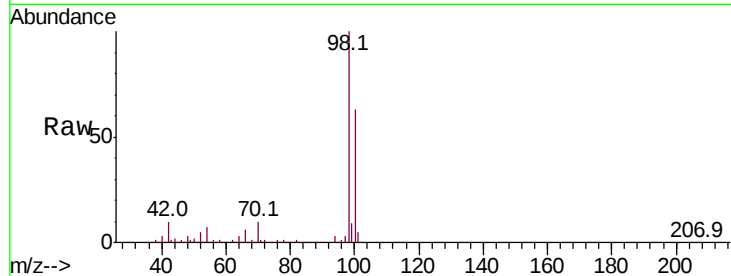
100 63.1 51.6 77.4

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#64

Chlorobenzene

Concen: 20.257 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055731.D

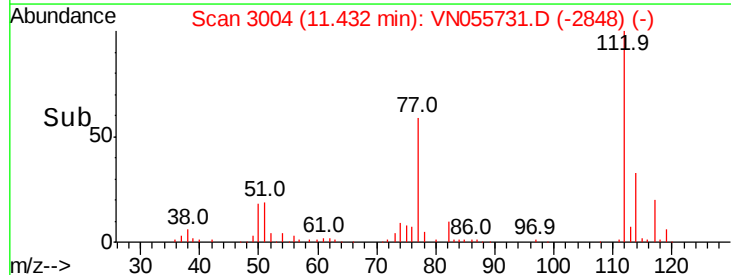
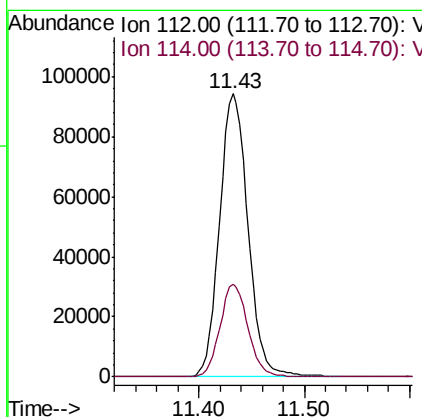
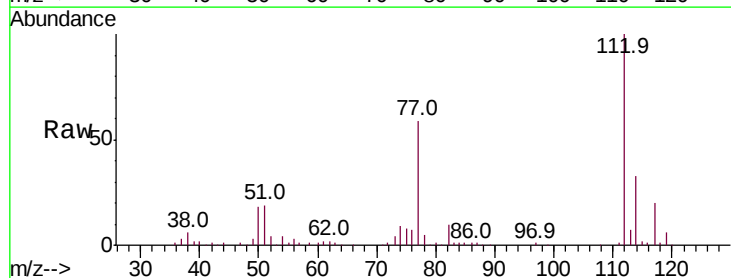
Acq: 22 May 2019 21:07

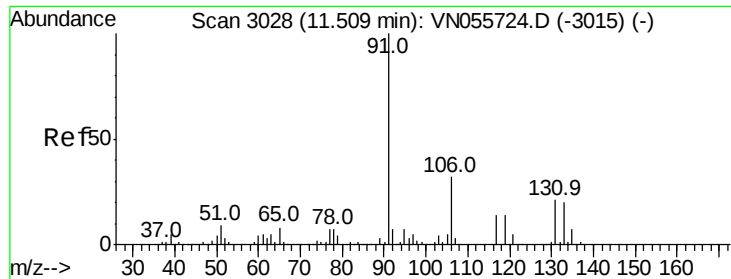
Tgt Ion: 112 Resp: 176114

Ion Ratio Lower Upper

112 100

114 32.8 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 20.164 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

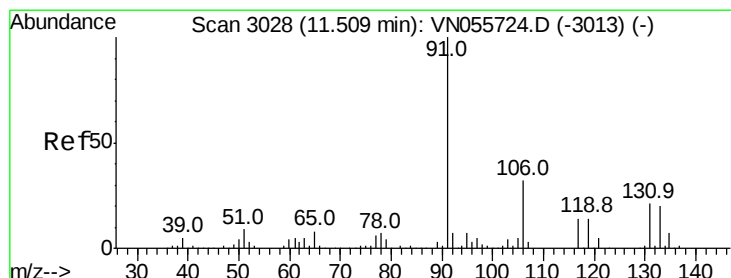
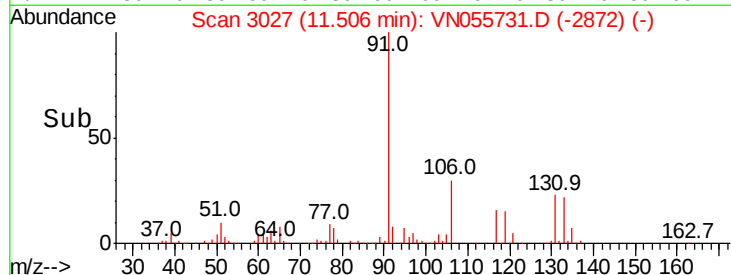
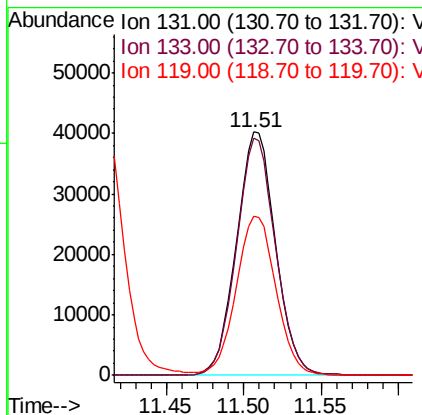
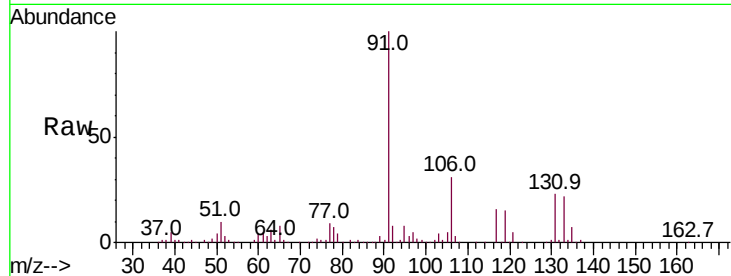
ClientSampled :

VN0522WBS01

Tot Ion:	131	Resp:	70631
Ion Ratio	Lower	Upper	
131	100		
133	97.3	0.0	188.8
119	66.6	0.0	133.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.492 ug/l

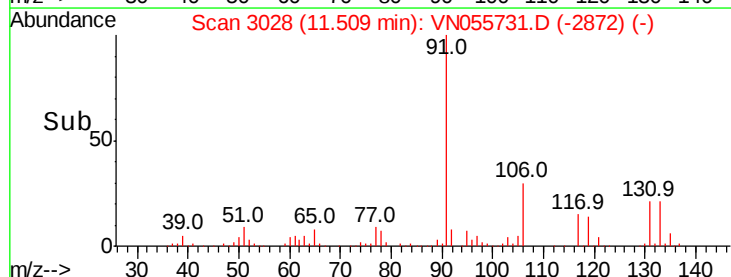
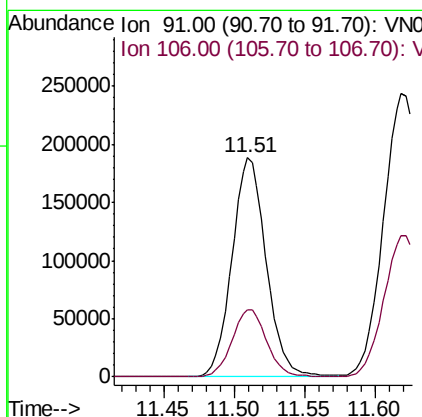
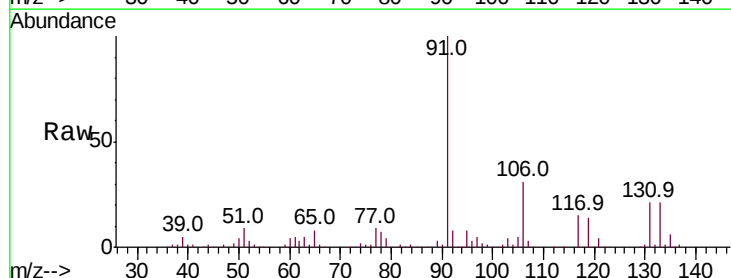
RT: 11.51 min Scan# 3028

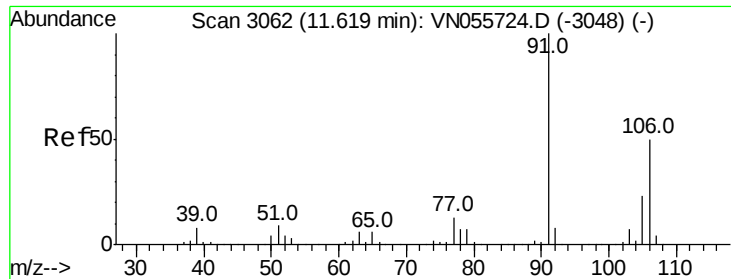
Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Tgt Ion:	91	Resp:	320885
Ion Ratio	Lower	Upper	
91	100		
106	30.7	25.6	38.4





#67

m/p-Xvlenes

Concen: 40.734 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampled :

