

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052919\
 Data File : VN055864.D
 Acq On : 29 May 2019 9:24
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:34:50 AM

Quant Time: May 30 07:04:40 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	59124	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	317427	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	277306	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	113425	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	12.40	95	121739	28.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.07%
63) Toluene-d8	10.09	98	382140	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	49281	19.010 ug/l	95
3) Chloromethane	2.06	50	65770	17.837 ug/l	98
4) Vinyl Chloride	2.18	62	71998	19.132 ug/l	99
5) Bromomethane	2.54	94	48503	22.013 ug/l	99
6) Chloroethane	2.69	64	44712	20.338 ug/l	98
7) Trichlorofluoromethane	3.01	101	95832	20.298 ug/l	96
8) Diethyl Ether	3.40	74	42019	20.245 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.74	101	59294	19.876 ug/l	98
10) 1,1-Dichloroethene	3.72	96	60979	19.540 ug/l	95
11) Methyl Iodide	3.94	142	90038	20.224 ug/l	99
12) Methyl Acetate	4.33	43	71968	18.856 ug/l	97
13) Acrolein	3.60	56	46054	86.840 ug/l	99
14) Acrylonitrile	4.99	53	164936	94.785 ug/l	100
15) Acetone	3.82	58	63511	117.522 ug/l	94
16) Carbon Disulfide	4.04	76	158655	17.732 ug/l	100
17) Allyl chloride	4.31	41	100950	17.961 ug/l	95
18) Methylene Chloride	4.54	84	70567	19.744 ug/l	95
19) trans-1,2-Dichloroethene	5.03	96	64922	19.338 ug/l	95
20) Diisopropyl ether	5.95	45	203353	18.650 ug/l	99
21) 1,1-Dichloroethane	5.84	63	117614	19.086 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	76922	19.646 ug/l	95
23) tert-Butyl Alcohol	4.81	59	69923m	91.496 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	203624	19.230 ug/l	99
25) Chloroform	7.37	83	119522	19.638 ug/l	100
26) Cyclohexane	7.65	56	106430	18.721 ug/l	# 95
29) 1,1-Dichloropropene	7.79	75	86394	19.442 ug/l	98
30) 2-Butanone	6.84	43	242374	102.332 ug/l	99
31) 2,2-Dichloropropane	6.82	77	99089	19.162 ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	103363	19.625 ug/l	99
33) Carbon Tetrachloride	7.77	117	89850	19.070 ug/l	99
34) Benzene	8.04	78	277194	20.205 ug/l	100
35) Methacrylonitrile	7.17	41	42197	19.302 ug/l	98
36) 1,2-Dichloroethane	8.12	62	91101	20.320 ug/l	99
37) Trichloroethene	8.83	130	77914	20.355 ug/l	100
38) Methylcyclohexane	9.08	83	110007	19.539 ug/l	98
39) 1,2-Dichloropropane	9.12	63	72630	19.693 ug/l	98
40) Dibromomethane	9.21	93	47481	19.937 ug/l	99

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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	92225	18.895	ug/l	99
42) Vinyl Acetate	5.90	43	869290	94.531	ug/l	99
43) Ethyl Acetate	6.93	43	86685	18.620	ug/l #	100
44) Isopropyl Acetate	8.17	43	145004	18.809	ug/l #	85
45) 1,4-Dioxane	9.21	88	26482	365.133	ug/l	96
46) Methyl methacrylate	9.20	41	66375	18.454	ug/l	97
47) n-amyl Acetate	12.07	43	112653	17.667	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	95582	17.740	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	110329	18.708	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	68527	19.765	ug/l	99
51) Ethyl methacrylate	10.43	69	104847	18.762	ug/l	99
52) 1,3-Dichloropropane	10.71	76	113503	19.861	ug/l	98
53) Dibromochloromethane	10.90	129	75702	18.483	ug/l	99
54) 1,2-Dibromoethane	11.00	107	72111	20.100	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	189991	87.379	ug/l	99
56) Bromoform	12.13	173	56157	16.716	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	433372	94.402	ug/l	98
59) 2-Hexanone	10.75	43	313720	95.590	ug/l	100
61) Tetrachloroethene	10.63	164	78996	21.044	ug/l	96
62) Toluene	10.15	91	307061	20.591	ug/l	100
64) Chlorobenzene	11.43	112	188248	20.810	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	70462	19.333	ug/l	98
66) Ethyl Benzene	11.51	91	327322	20.089	ug/l	99
67) m/p-Xylenes	11.62	106	251970	40.709	ug/l	98
68) o-Xylene	11.95	106	123257	20.124	ug/l	99
69) Styrene	11.96	104	195114	19.308	ug/l	99
70) Isopropylbenzene	12.25	105	327099	20.411	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	96656	19.598	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	84514m	19.910	ug/l	
73) Bromobenzene	12.53	156	82809	19.532	ug/l	96
74) n-propylbenzene	12.59	91	337738	19.541	ug/l	99
75) 2-Chlorotoluene	12.67	91	210373	19.926	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	263309	19.878	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	25839	15.325	ug/l	91
78) 4-Chlorotoluene	12.77	91	192269	19.215	ug/l	97
79) tert-butylbenzene	12.99	119	236650	20.321	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	258593	19.665	ug/l	100
81) sec-Butylbenzene	13.17	105	296977	20.071	ug/l	100
82) p-Isopropyltoluene	13.29	119	267653	19.656	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	128851	19.388	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	118394	18.706	ug/l	98
85) n-Butylbenzene	13.61	91	192708	18.191	ug/l	99
86) Hexachloroethane	13.87	117	47200	17.623	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	132047	19.731	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.26	75	16028	17.147	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	61096	16.913	ug/l	98
90) Hexachlorobutadiene	15.01	225	51497	19.106	ug/l	96
91) Naphthalene	15.13	128	175600	17.791	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	70763	18.743	ug/l	99

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

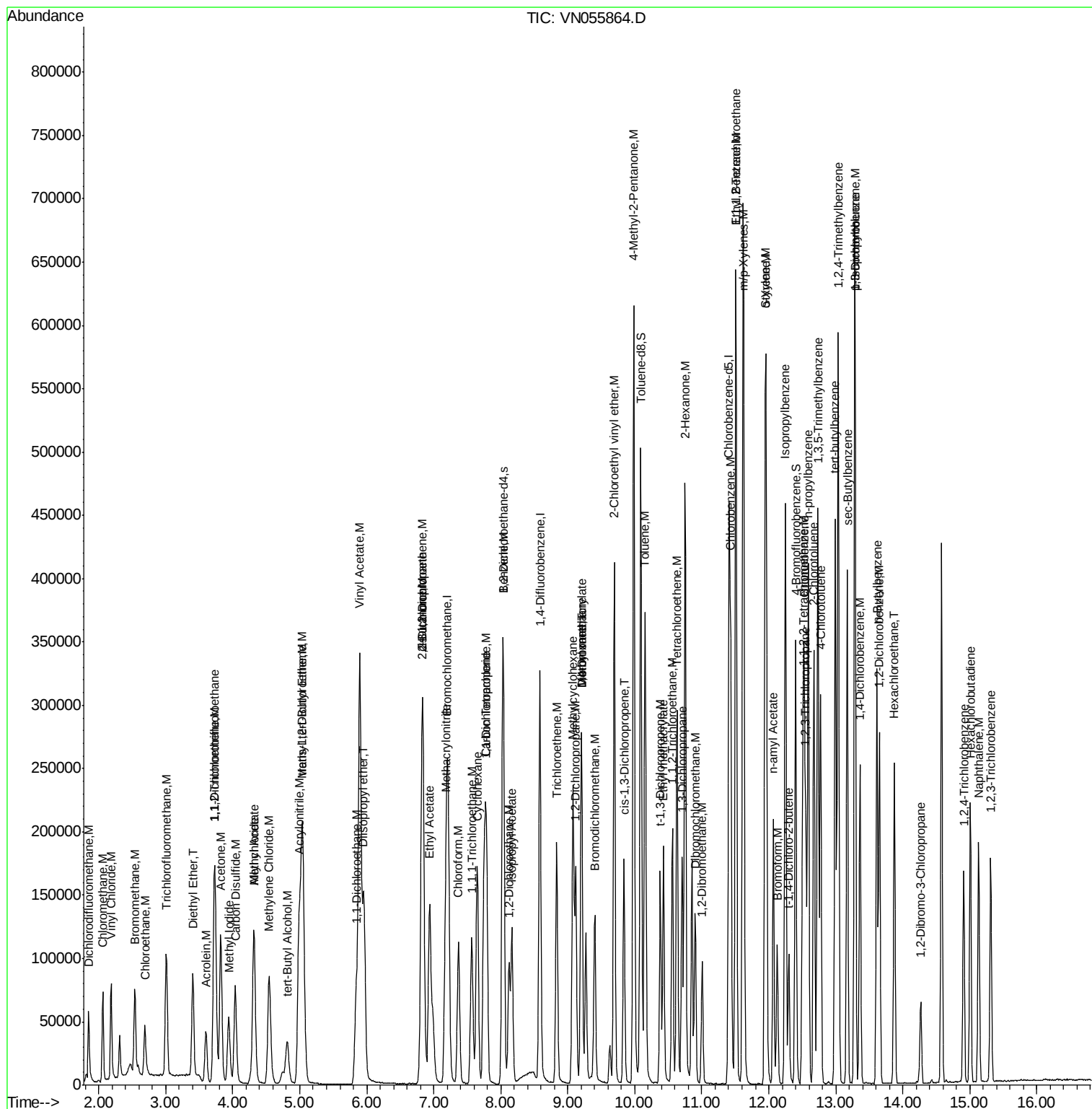
Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052919\
 Data File : VN055864.D
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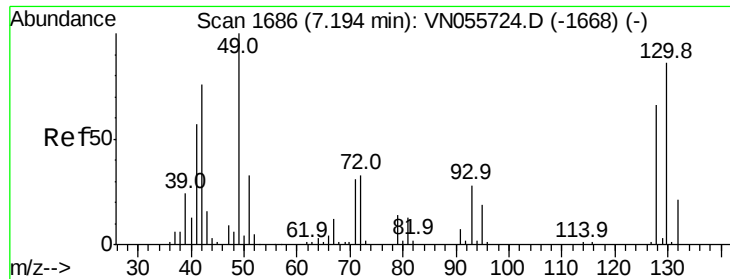
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

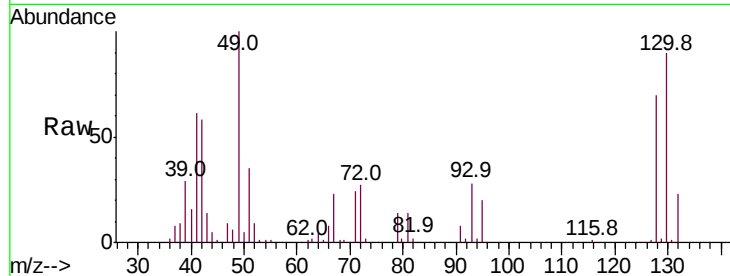
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VSTDCCC020

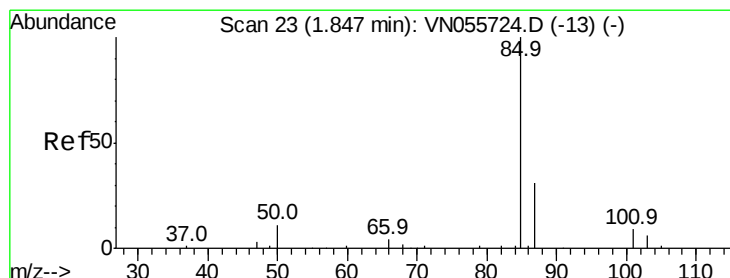
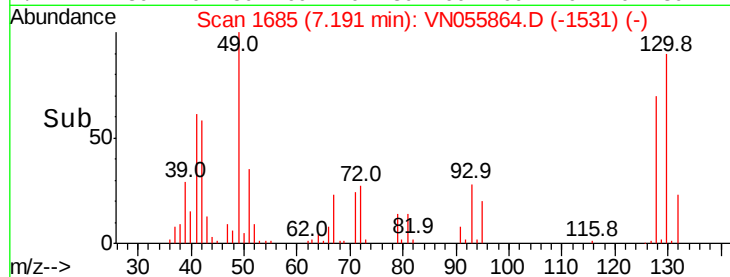
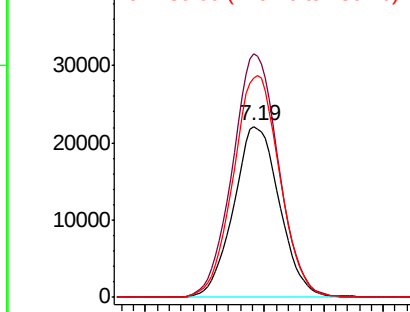
Tot Ion:	128	Resp:	59124
Ion	Ratio	Lower	Upper
128	100		
49	143.0	0.0	383.2
130	131.5	0.0	326.3

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.010 ug/l

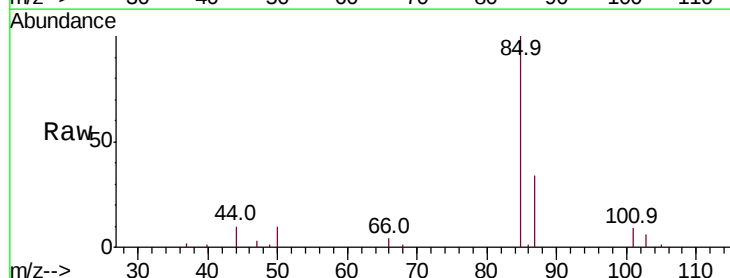
RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

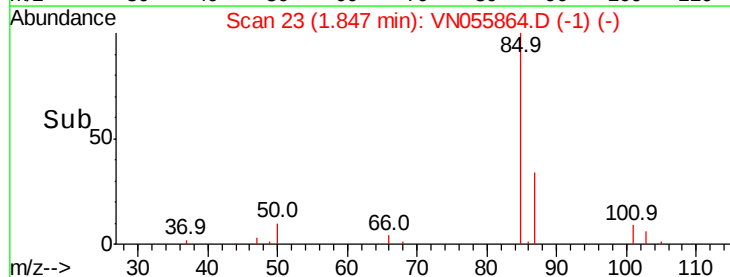
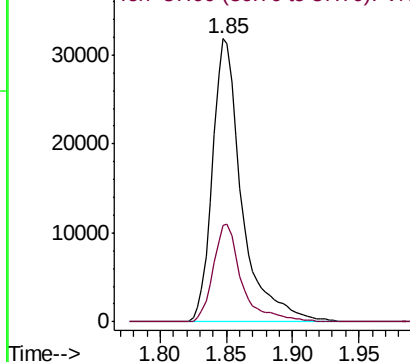
Lab File: VN055864.D

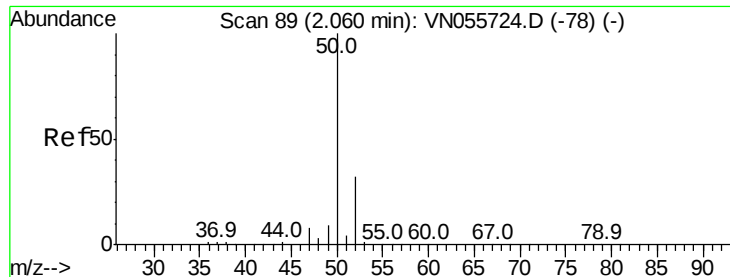
Acq: 29 May 2019 9:24

Tgt Ion:	85	Resp:	49281
Ion	Ratio	Lower	Upper
85	100		
87	33.9	15.7	47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 17.837 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 65770