VN0522WBS01

Tot Ion:106 Resp: 242309

Ion Ratio Lower Upper

106 100

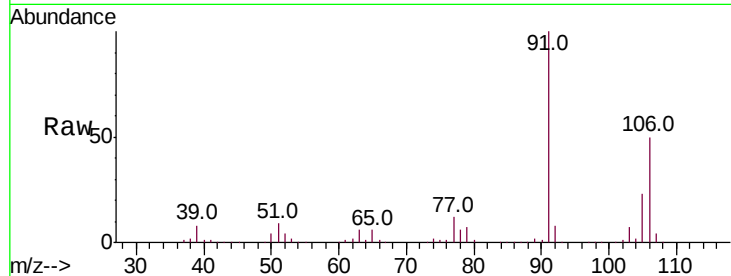
91 200.0 159.5 239.3

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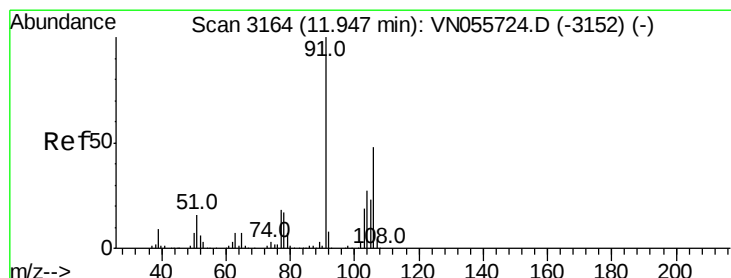
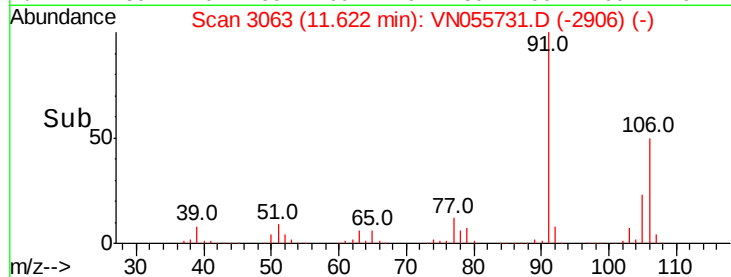
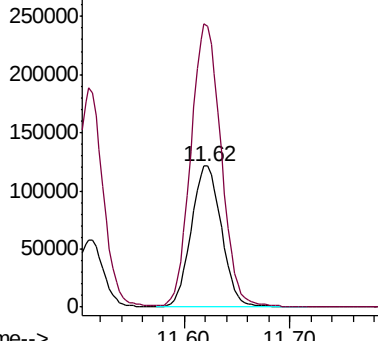
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.396 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055731.D

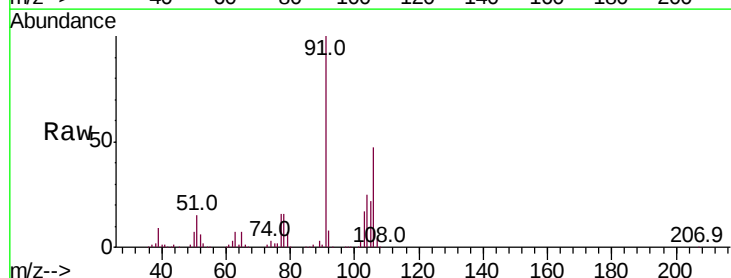
Acq: 22 May 2019 21:07

Tgt Ion:106 Resp: 120064

Ion Ratio Lower Upper

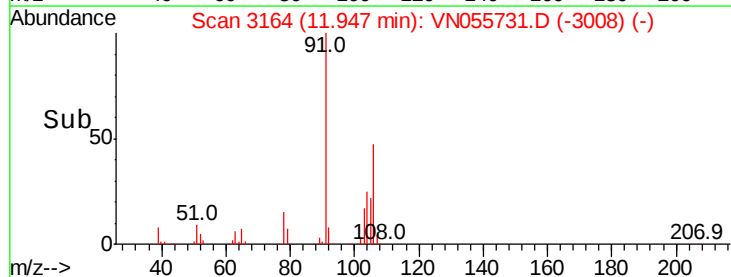
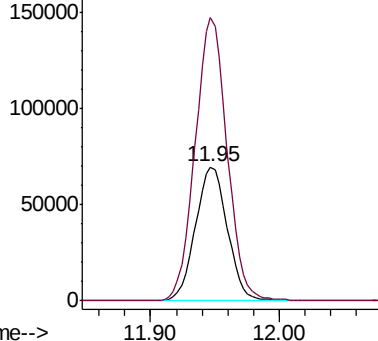
106 100

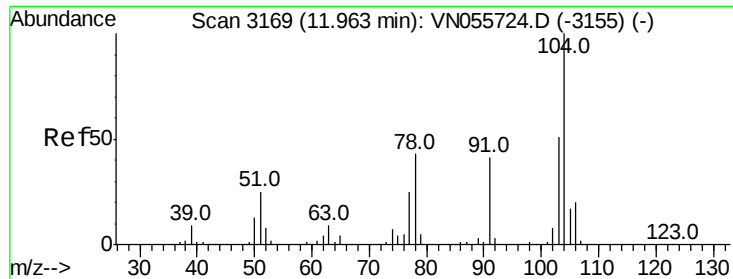
91 211.3 105.4 316.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





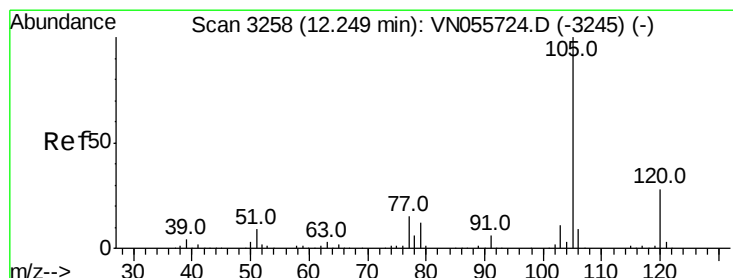
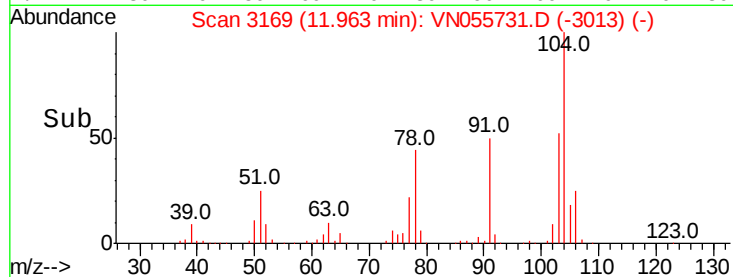
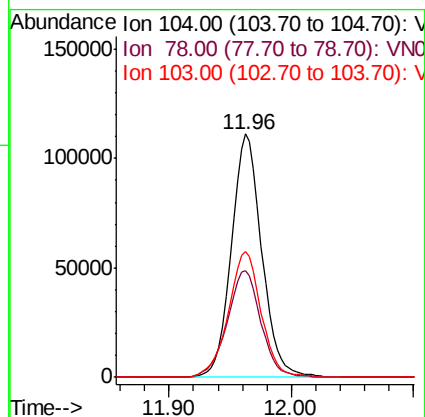
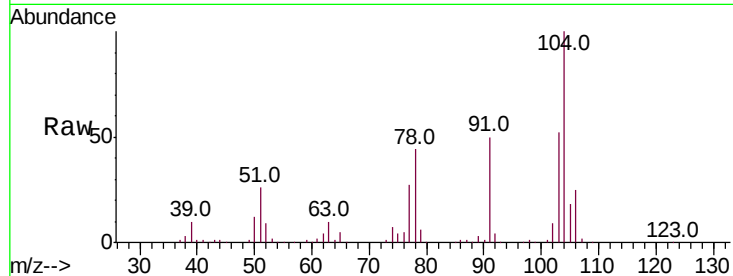
#69
Stvrene
Concen: 19.884 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.7	58.1
103	56.0	45.0	67.6

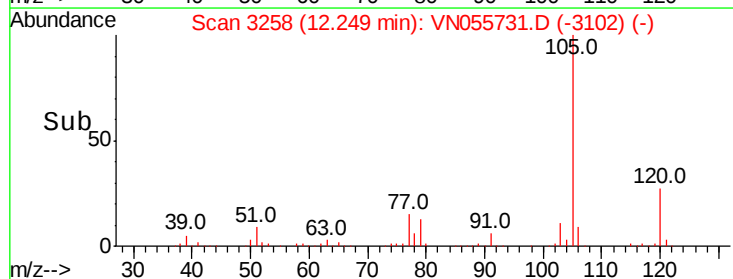
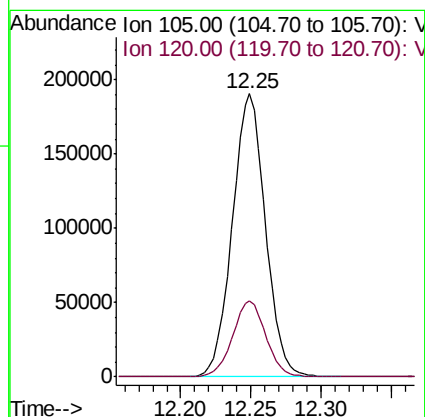
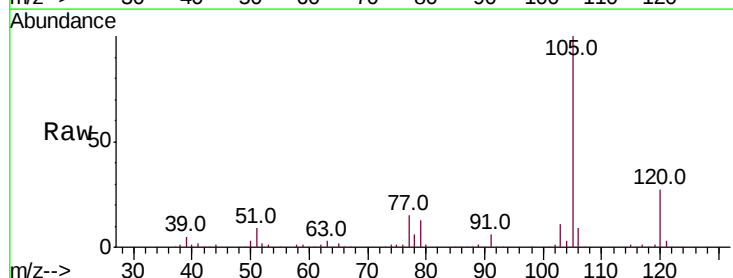
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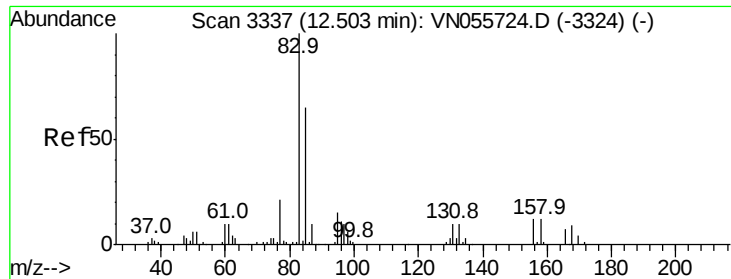
MMDadoda
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#70
Isopropylbenzene
Concen: 20.269 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.2	35.6





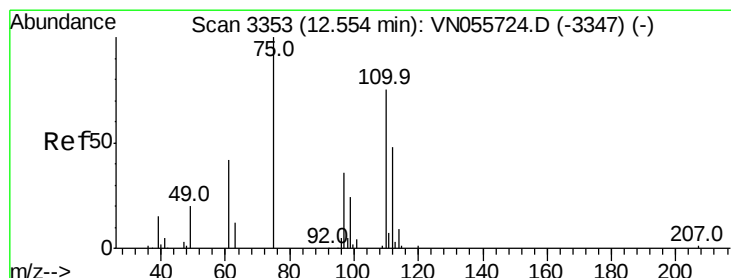
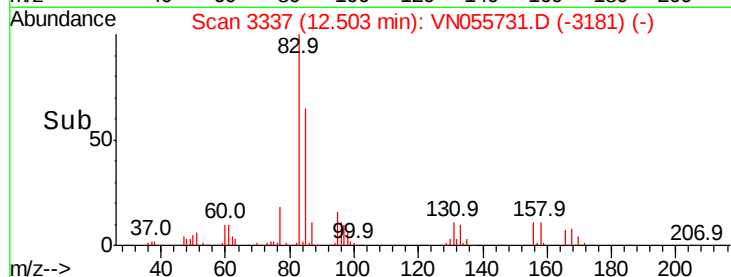
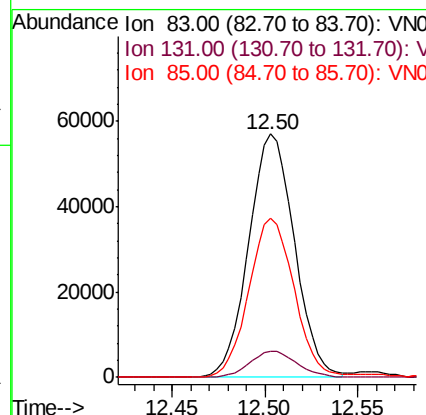
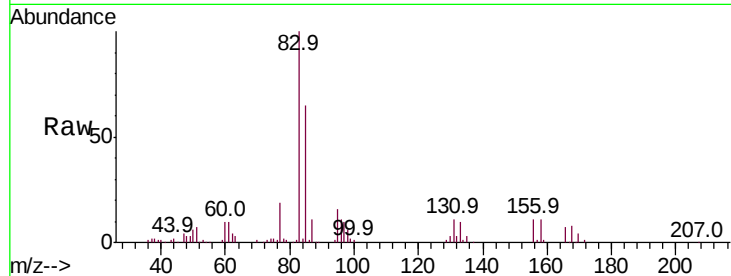
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.564 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Tot Ion	83	Resp	97474
Ion Ratio	100	Lower	Upper
131	11.0	5.3	15.8
85	65.0	32.3	96.9

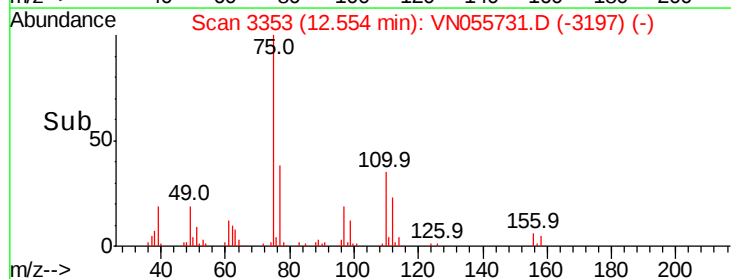
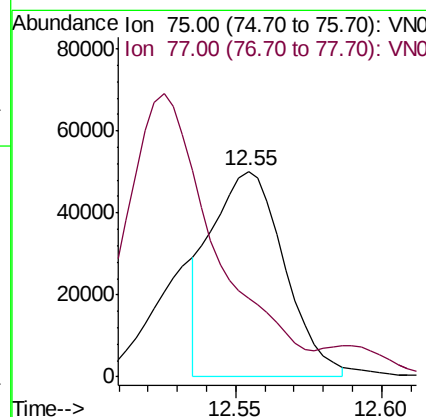
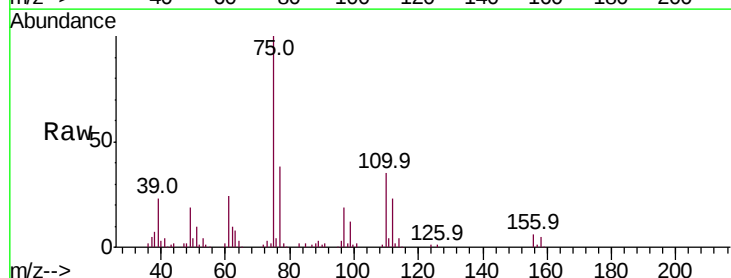
Manual Integrations
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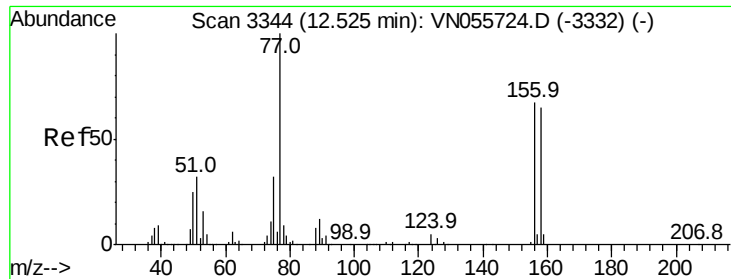
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#72
 1,2,3-Trichloropropane
 Concen: 21.426 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion	75	Resp	87408
Ion Ratio	100	Lower	Upper
77	170.4	0.0	349.8





#73

Bromobenzene

Concen: 19.318 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

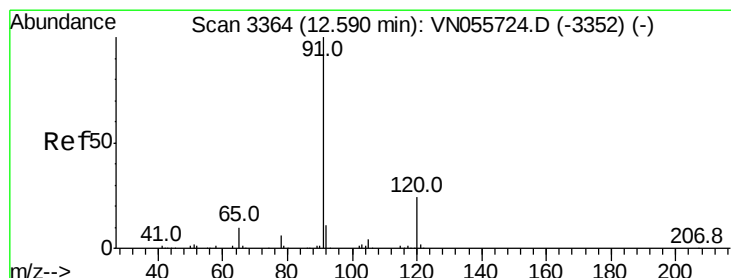
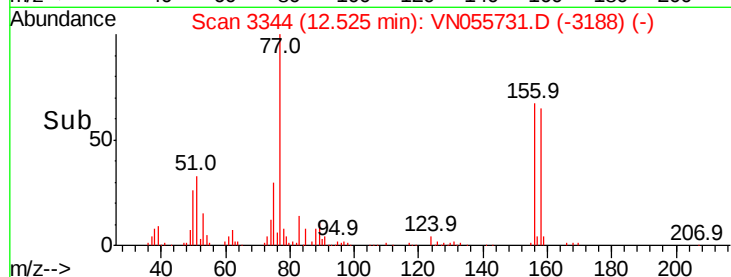
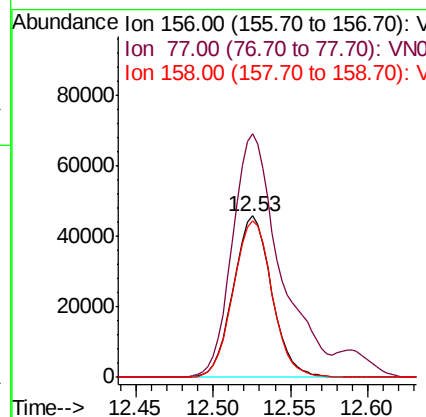
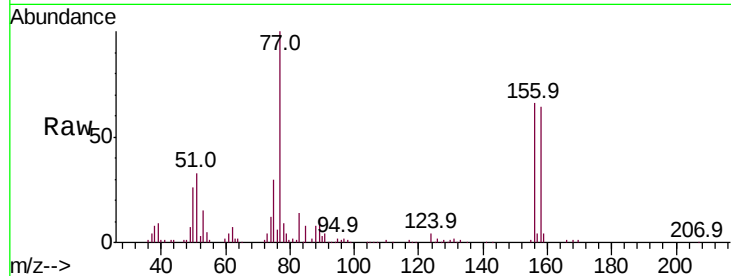
ClientSampleId :

VN0522WBS01

Tot Ion:	156	Resp:	78711
Ion Ratio	Lower	Upper	
156	100		
77	189.2	0.0	368.0
158	98.5	0.0	195.0