Ion Ratio Lower Upper

50 100

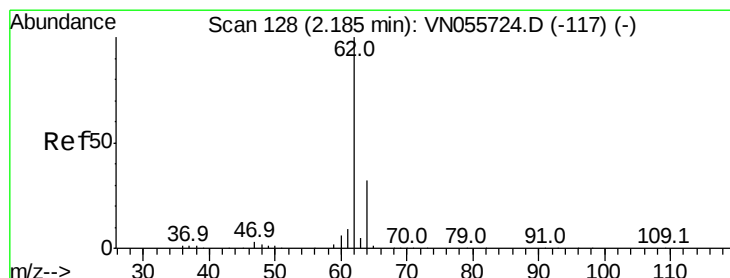
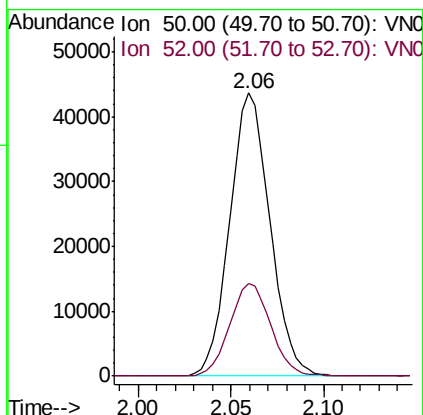
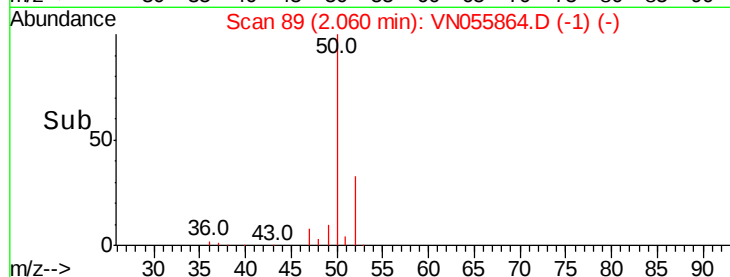
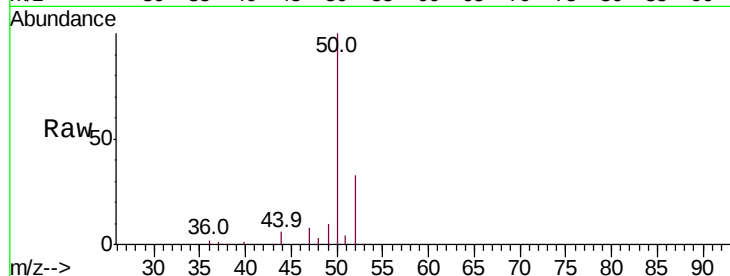
52 32.9 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.132 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055864.D

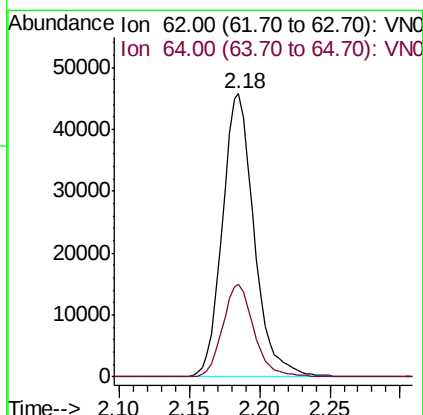
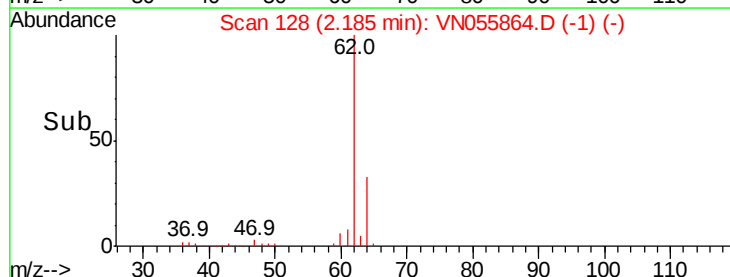
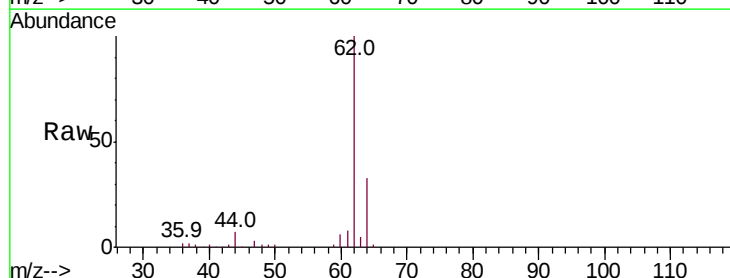
Acq: 29 May 2019 9:24

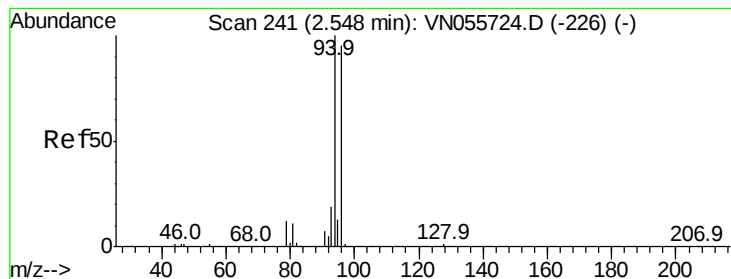
Tgt Ion: 62 Resp: 71998

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 22.013 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

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Tot Ion: 94 Resp: 48503

Ion Ratio Lower Upper

94 100

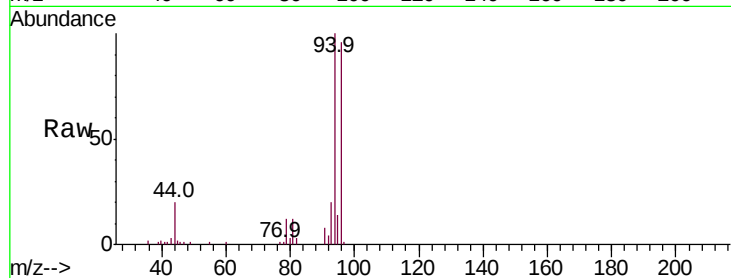
96 95.7 75.8 113.8

Manual Integrations

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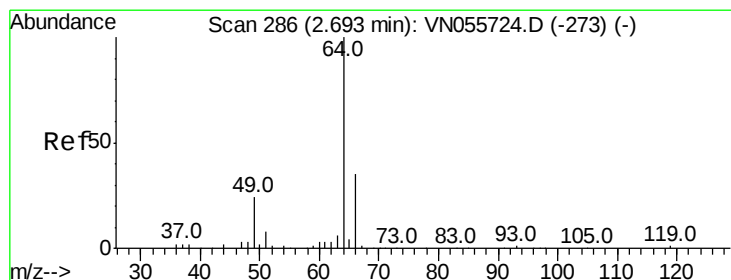
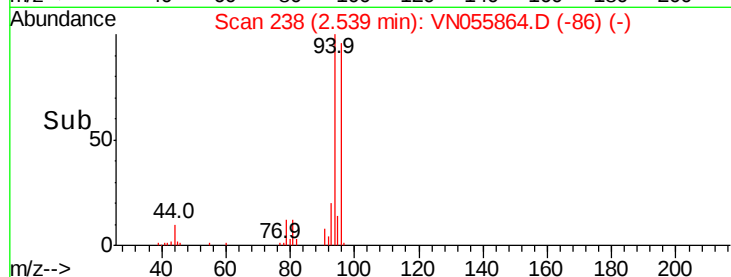
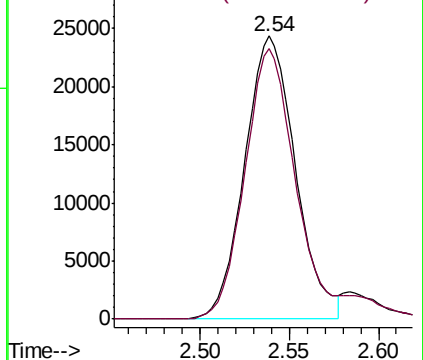
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5/30/2019 9:34:50 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.338 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN055864.D

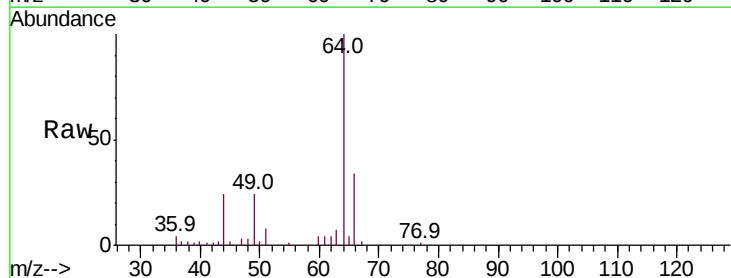
Acq: 29 May 2019 9:24

Tgt Ion: 64 Resp: 44712

Ion Ratio Lower Upper

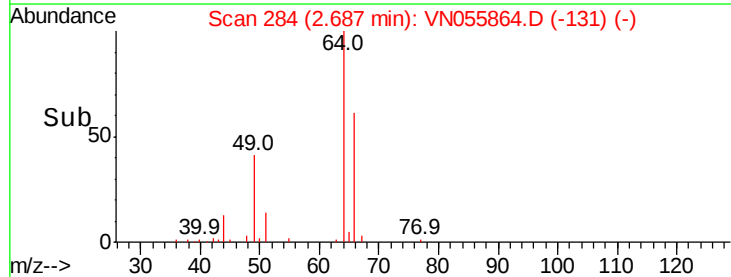
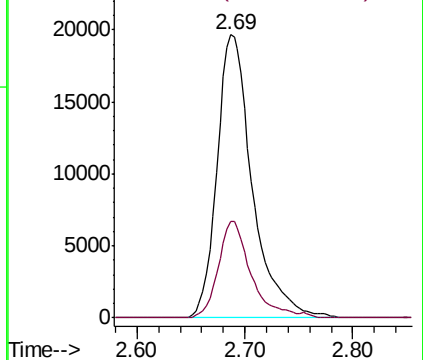
64 100

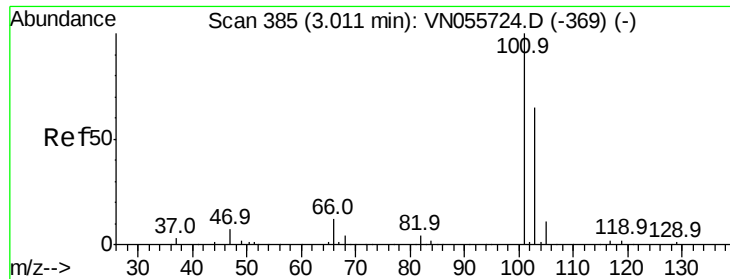
66 34.0 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

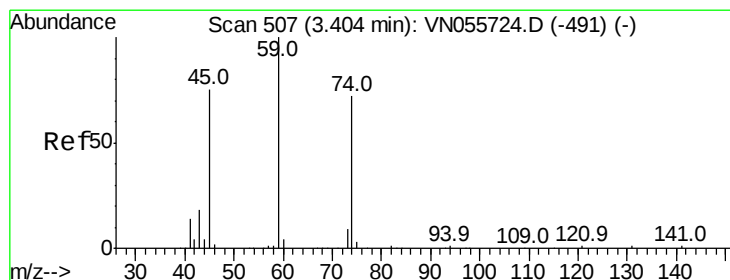
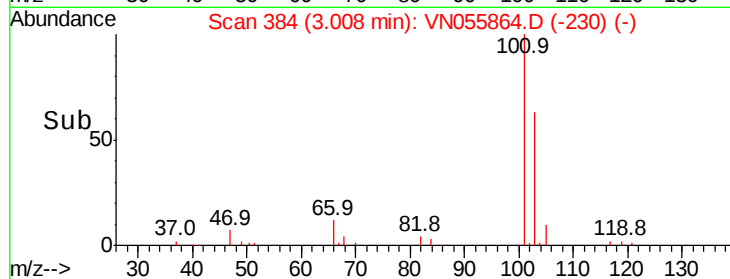
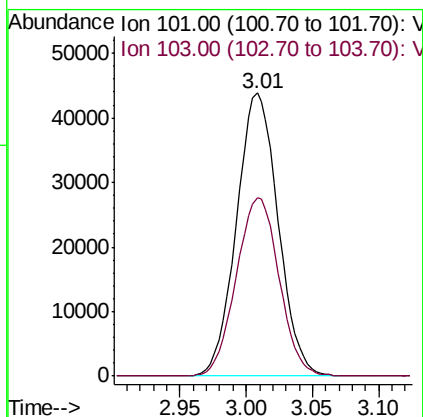
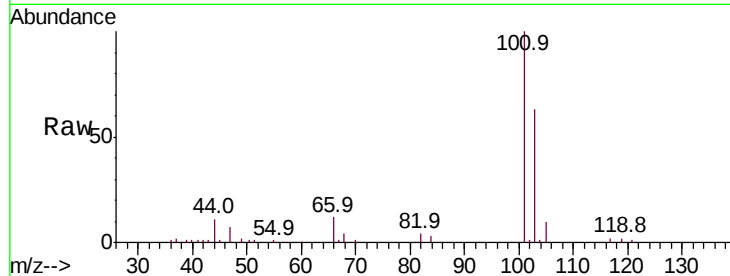
Trichlorofluoromethane
Concen: 20.298 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

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Tot Ion:101 Resp: 95832
Ion Ratio Lower Upper
101 100
103 62.9 52.6 78.8

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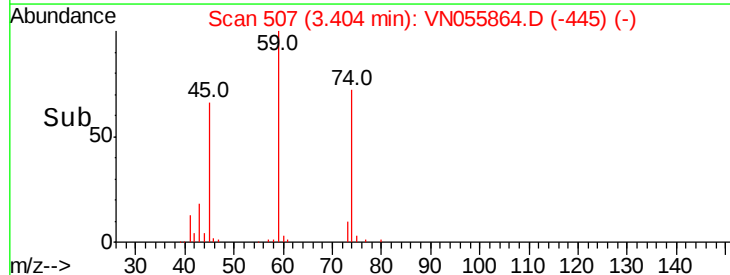
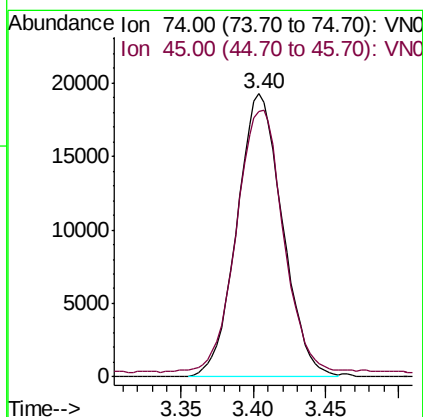
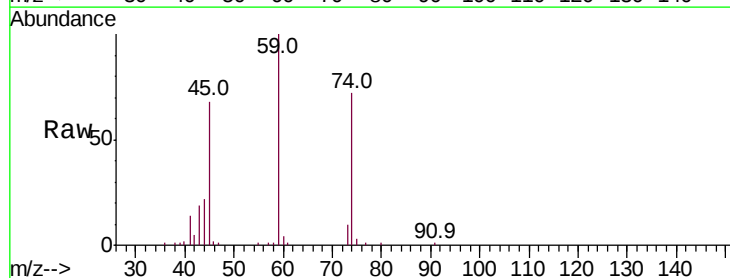
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5/30/2019 9:34:50 AM