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#74

n-propylbenzene

Concen: 20.042 ug/l

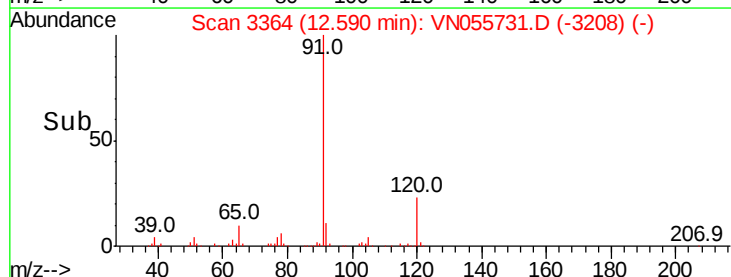
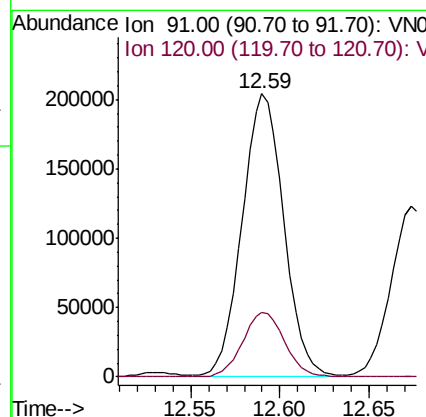
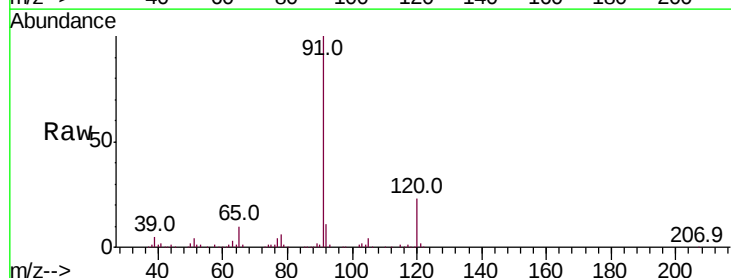
RT: 12.59 min Scan# 3364

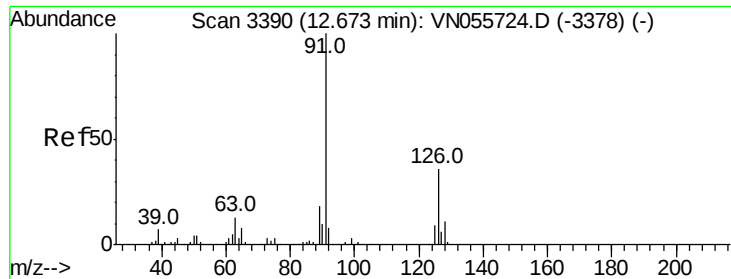
Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Tgt Ion:	91	Resp:	332920
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	47.4





#75

2-Chlorotoluene

Concen: 20.363 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tot Ion: 91 Resp: 206626

Ion Ratio Lower Upper

91 100

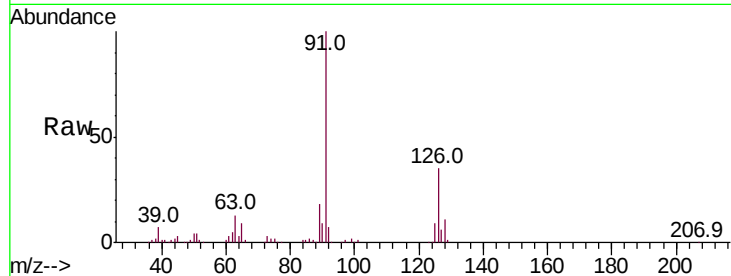
126 34.9 0.0 71.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055724.D (-3378) (-)

150000

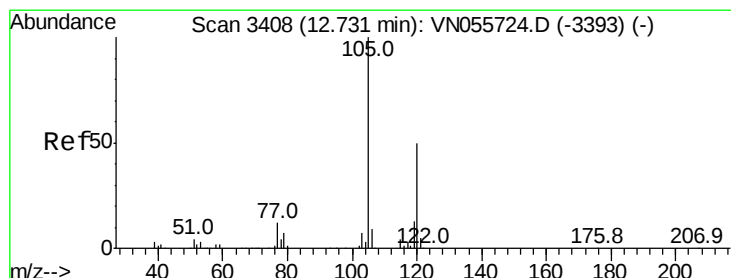
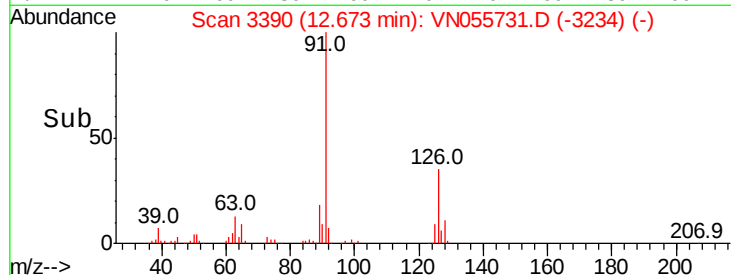
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.270 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055731.D

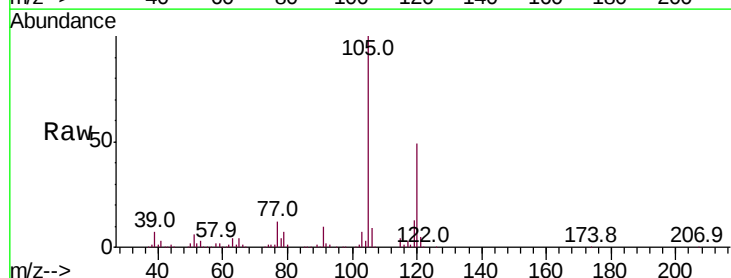
Acq: 22 May 2019 21:07

Tgt Ion:105 Resp: 258053

Ion Ratio Lower Upper

105 100

120 49.4 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055724.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055724.D (-3393) (-)

150000

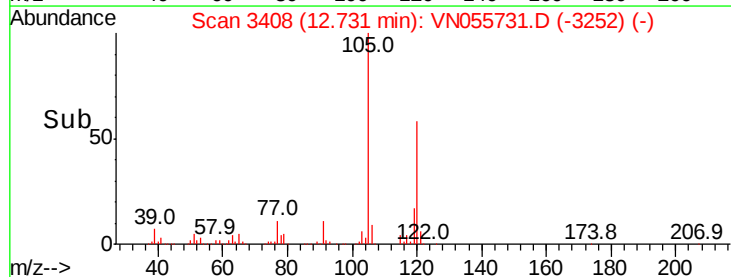
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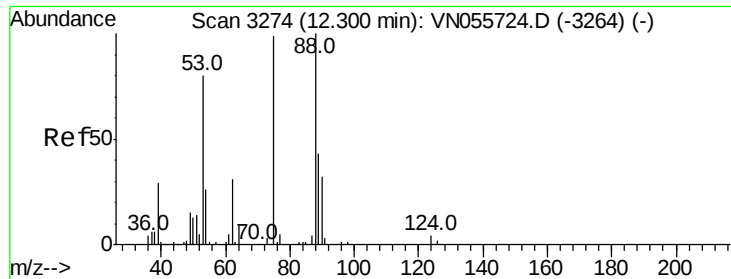
50000

0

12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.254 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

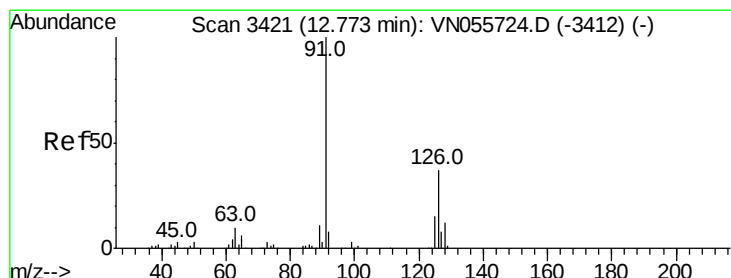
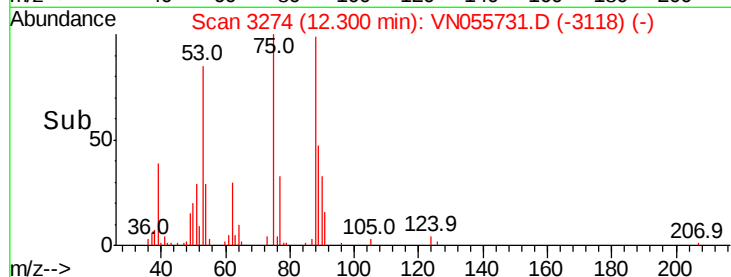
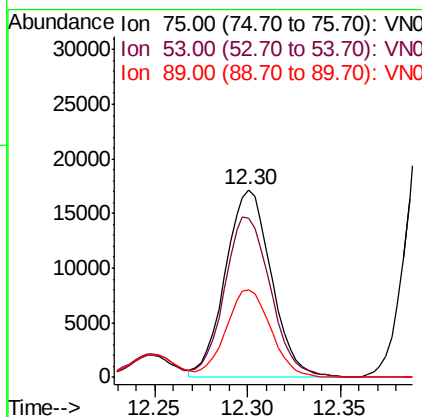
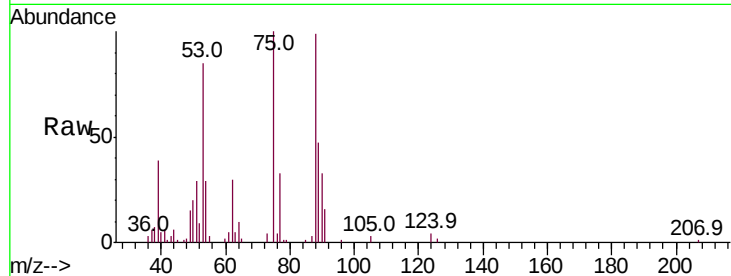
ClientSampleId :

VN0522WBS01

Tot Ion:	75	Resp:	29579
Ion	Ratio	Lower	Upper
75	100		
53	84.1	40.1	120.3
89	47.0	22.6	67.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.760 ug/l