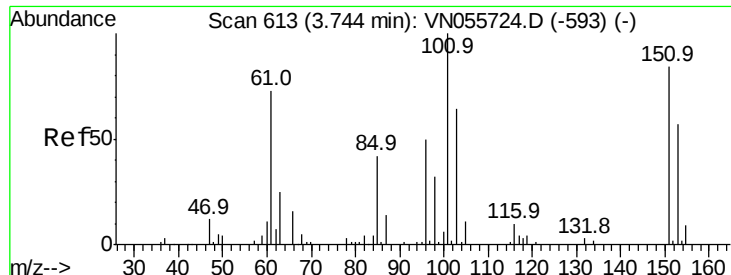


#8

Diethyl Ether
Concen: 20.245 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 74 Resp: 42019
Ion Ratio Lower Upper
74 100
45 93.3 20.4 184.0





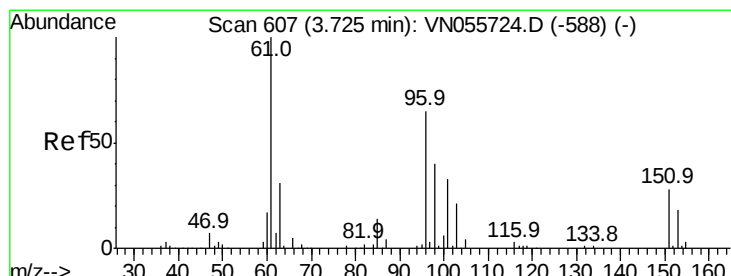
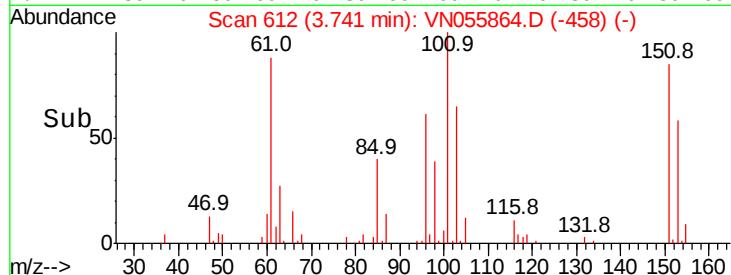
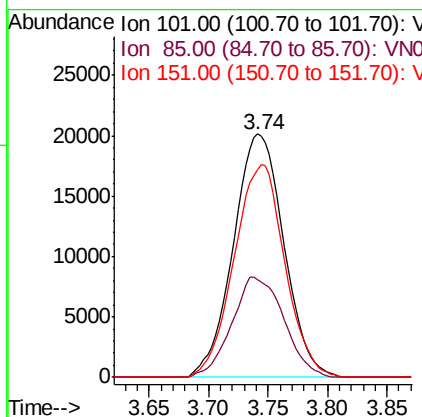
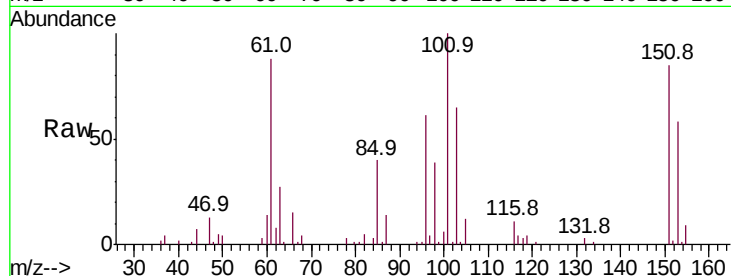
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.876 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion:	101	Resp:	59294
Ion Ratio	Lower	Upper	
101	100		
85	42.4	0.0	86.6
151	87.6	0.0	172.2

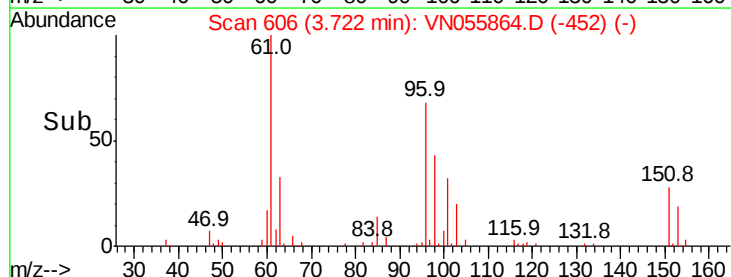
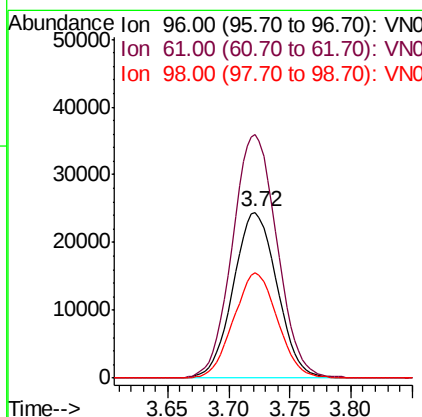
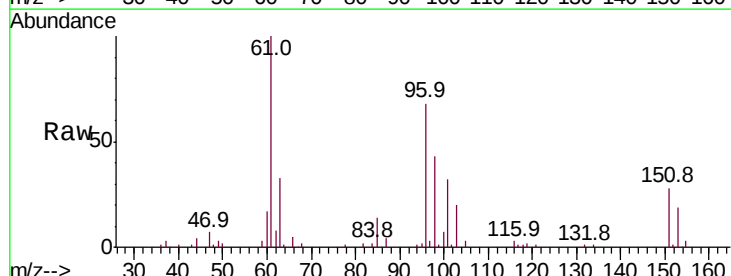
Manual Integrations
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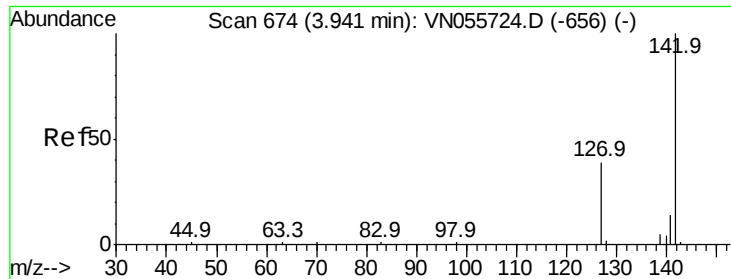
MMDadoda
 5/30/2019 9:34:50 AM



#10
 1,1-Dichloroethene
 Concen: 19.540 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion:	96	Resp:	60979
Ion Ratio	Lower	Upper	
96	100		
61	146.3	123.7	185.5
98	63.6	50.0	75.0





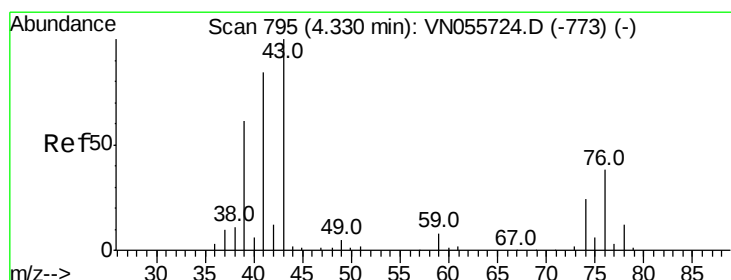
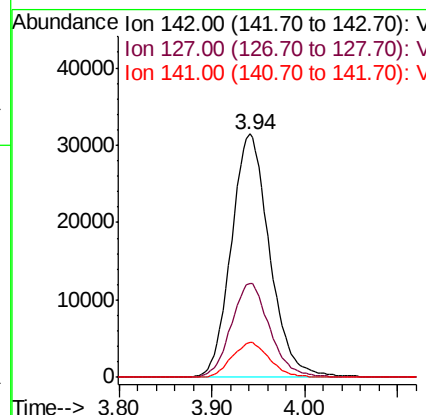
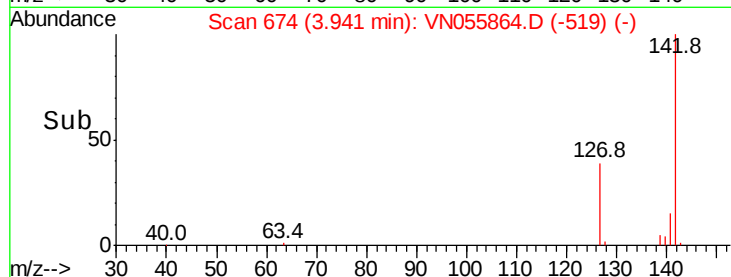
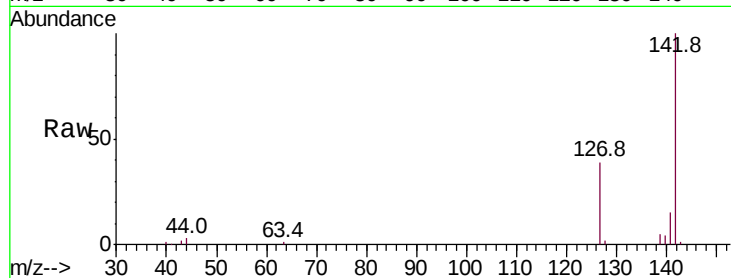
#11
Methvl Iodide
Concen: 20.224 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	142	Resp:	90038
Ion Ratio	Lower	Upper	
142	100		
127	38.8	19.6	58.7
141	14.6	6.9	20.6

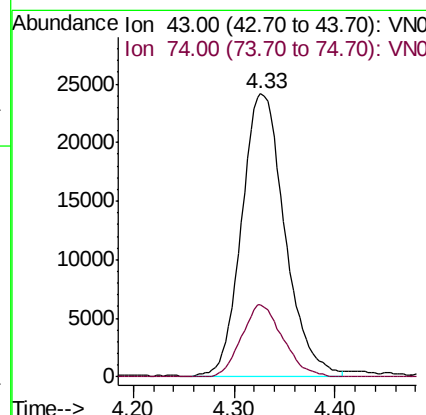
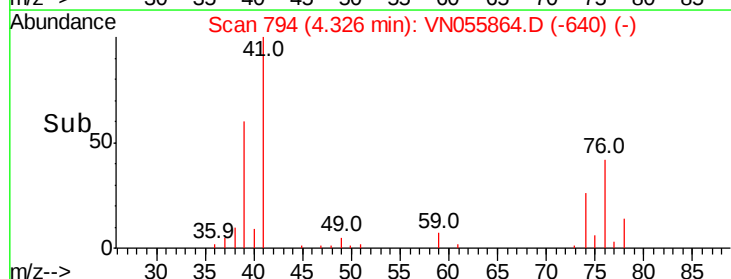
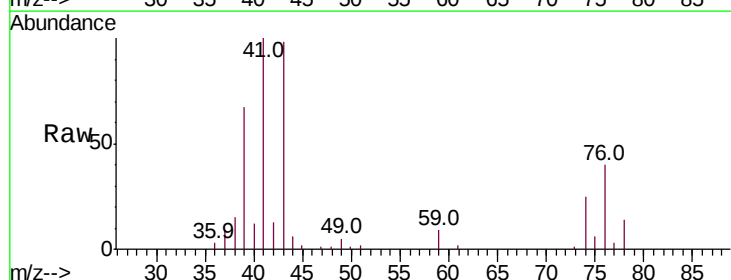
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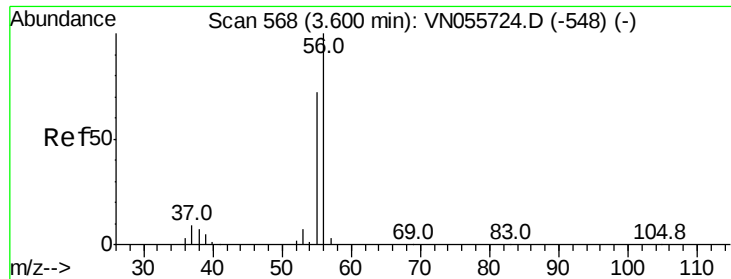
MMDadoda
5/30/2019 9:34:50 AM



#12
Methyl Acetate
Concen: 18.856 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion:	43	Resp:	71968
Ion Ratio	Lower	Upper	
43	100		
74	25.6	19.2	28.8





#13

Acrolein

Concen: 86.840 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 46054

Ion Ratio Lower Upper

56 100

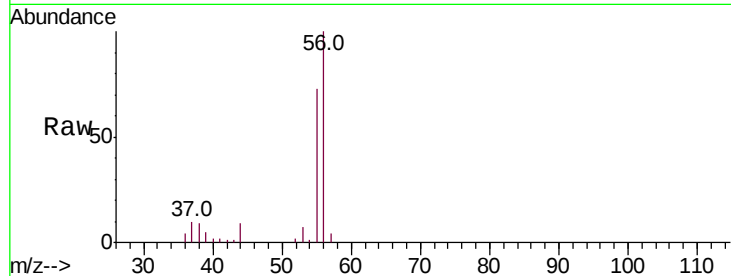
55 71.7 57.0 85.6

Manual Integrations

APPROVED

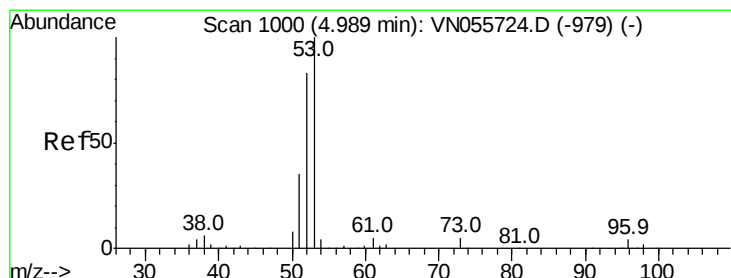
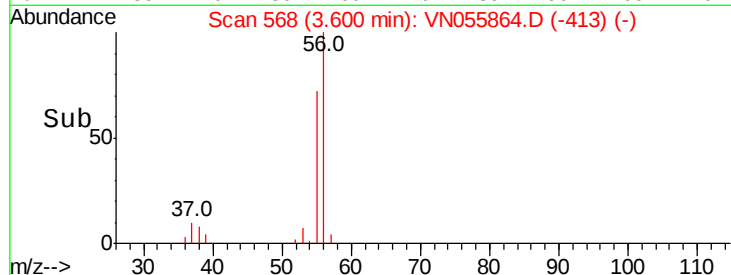
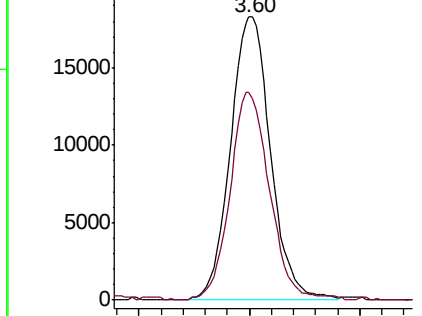
MMDadoda

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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: 94.785 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

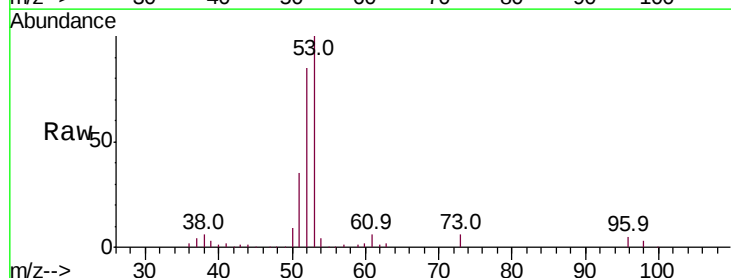
Tgt Ion: 53 Resp: 164936

Ion Ratio Lower Upper

53 100

52 82.2 41.1 123.4

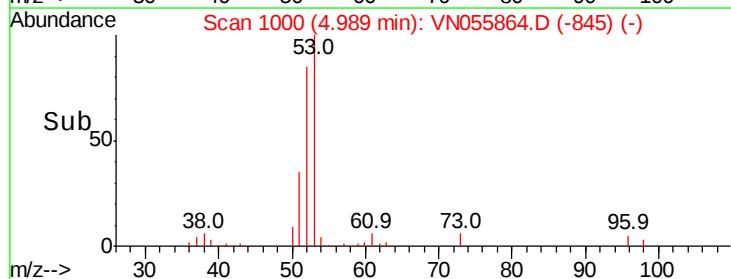
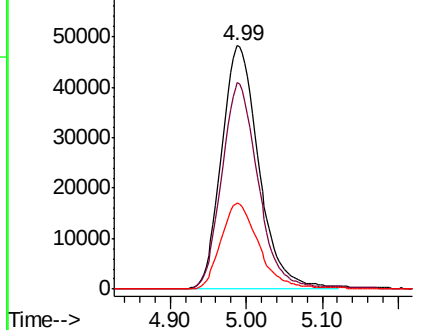
51 35.8 17.5 52.6

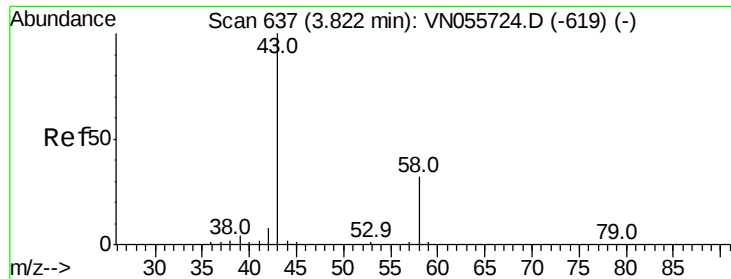


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





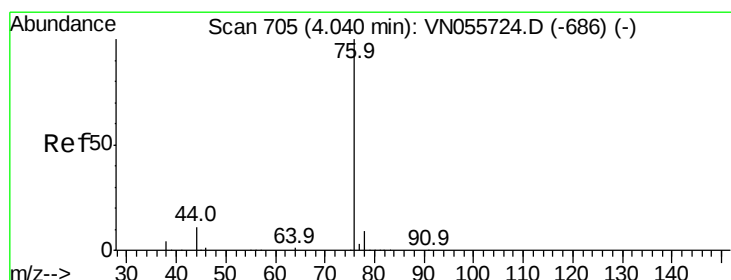
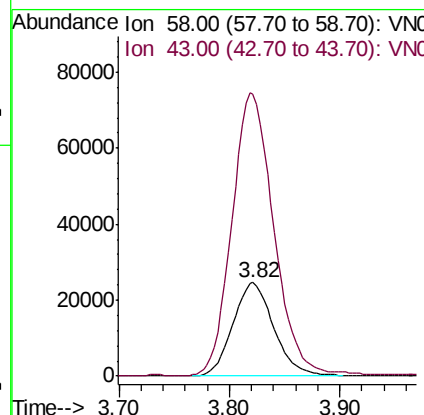
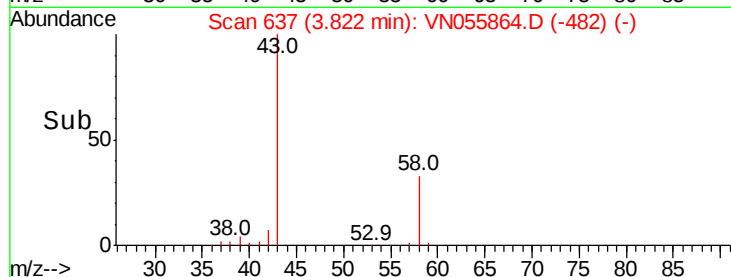
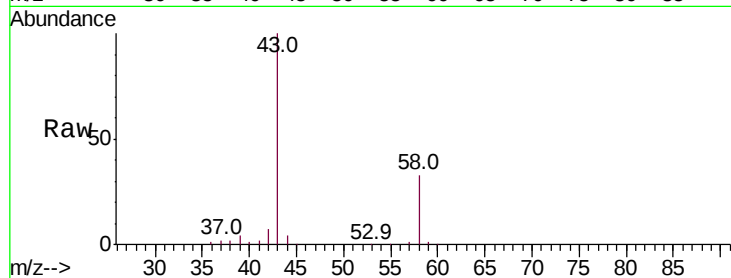
#15
Acetone
Concen: 117.522 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 58 Resp: 63511
Ion Ratio Lower Upper
58 100
43 299.4 248.8 373.2

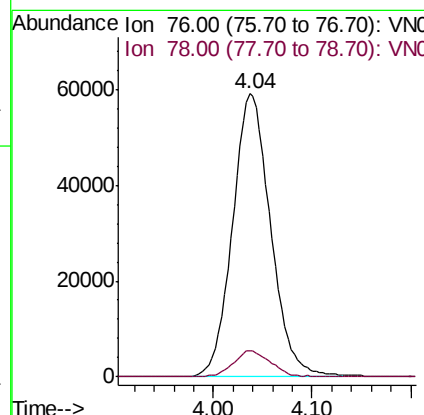
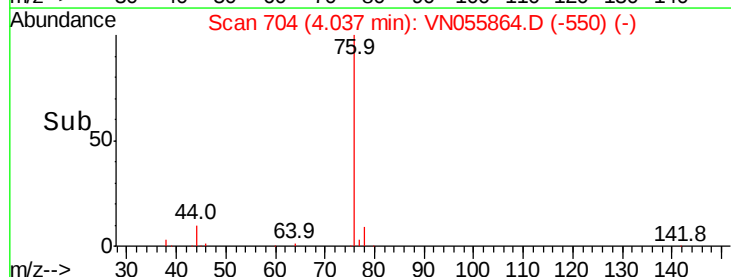
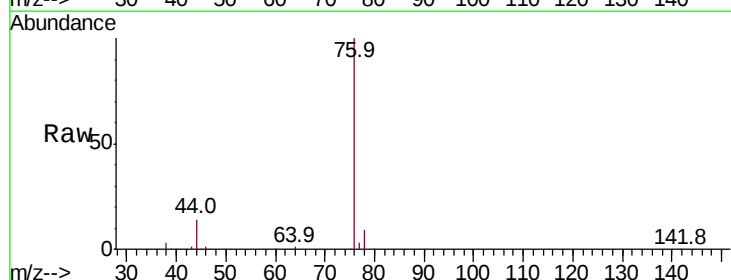
Manual Integrations
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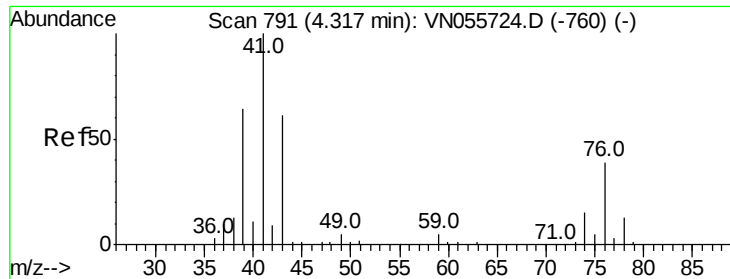
MMDadoda
5/30/2019 9:34:50 AM



#16
Carbon Disulfide
Concen: 17.732 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 76 Resp: 158655
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0





#17

Allvl chloride

Concen: 17.961 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

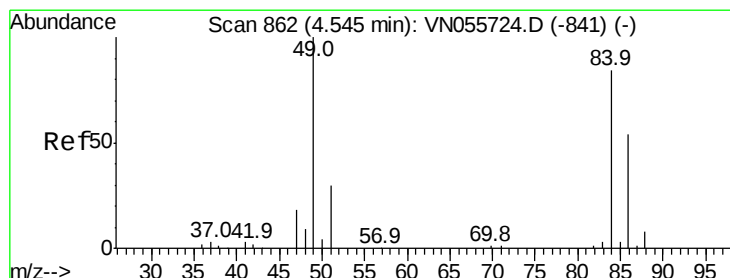
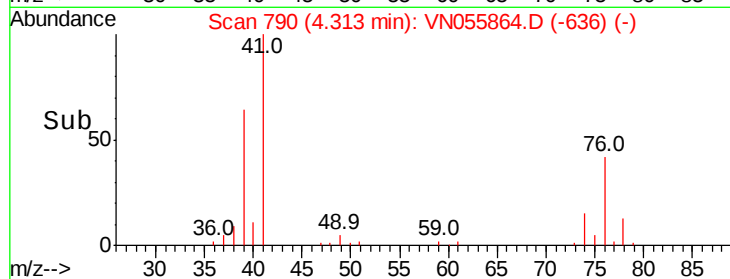
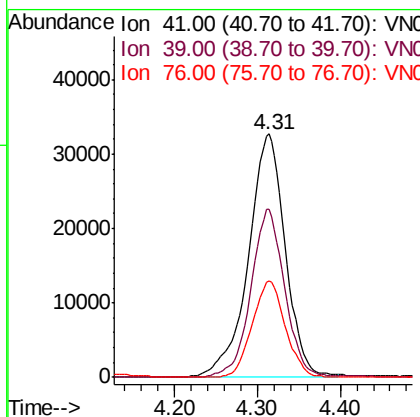
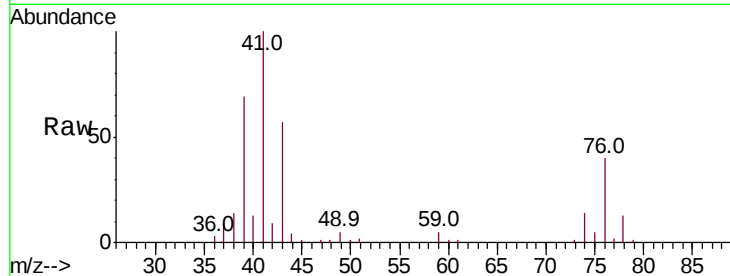
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	100950
Ion Ratio	Lower	Upper	
41	100		
39	69.3	31.8	95.3
76	39.8	19.3	57.9

Manual Integrations
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#18

Methylene Chloride

Concen: 19.744 ug/l

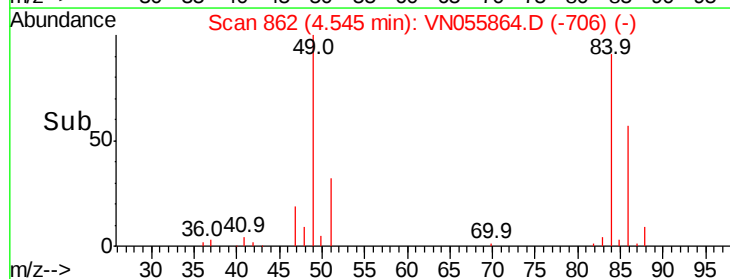
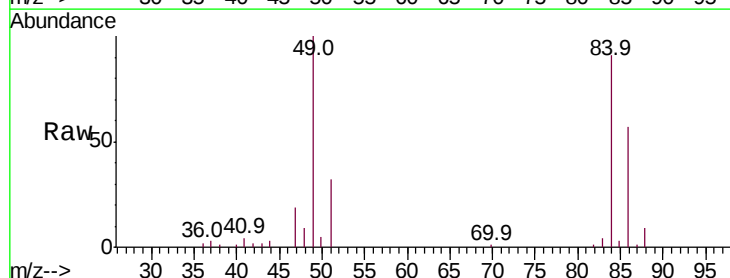
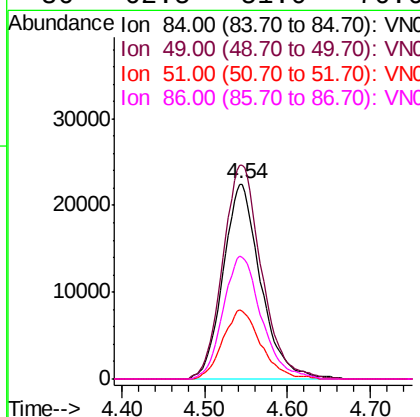
RT: 4.54 min Scan# 862

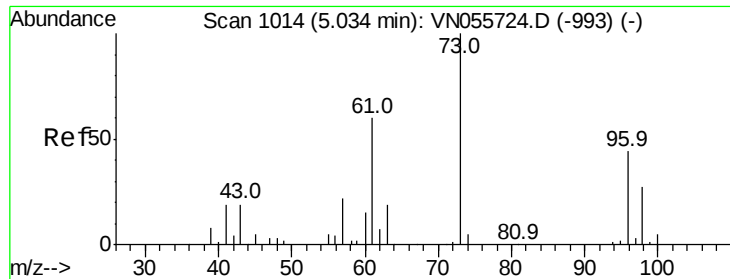
Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Tgt Ion:	84	Resp:	70567
Ion Ratio	Lower	Upper	
84	100		
49	109.6	94.7	142.1
51	34.9	28.6	43.0
86	62.5	51.0	76.6





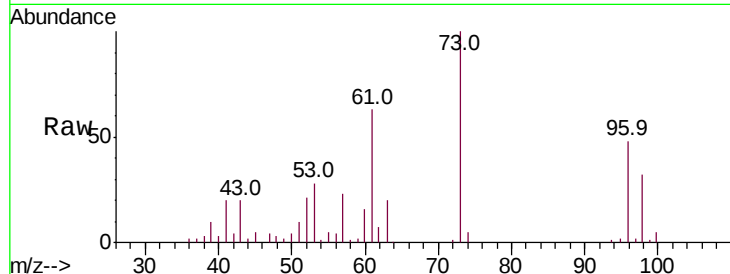
#19
trans-1,2-Dichloroethene
Concen: 19.338 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	108.5	162.7
98	66.6	49.4	74.2