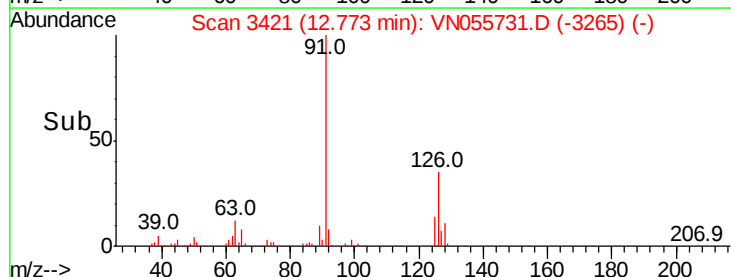
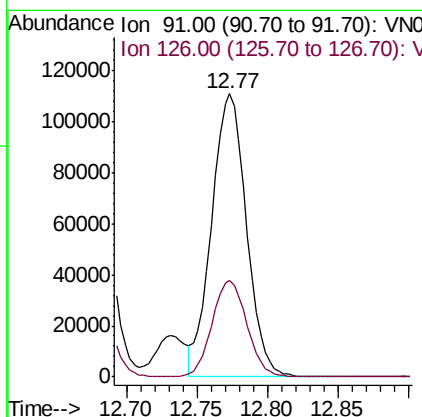
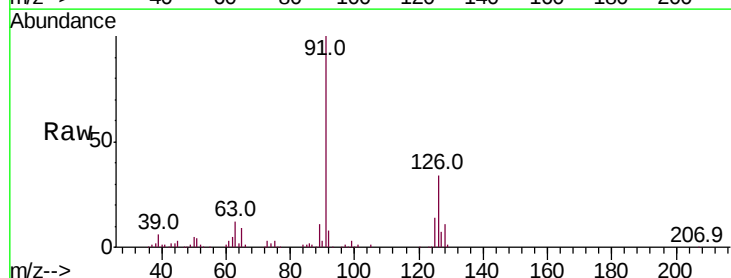
RT: 12.77 min Scan# 3421

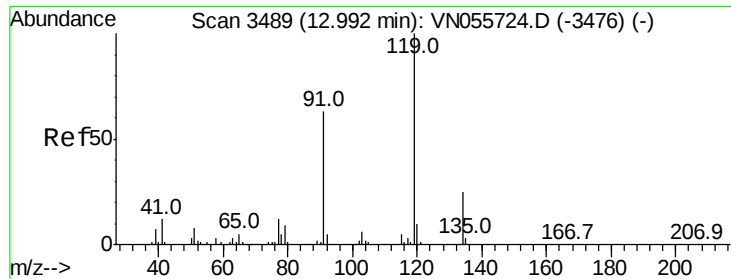
Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Tgt Ion:	91	Resp:	190024
Ion	Ratio	Lower	Upper
91	100		
126	34.0	0.0	69.0





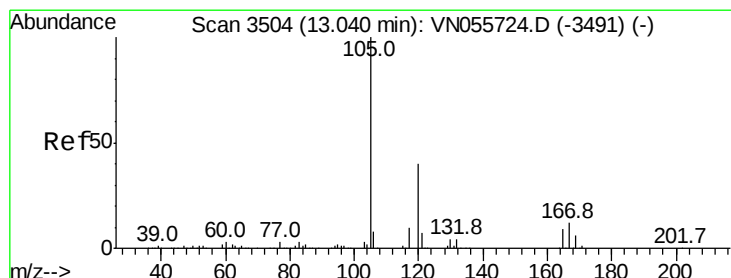
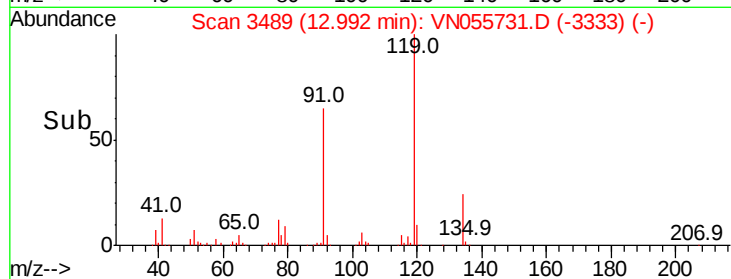
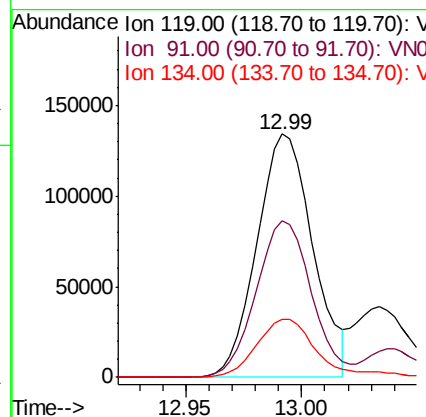
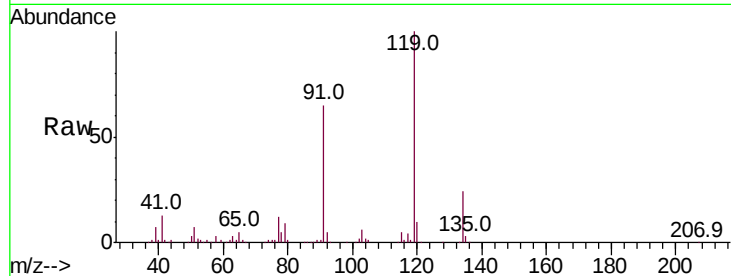
#79
tert-butylbenzene
Concen: 20.159 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	225624		
91	63.6	0.0	123.8	
134	24.6	0.0	52.6	

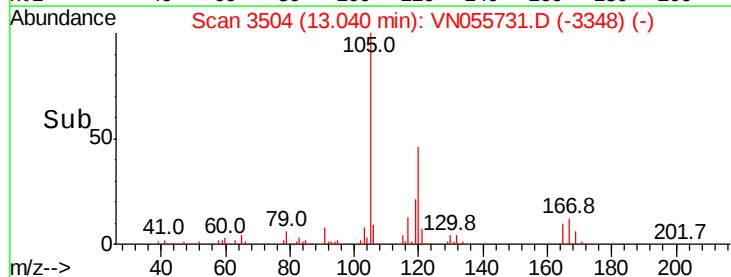
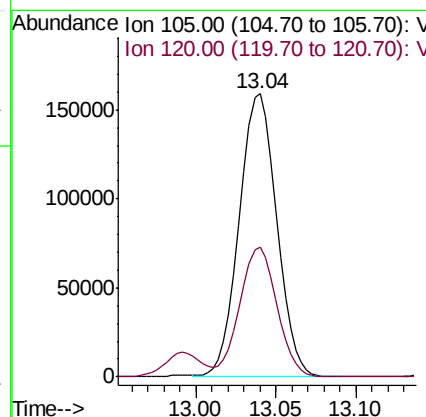
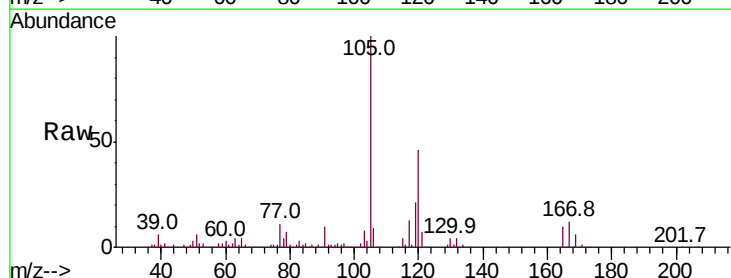
Manual Integrations
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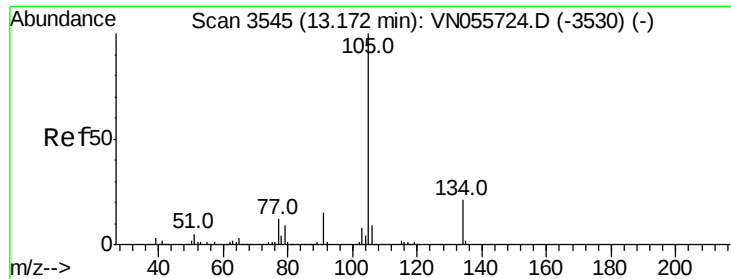
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#80
1,2,4-Trimethylbenzene
Concen: 20.101 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	254037		
120	45.4	0.0	93.6	





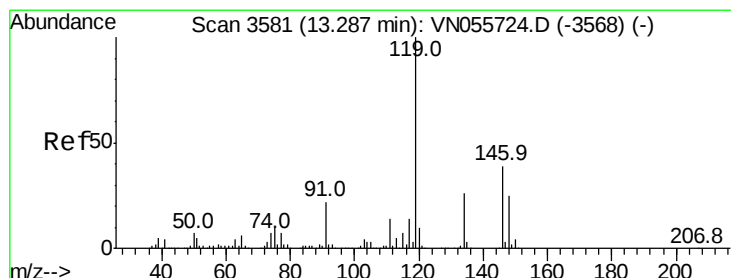
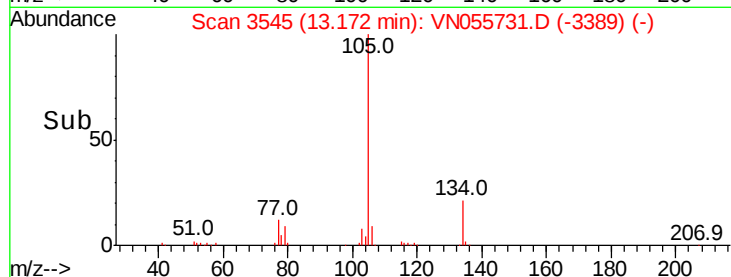
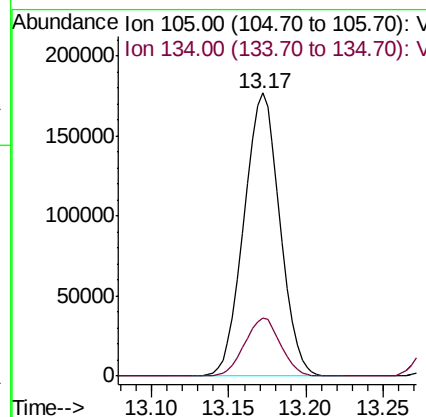
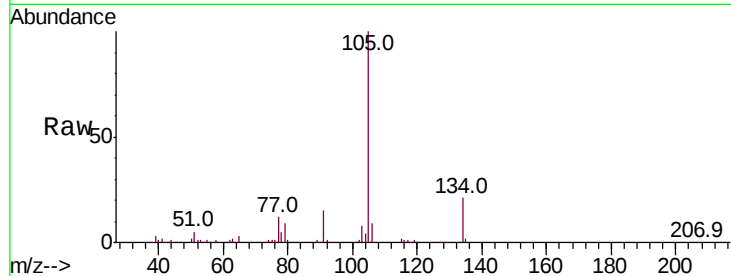
#81
 sec-Butylbenzene
 Concen: 20.071 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	285421		
134	20.6	0.0	41.4	