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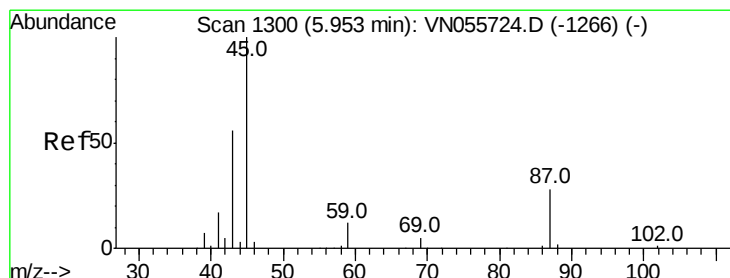
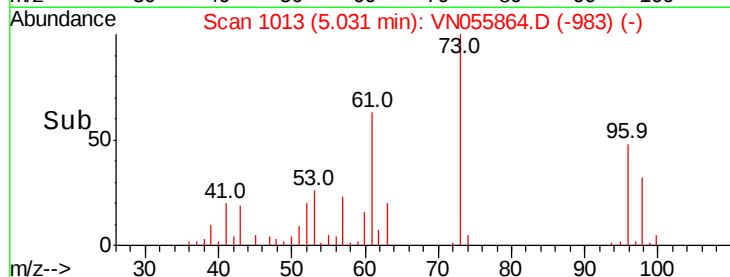
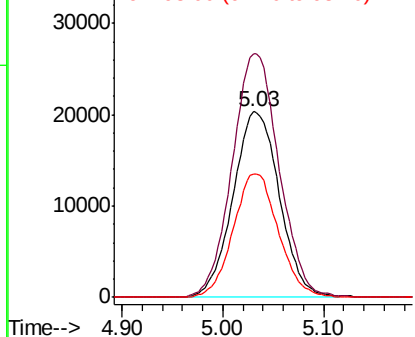


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 18.650 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.1	48.6	73.0
87	28.7	22.6	34.0
59	11.6	9.4	14.2

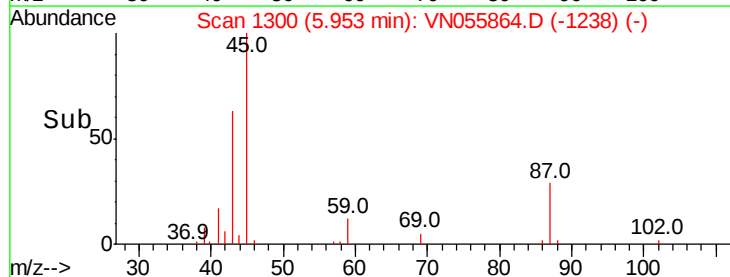
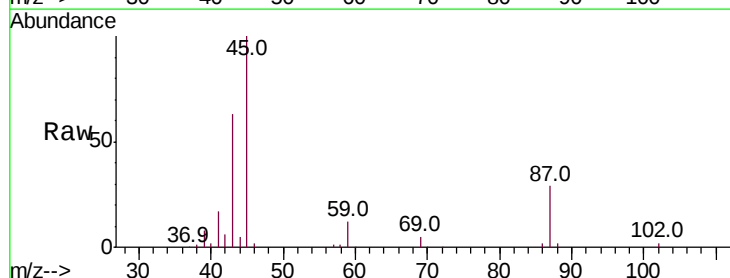
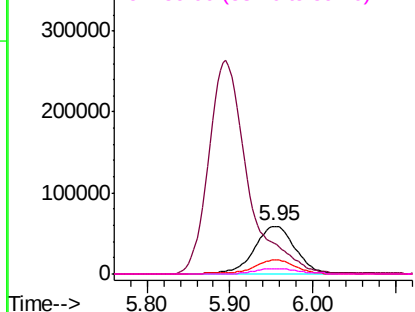
Abundance

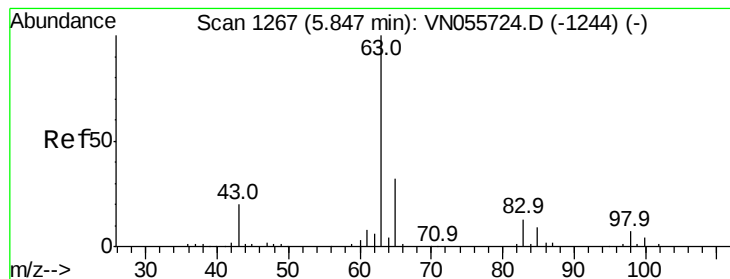
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 19.086 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

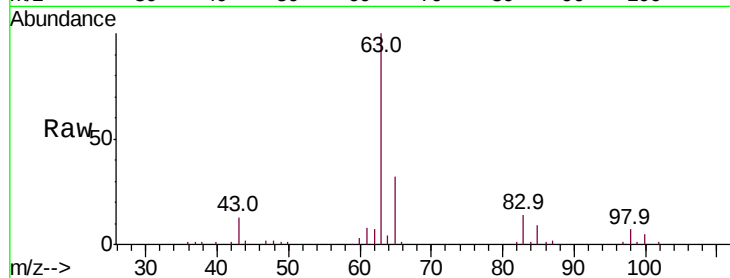
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	117614
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.4	10.2
100	4.6	2.2	6.6

Manual Integrations
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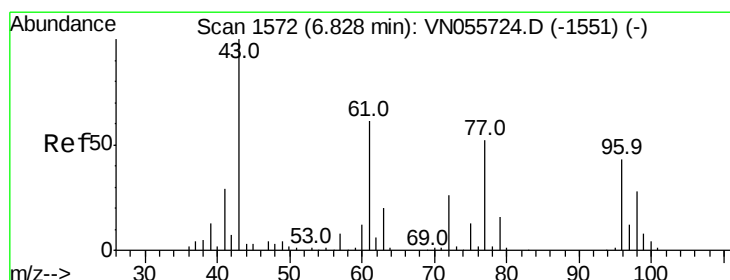
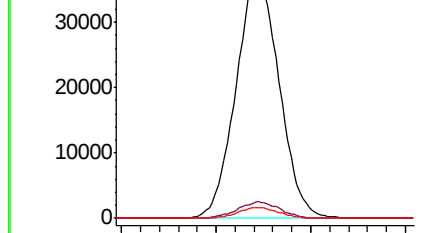
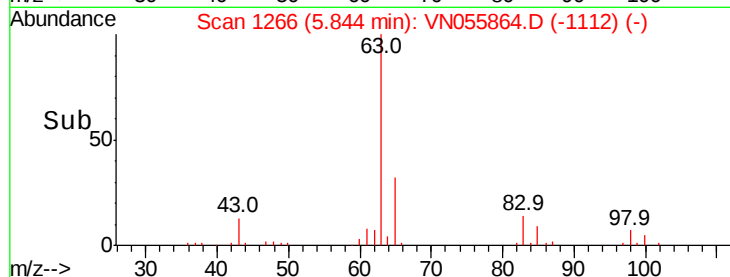


Abundance Ion 63.00 (62.70 to 63.70): VN055864.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN055864.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN055864.D (-1112) (-)

Time--> 5.70 5.80 5.90



#22

cis-1,2-Dichloroethene

Concen: 19.646 ug/l

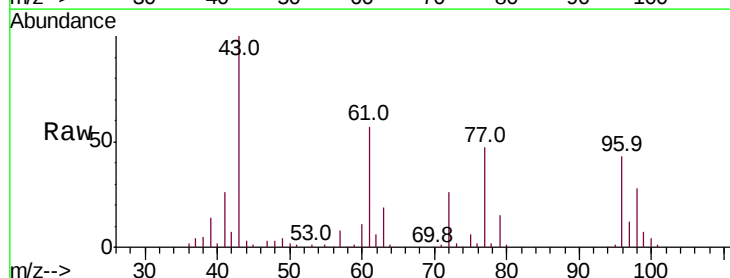
RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Tgt Ion:	96	Resp:	76922
Ion Ratio	Lower	Upper	
96	100		
61	136.9	115.7	173.5
98	65.9	51.5	77.3

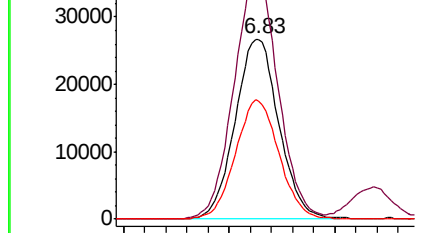
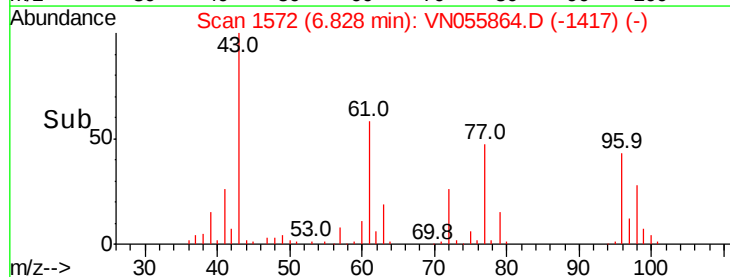


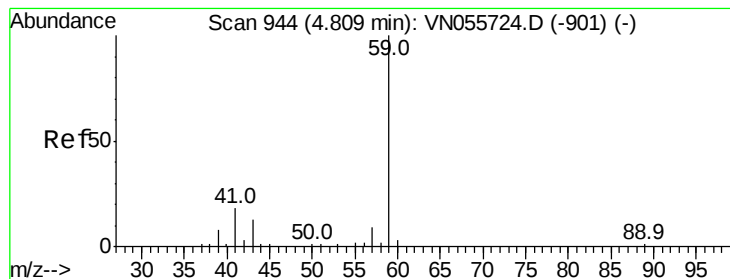
Abundance Ion 96.00 (95.70 to 96.70): VN055864.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN055864.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN055864.D (-1417) (-)

Time--> 6.70 6.80 6.90





#23

tert-Butyl Alcohol

Concen: 91.496 ug/l m

RT: 4.81 min Scan# 944

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 59 Resp: 69923

Ion Ratio Lower Upper

59 100

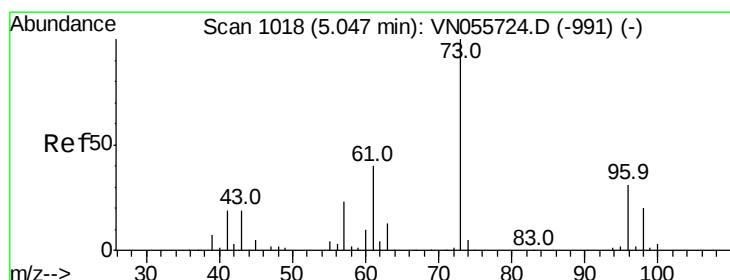
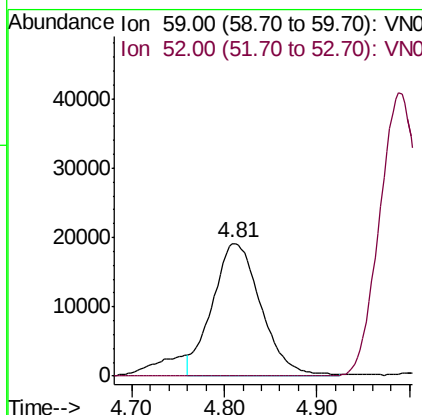
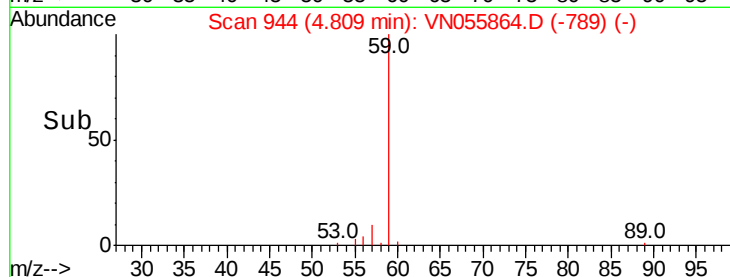
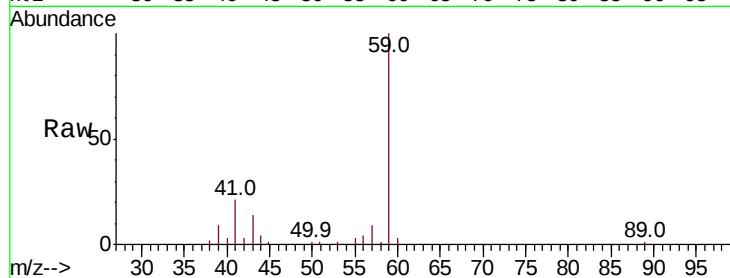
52 0.0 0.0 0.0

Manual Integrations

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#24

Methyl tert-Butyl Ether

Concen: 19.230 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055864.D

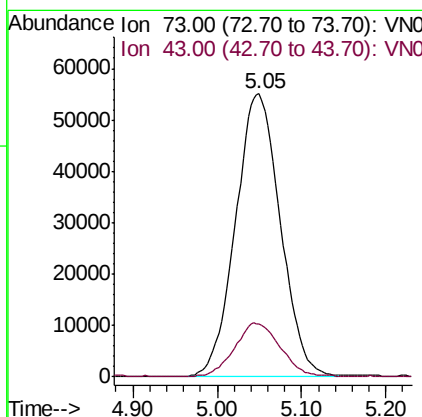
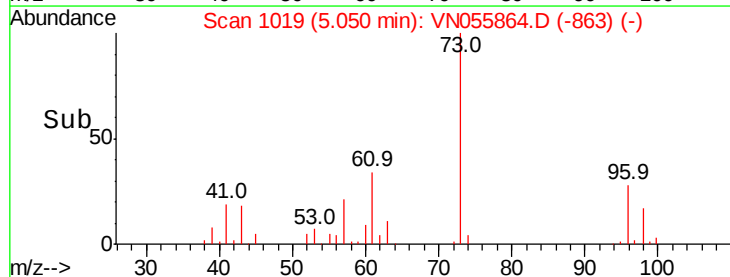
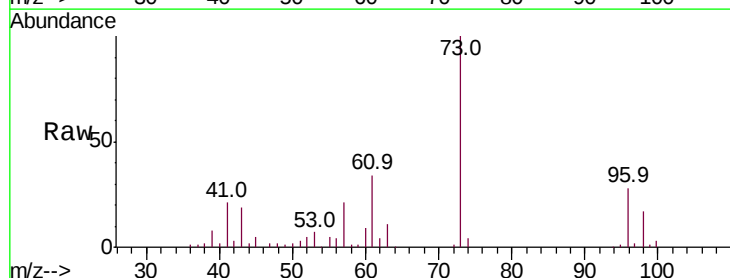
Acq: 29 May 2019 9:24

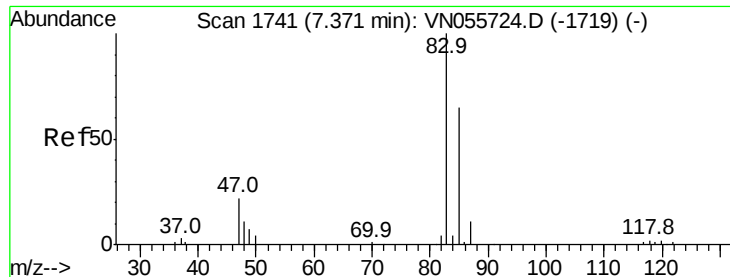
Tgt Ion: 73 Resp: 203624

Ion Ratio Lower Upper

73 100

43 19.3 15.7 23.5





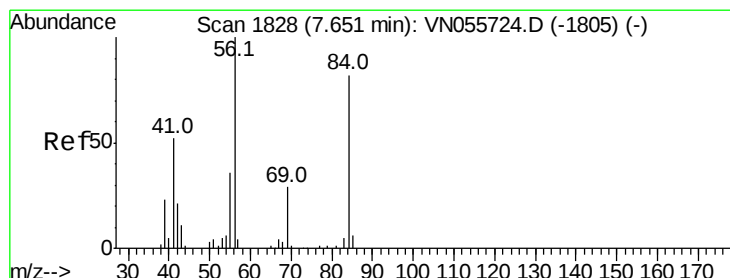
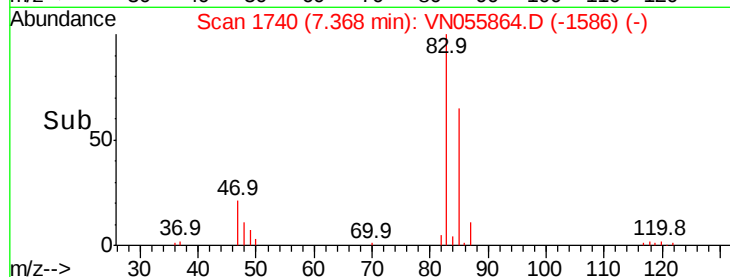
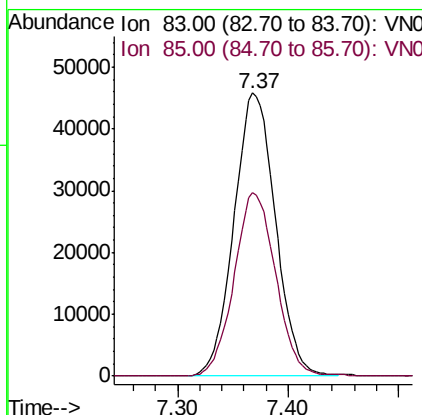
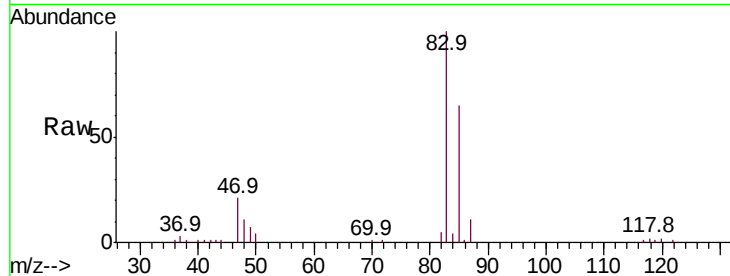
#25
Chloroform
Concen: 19.638 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 83 Resp: 119522
Ion Ratio Lower Upper
83 100
85 65.0 51.7 77.5

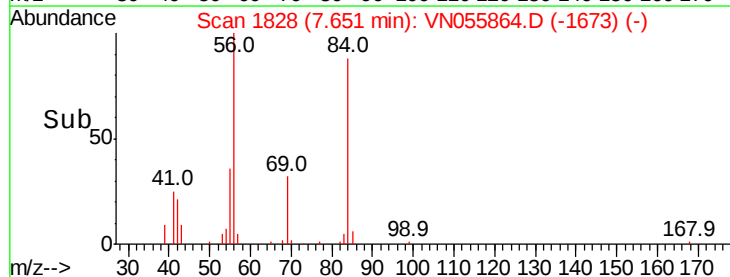
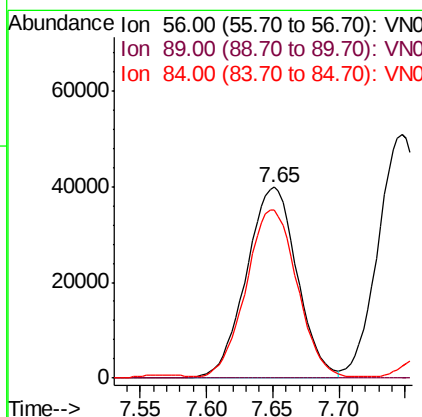
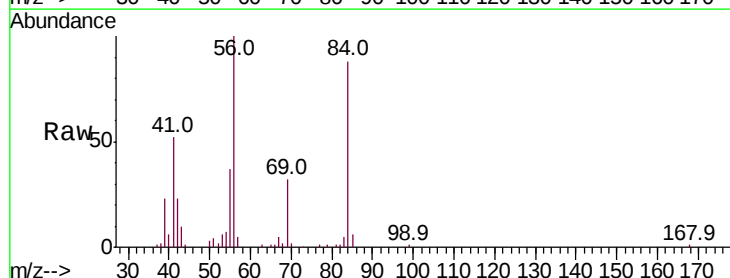
Manual Integrations
APPROVED

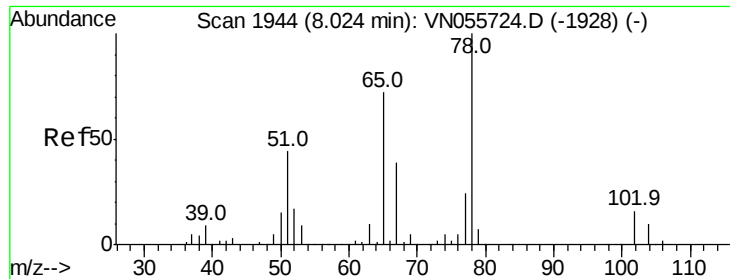
MMDadoda
5/30/2019 9:34:50 AM



#26
Cyclohexane
Concen: 18.721 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 56 Resp: 106430
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.1 67.2 100.8





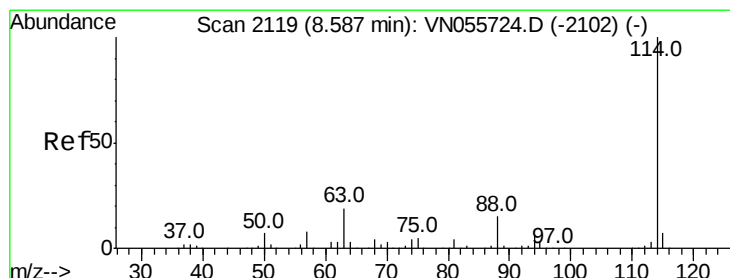
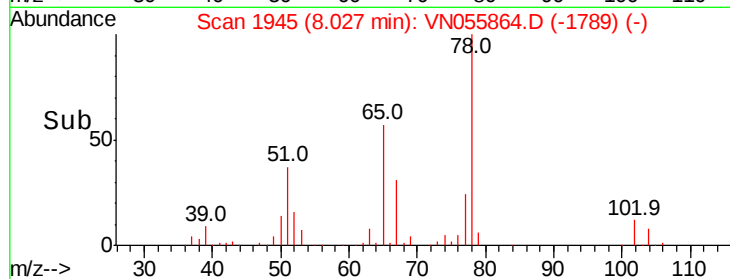
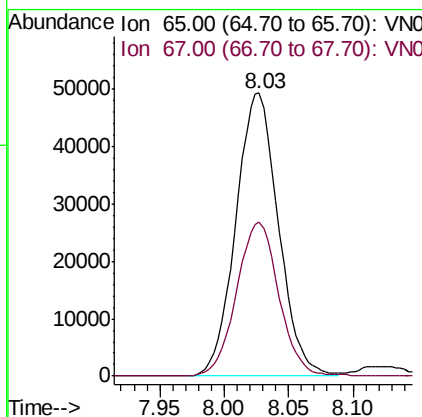
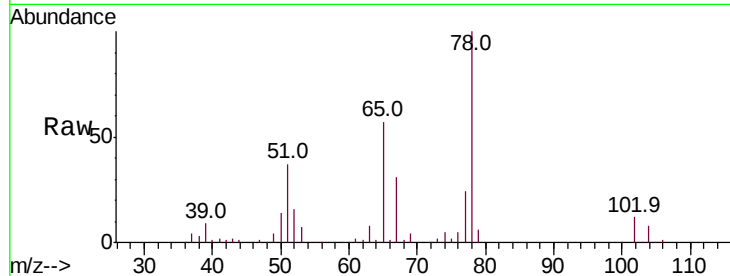
#27
 1,2-Dichloroethane-d4
 Concen: 29.350 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.0	43.5	65.3	

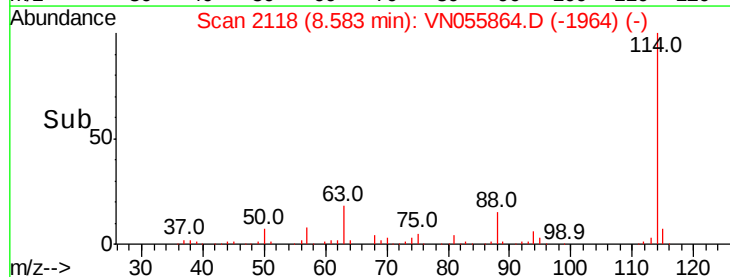
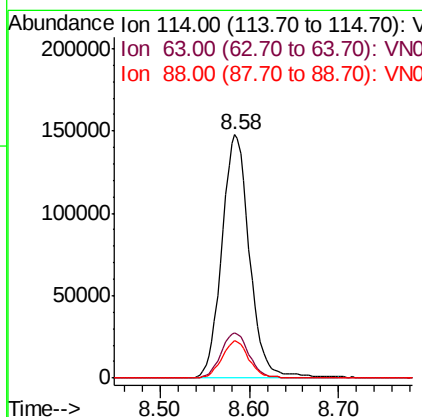
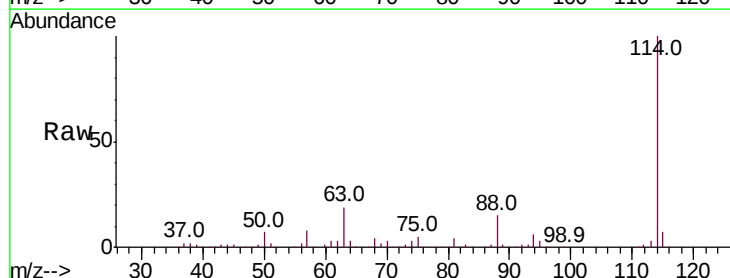
Manual Integrations
 APPROVED

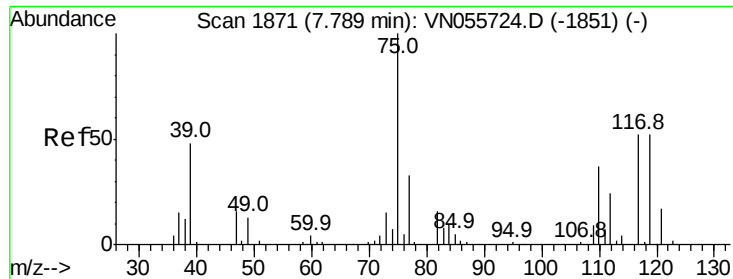
MMDadoda
 5/30/2019 9:34:50 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	15.6	23.4	
88	14.9	12.3	18.5	





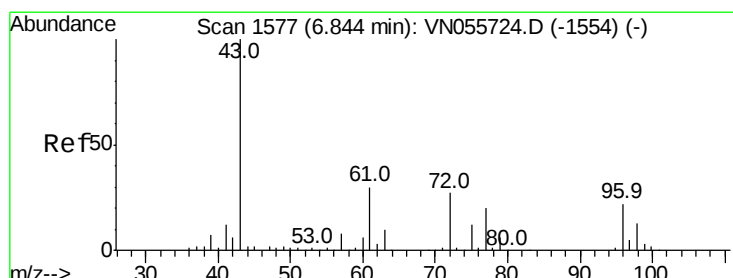
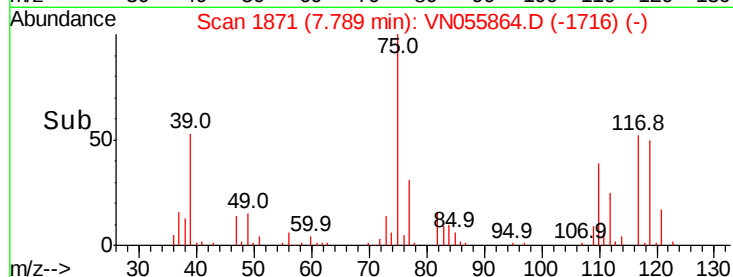
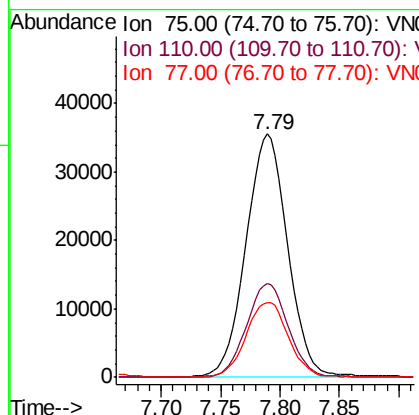
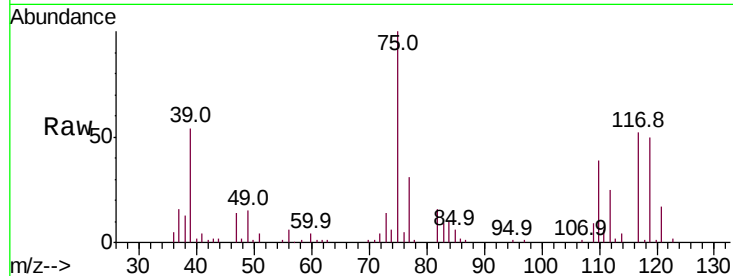
#29
 1,1-Dichloropropene
 Concen: 19.442 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.6	0.0	74.8	
77	31.4	0.0	65.2	

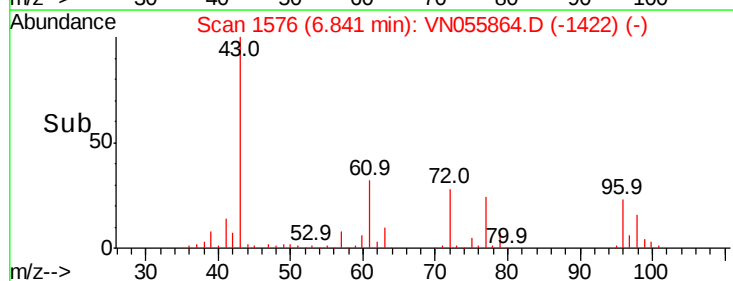
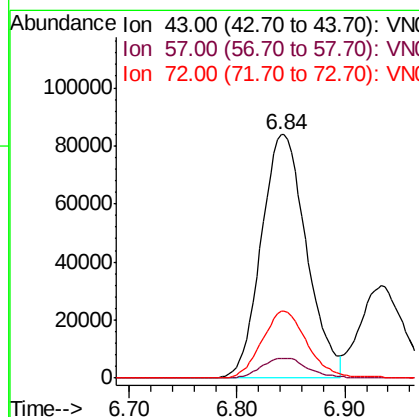
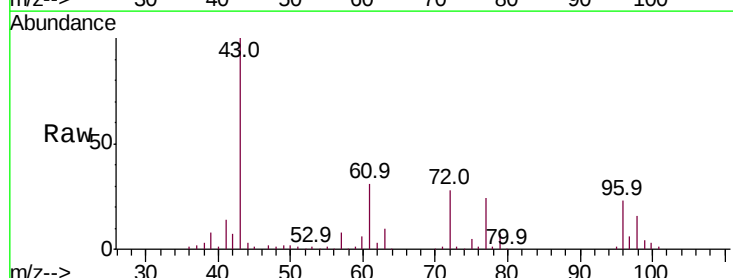
Manual Integrations
 APPROVED