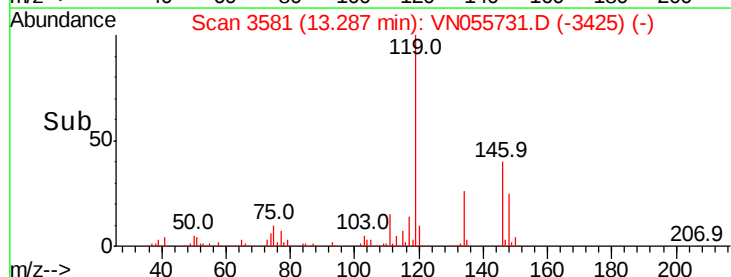
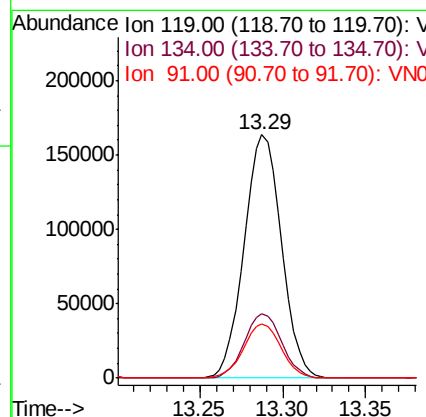
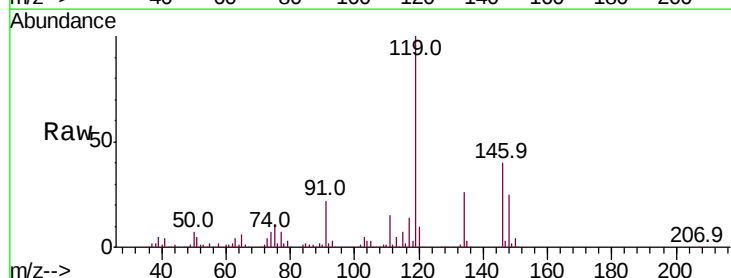
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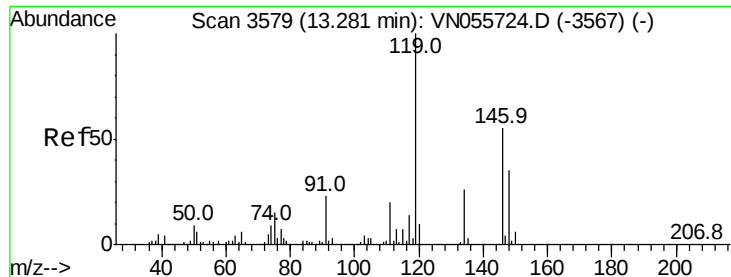
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#82
 p-Isopropyltoluene
 Concen: 19.574 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	256164		
134	26.6	0.0	52.0	
91	22.5	0.0	44.4	





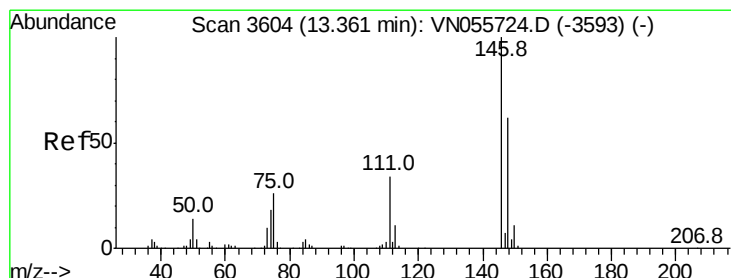
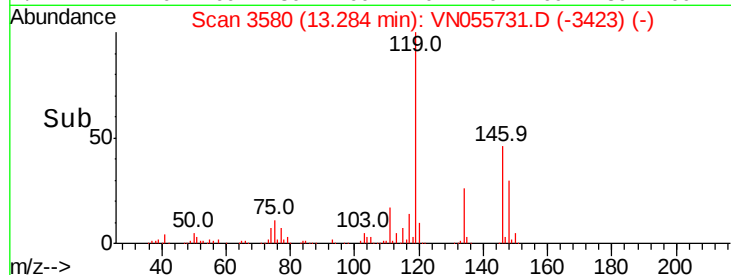
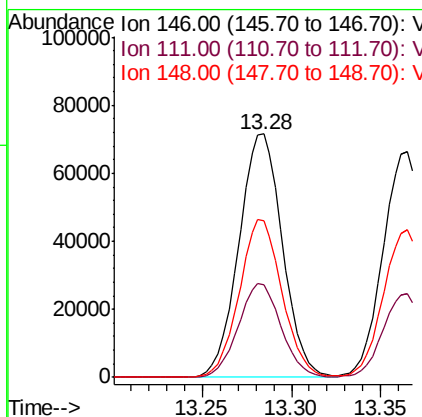
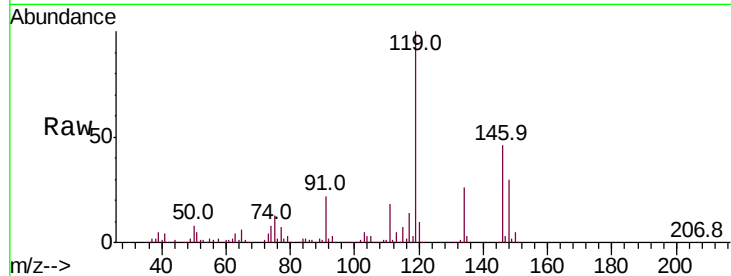
#83
1,3-Dichlorobenzene
Concen: 19.057 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	121726		
111	37.6	18.6	55.6	
148	63.6	32.2	96.6	

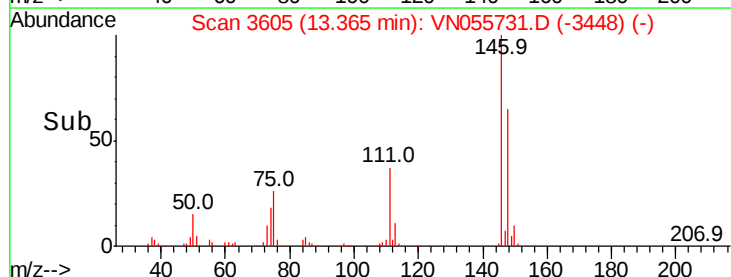
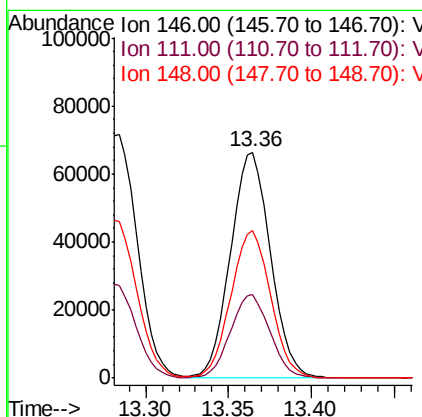
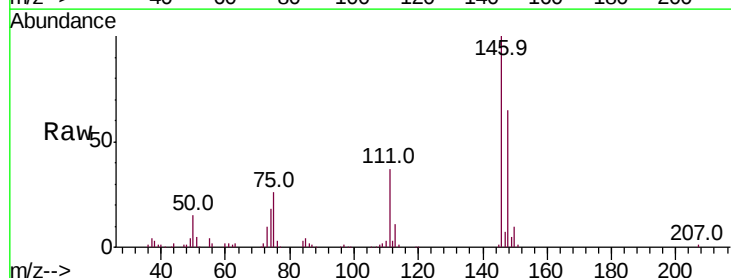
Manual Integrations
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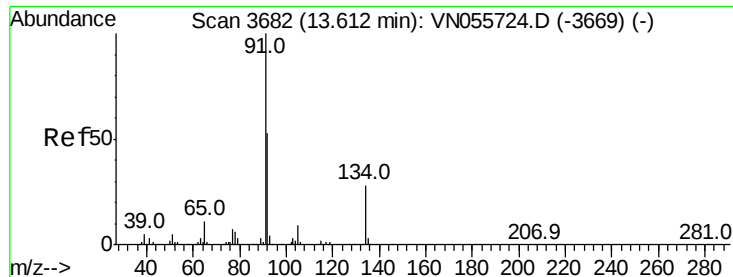
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#84
1,4-Dichlorobenzene
Concen: 18.350 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	111623		
111	36.6	17.5	52.6	
148	64.8	31.8	95.4	