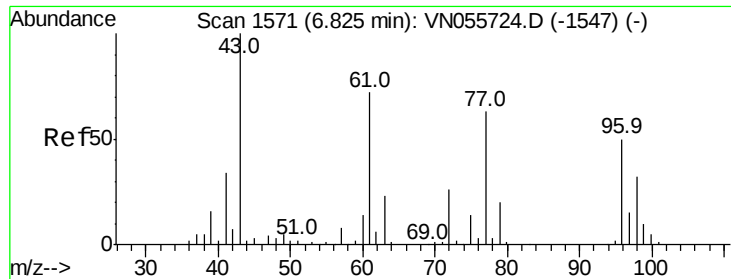
MMDadoda
 5/30/2019 9:34:50 AM



#30
 2-Butanone
 Concen: 102.332 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.4	6.6	10.0	
72	27.7	21.7	32.5	





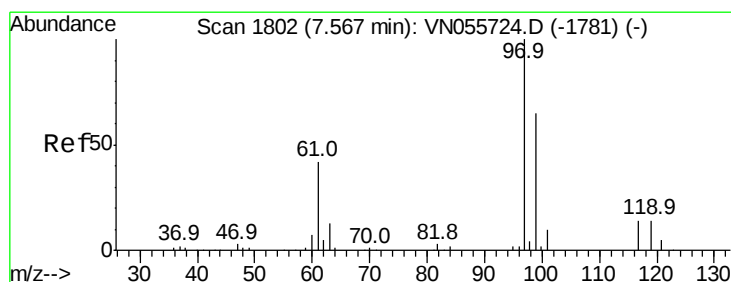
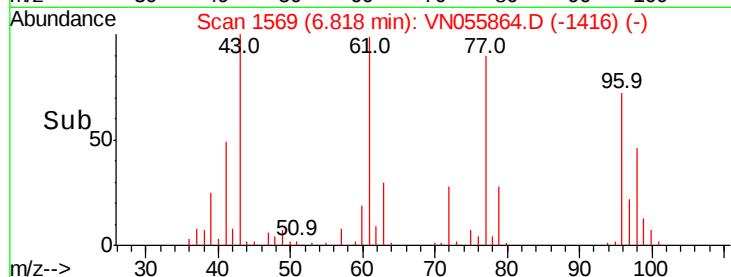
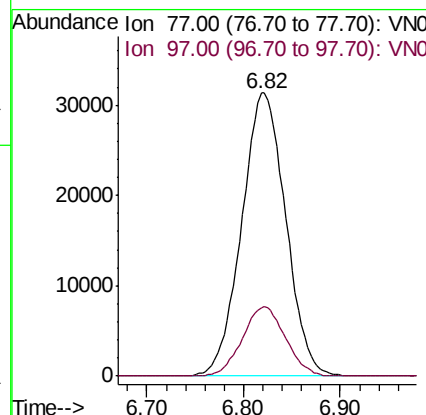
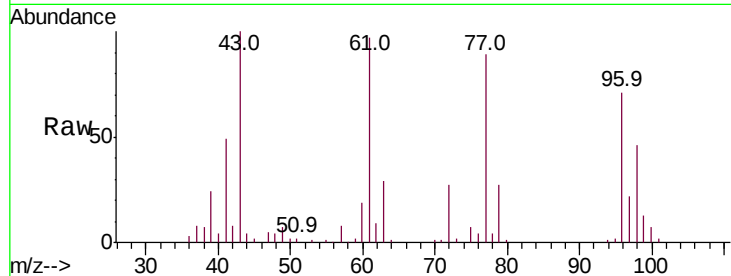
#31
 2,2-Dichloropropane
 Concen: 19.162 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 99089
 Ion Ratio Lower Upper
 77 100
 97 23.9 19.2 28.8

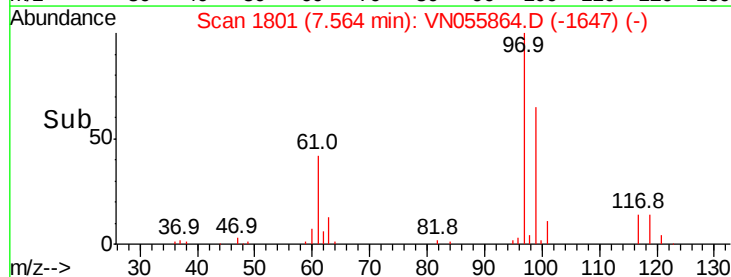
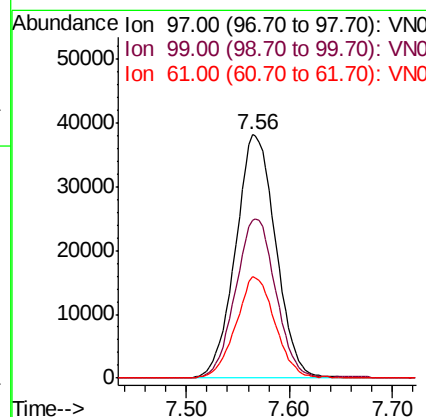
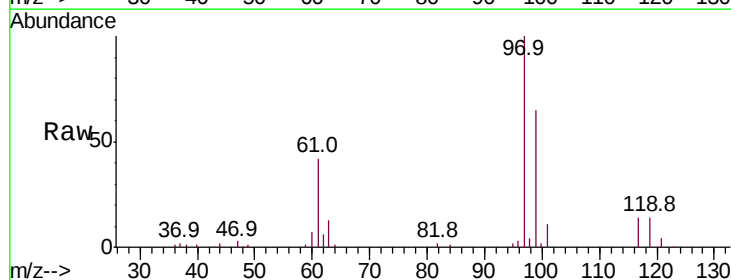
Manual Integrations
 APPROVED

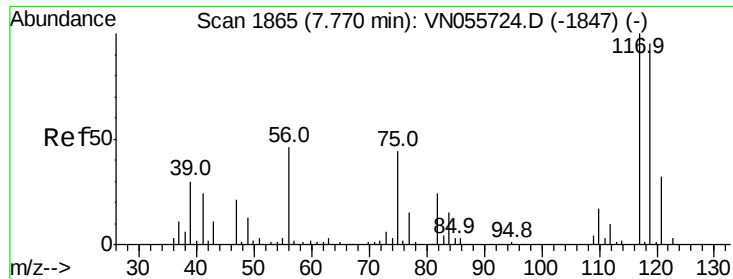
MMDadoda
 5/30/2019 9:34:50 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.625 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion: 97 Resp: 103363
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.7 77.5
 61 40.5 33.1 49.7





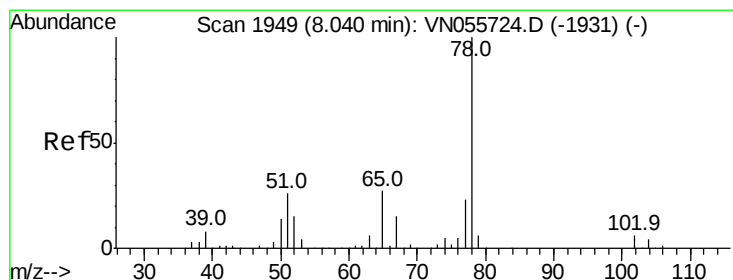
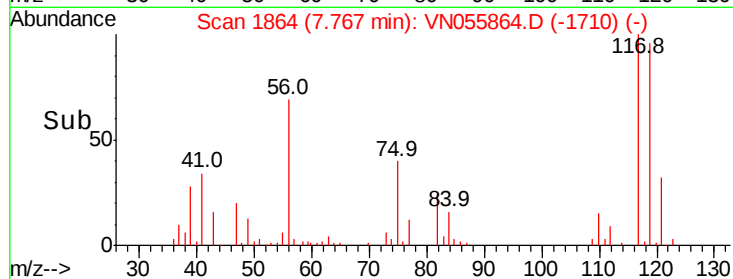
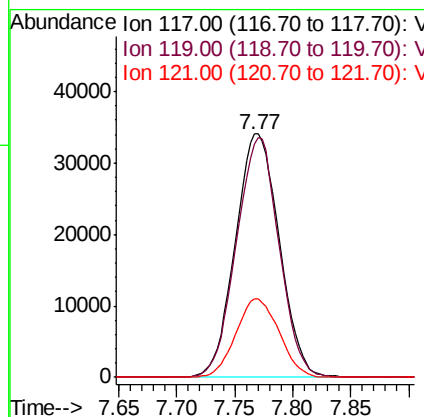
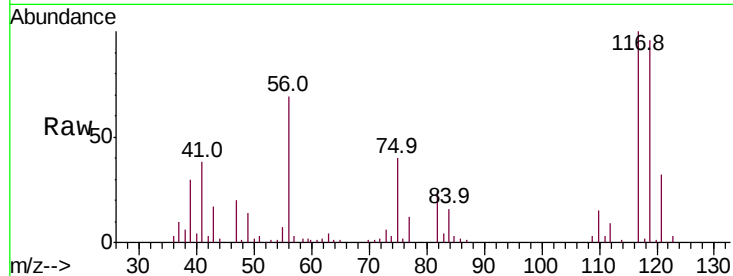
#33
Carbon Tetrachloride
Concen: 19.070 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	113.8
121	32.8	25.4	38.0

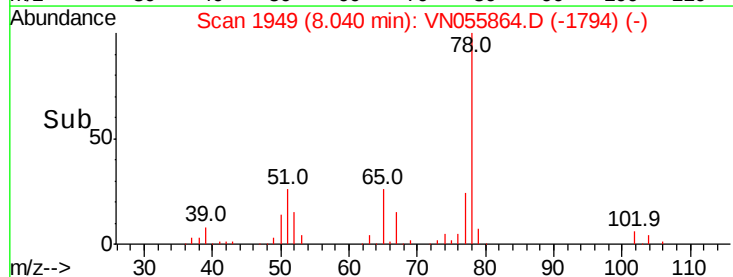
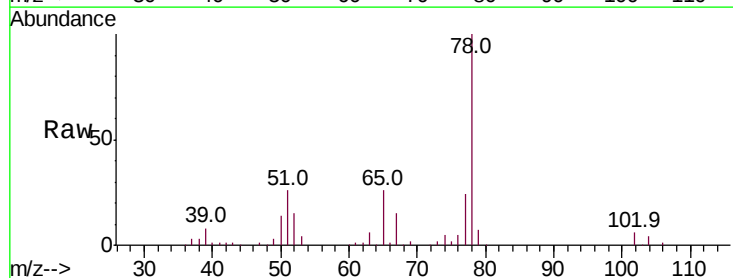
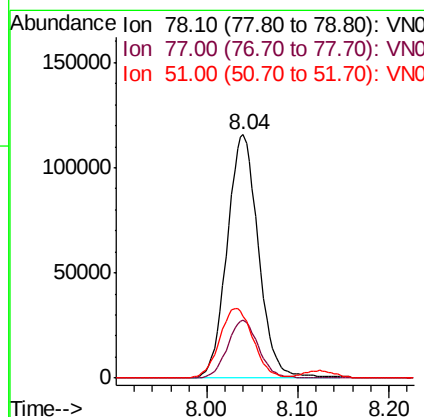
Manual Integrations
APPROVED

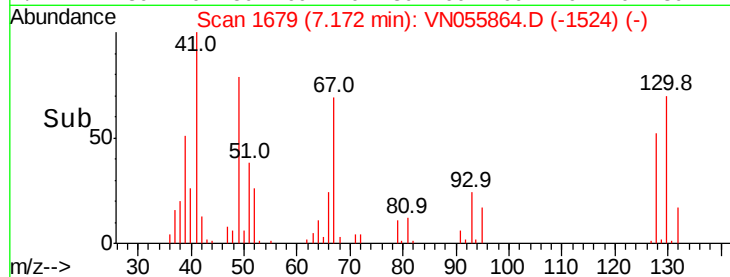
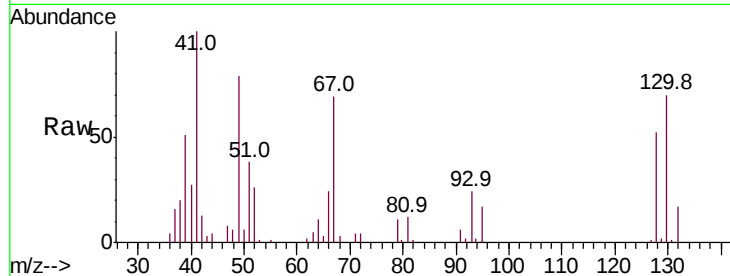
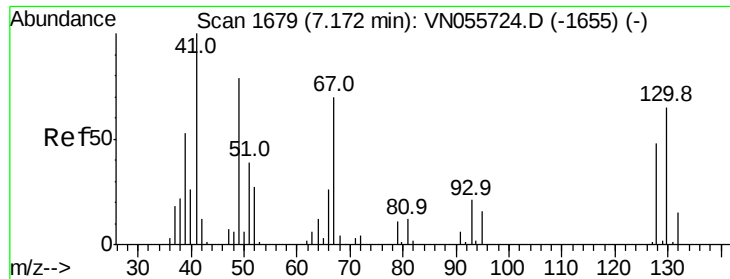
MMDadoda
5/30/2019 9:34:50 AM



#34
Benzene
Concen: 20.205 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2
51	25.5	20.6	31.0





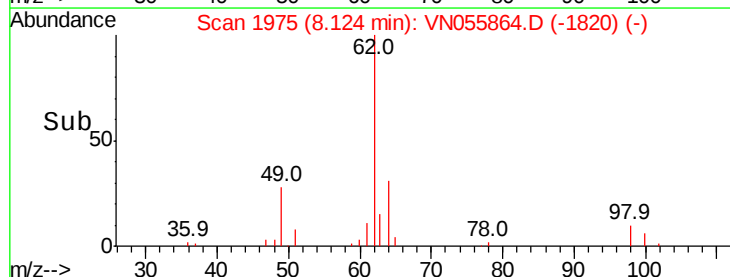
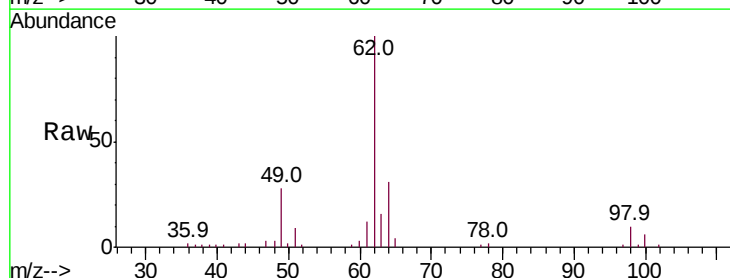
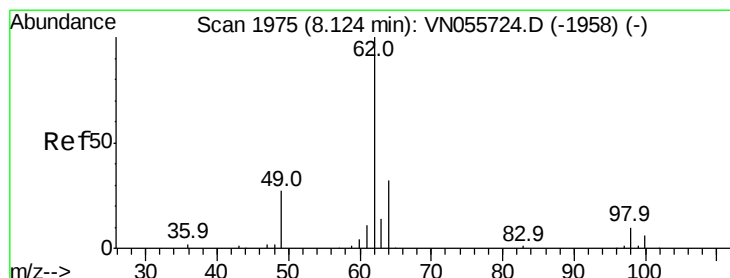
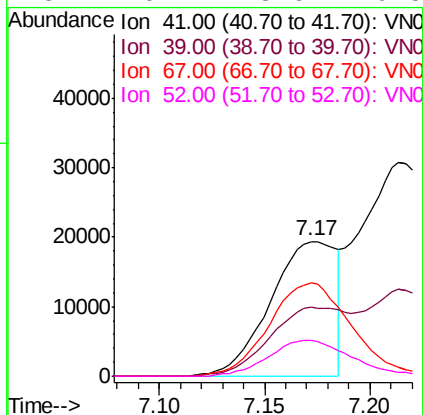
#35
Methacrylonitrile
Concen: 19.302 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.3	26.7	80.1
67	69.2	34.9	104.7
52	26.4	13.6	40.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