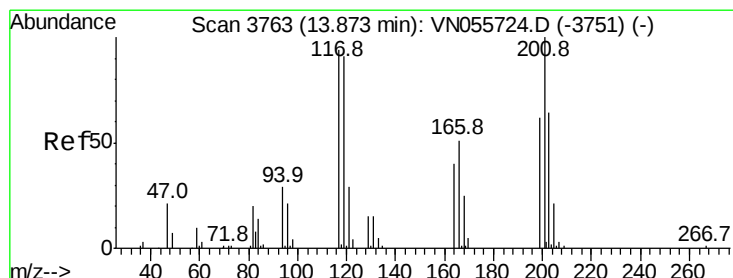
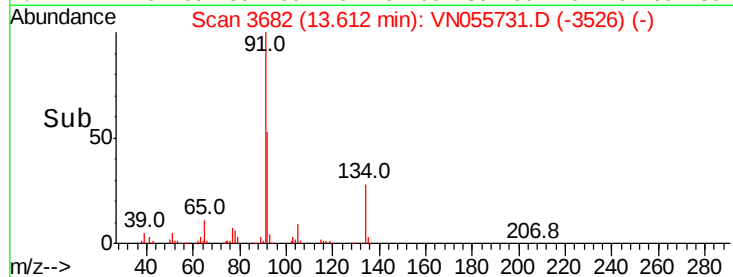
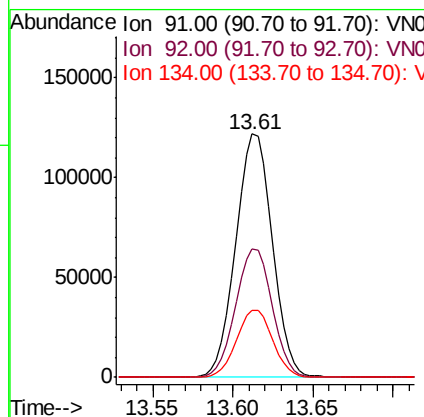
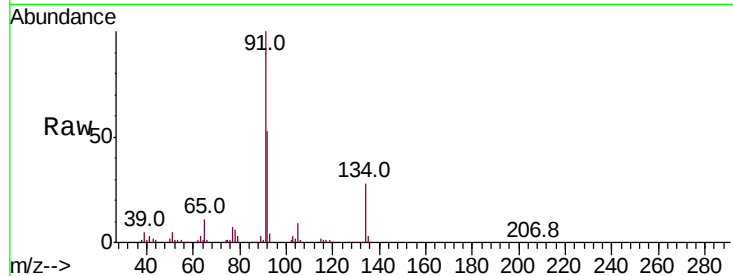
#85
n-Butylbenzene
Concen: 18.629 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	189672		
92	52.8	0.0	106.8	
134	27.3	0.0	55.2	

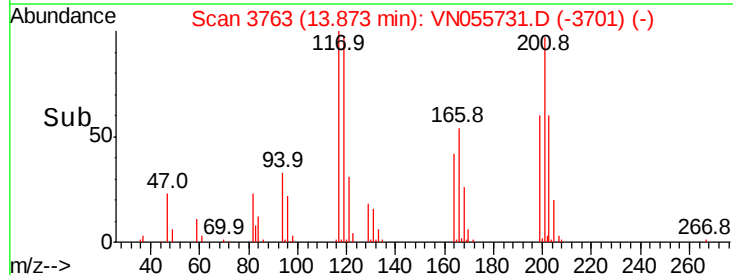
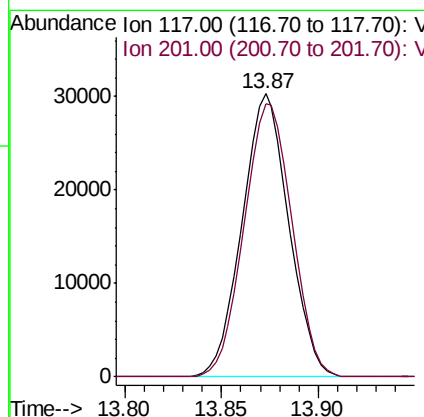
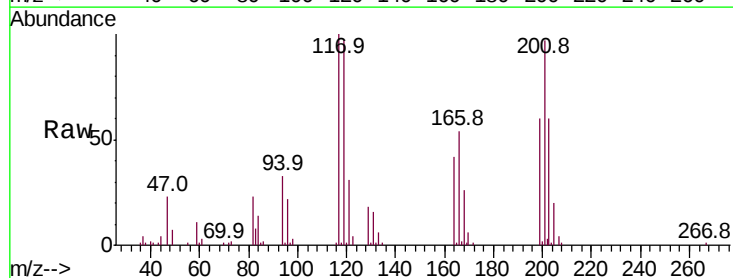
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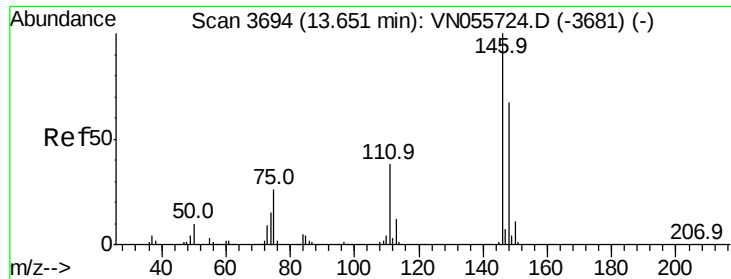
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#86
Hexachloroethane
Concen: 19.771 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	50893		
201	98.7	52.5	157.6	





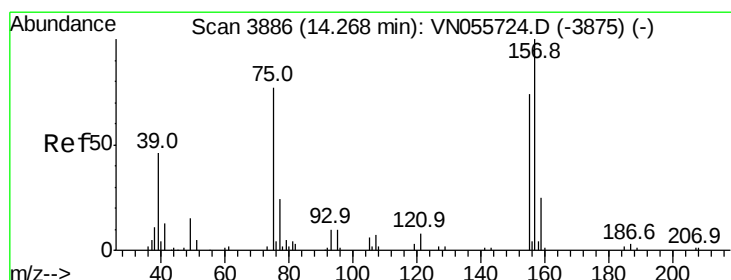
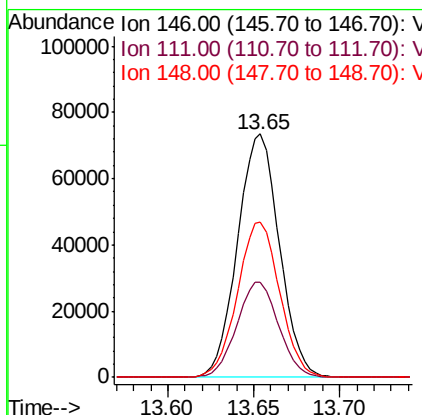
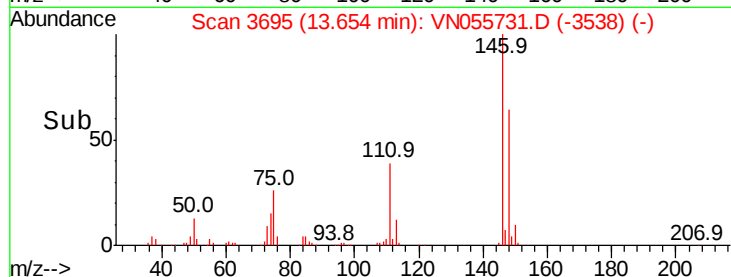
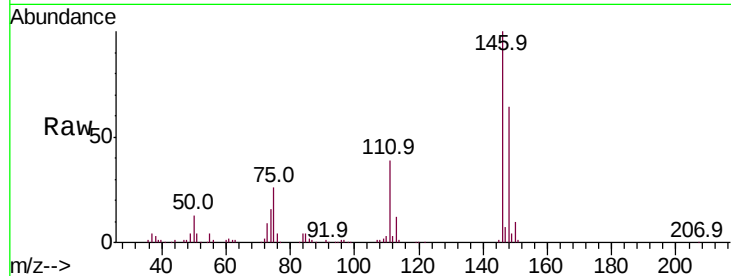
#87
 1,2-Dichlorobenzene
 Concen: 19.248 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0522WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.2	57.6
148	64.3	32.7	98.1

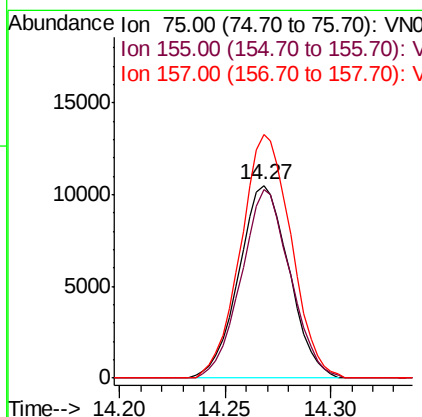
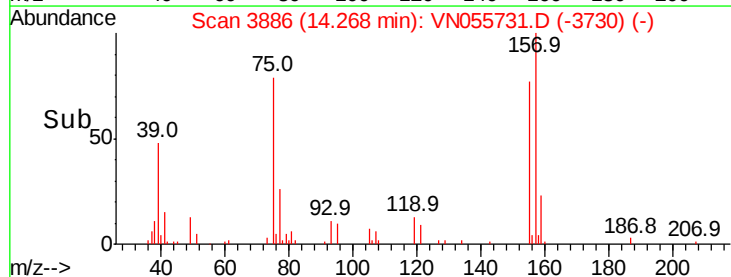
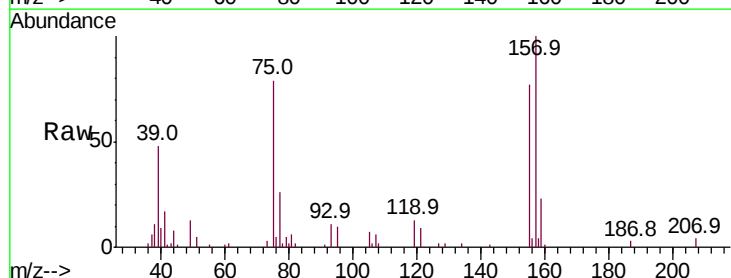
Manual Integrations
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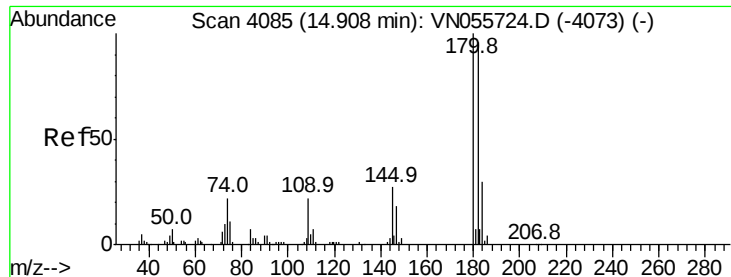
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.374 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	78.4	117.6
157	126.9	105.0	157.4





#89

1,2,4-Trichlorobenzene

Concen: 15.501 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

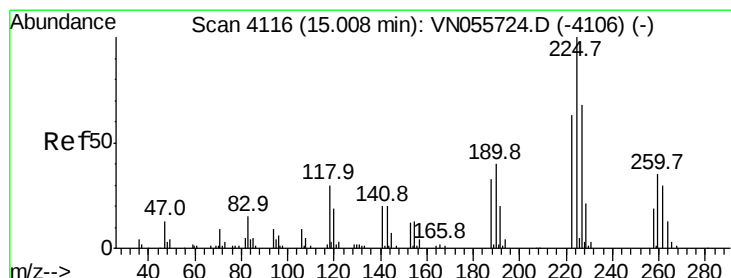
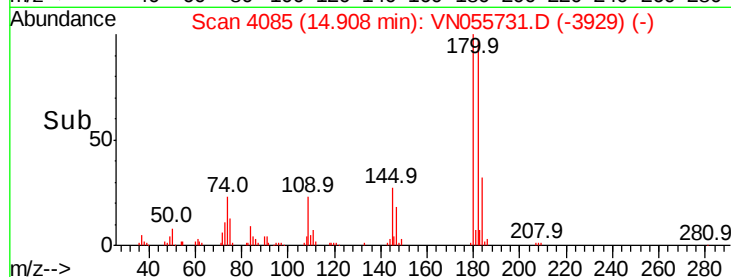
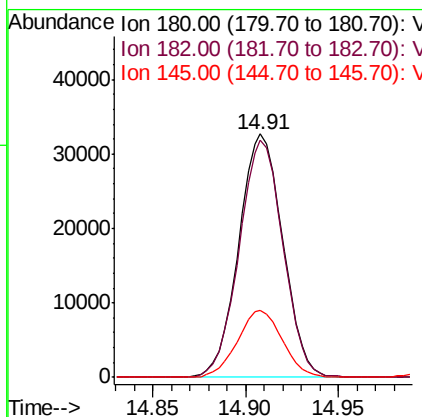
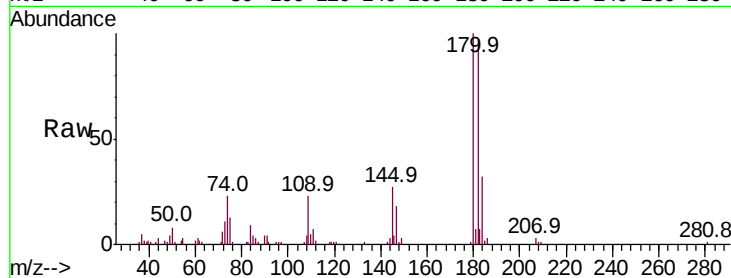
ClientSampleId :

VN0522WBS01

Tot Ion:	180	Resp:	53815
Ion Ratio	Lower	Upper	
180	100		
182	97.0	76.1	114.1
145	27.9	21.8	32.8

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#90

Hexachlorobutadiene

Concen: 17.515 ug/l

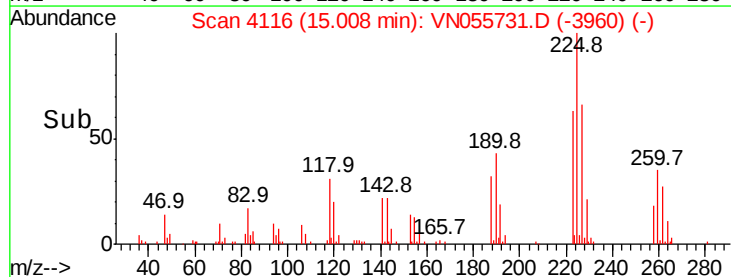
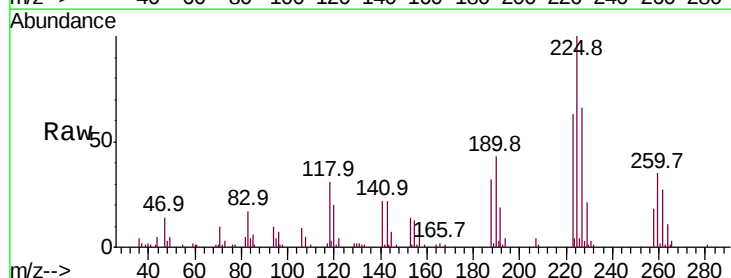
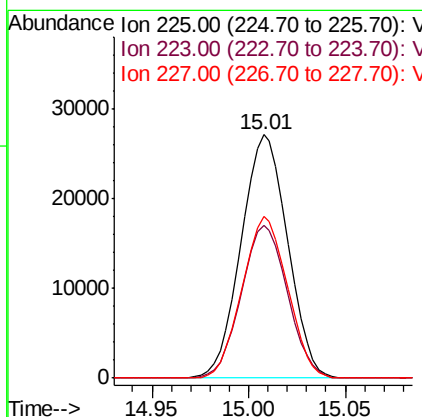
RT: 15.01 min Scan# 4116

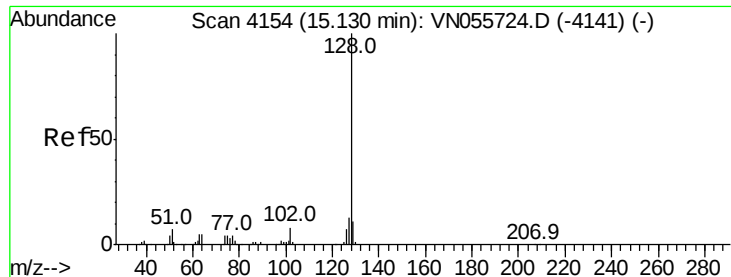
Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Tgt Ion:	225	Resp:	45372
Ion Ratio	Lower	Upper	
225	100		
223	62.2	0.0	126.0
227	64.7	0.0	133.0





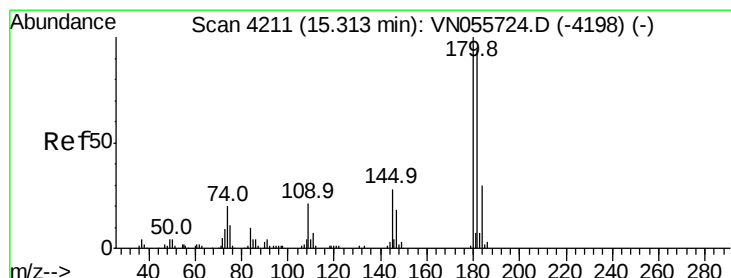
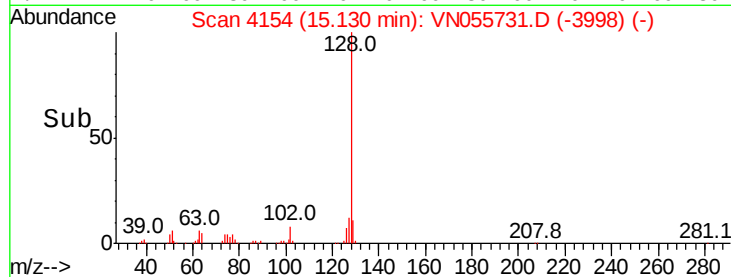
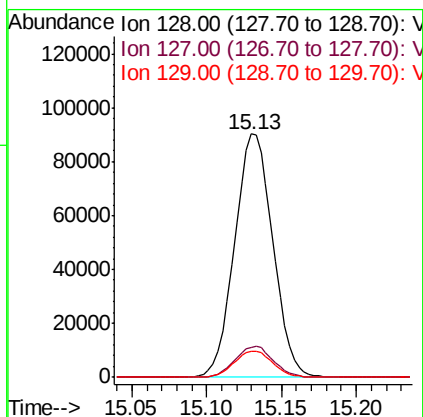
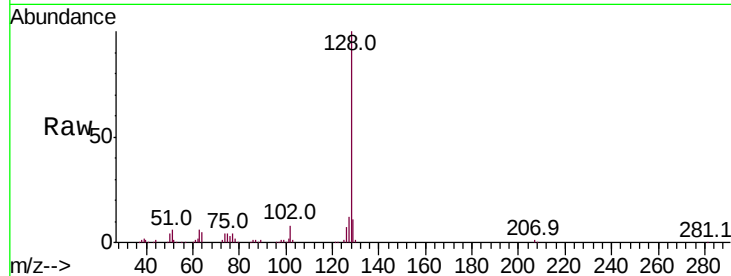
#91
Naphthalene
Concen: 16.939 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	160683		
127	12.8	10.0	15.0	
129	10.9	8.7	13.1	

Manual Integrations
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5/23/2019 12:29:53 PM



#92
1,2,3-Trichlorobenzene
Concen: 16.901 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61323		
182	95.0	0.0	188.6	
145	30.1	0.0	56.8	