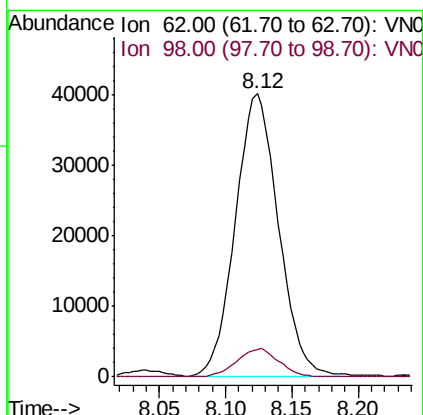
Manual Integrations
APPROVED

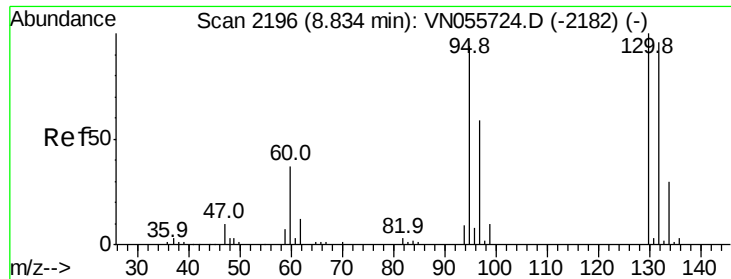
MMDadoda
5/30/2019 9:34:50 AM



#36
1,2-Dichloroethane
Concen: 20.320 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	8.2	12.2





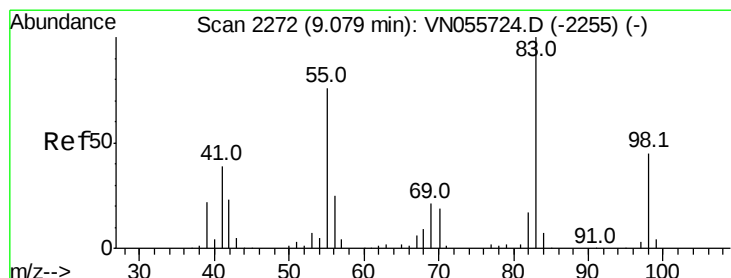
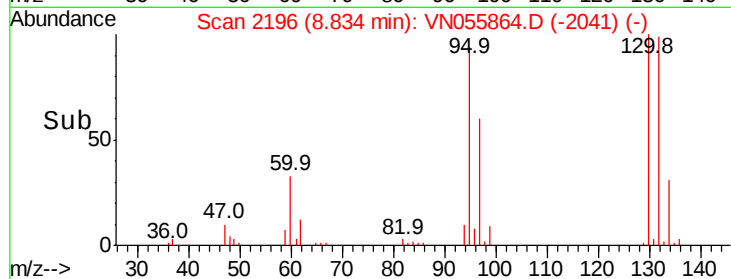
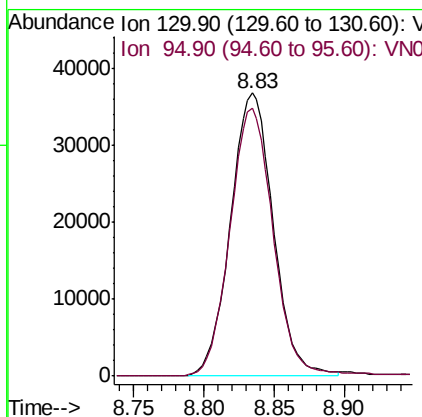
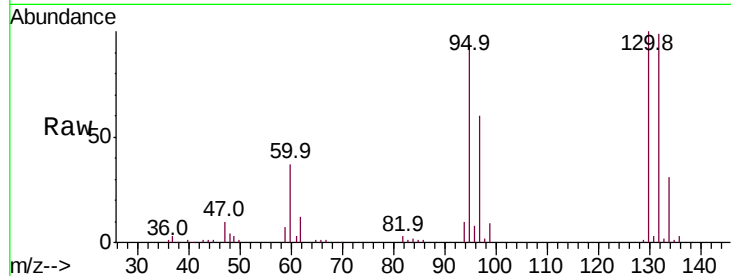
#37
 Trichloroethene
 Concen: 20.355 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 77914
 Ion Ratio Lower Upper
 130 100
 95 94.0 75.6 113.4

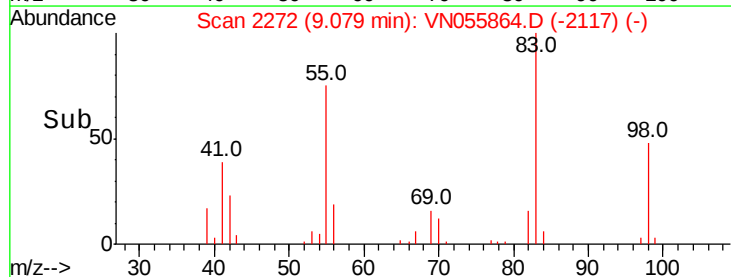
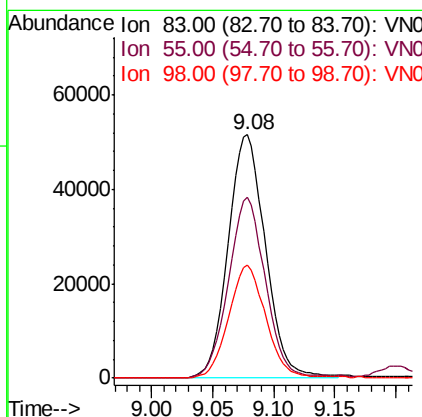
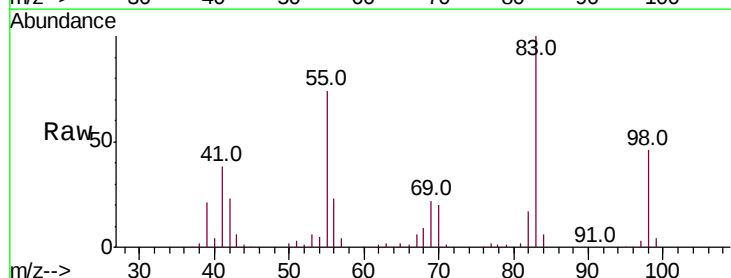
Manual Integrations
 APPROVED

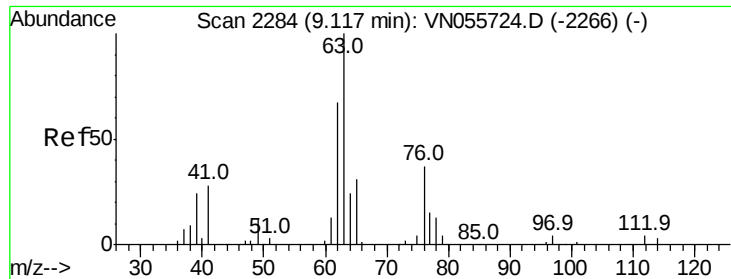
MMDadoda
 5/30/2019 9:34:50 AM



#38
 Methylcyclohexane
 Concen: 19.539 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion: 83 Resp: 110007
 Ion Ratio Lower Upper
 83 100
 55 73.4 37.8 113.4
 98 45.9 22.6 67.8





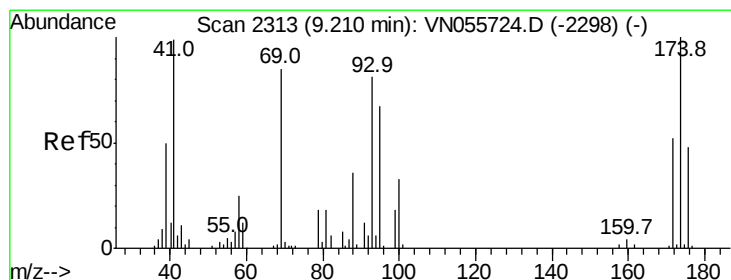
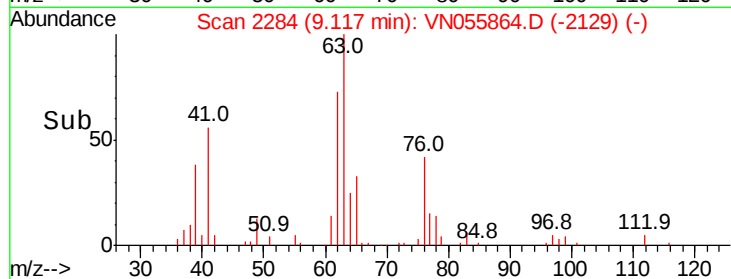
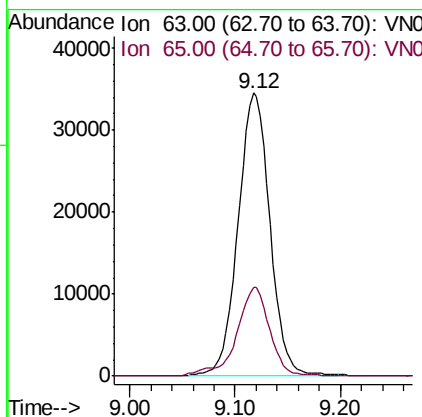
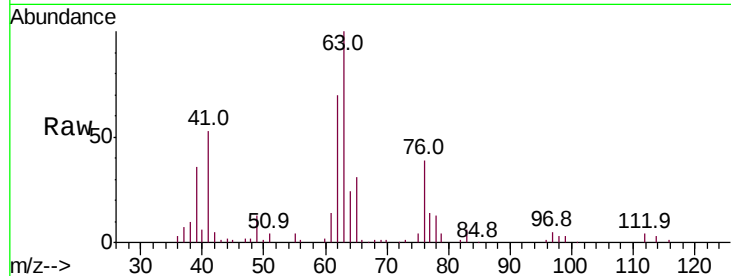
#39
 1,2-Dichloropropane
 Concen: 19.693 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	63	Ratio	100	Resp	72630
Ion	63	100		Lower	Upper
	65	31.4		25.8	38.8

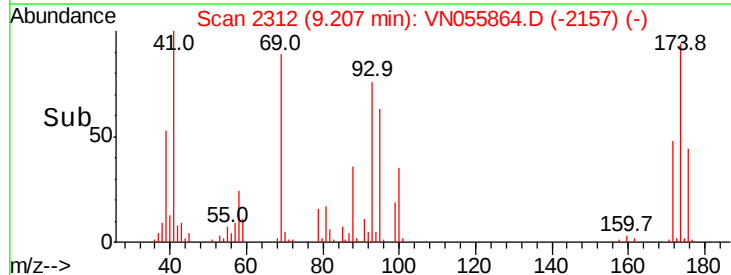
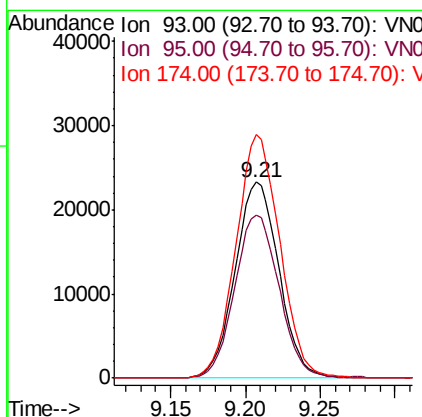
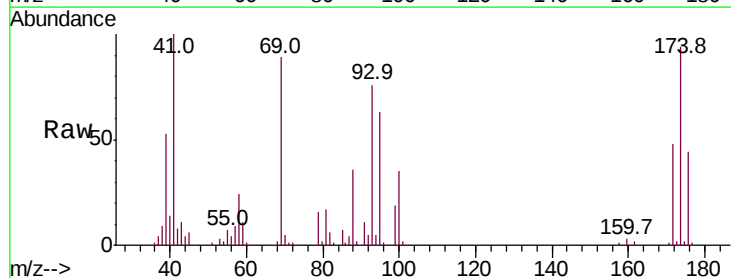
Manual Integrations
 APPROVED

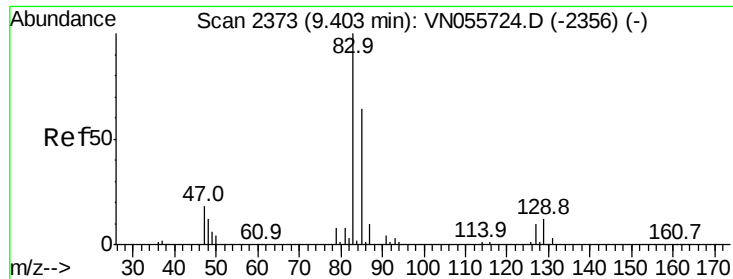
MMDadoda
 5/30/2019 9:34:50 AM



#40
 Dibromomethane
 Concen: 19.937 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion	93	Ratio	100	Resp	47481
Ion	93	100		Lower	Upper
	95	84.2		0.0	170.6
	174	124.3		0.0	248.4





#41

Bromodichloromethane

Concen: 18.895 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

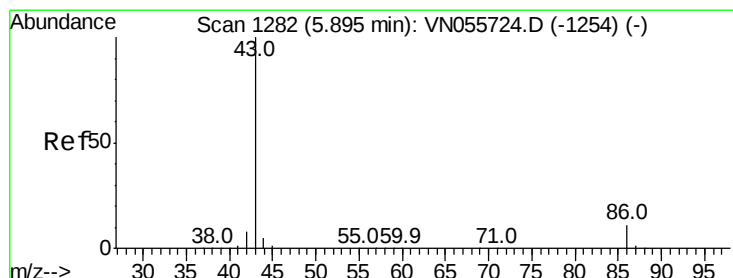
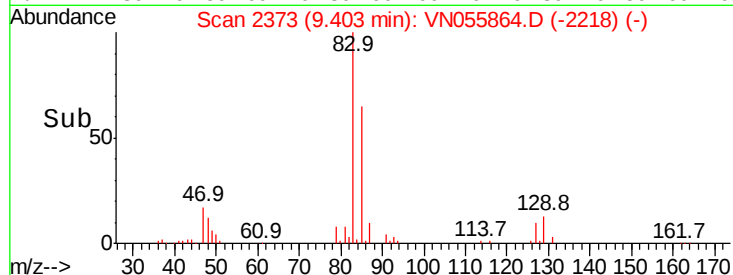
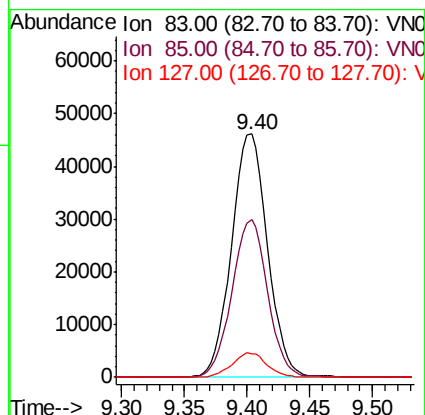
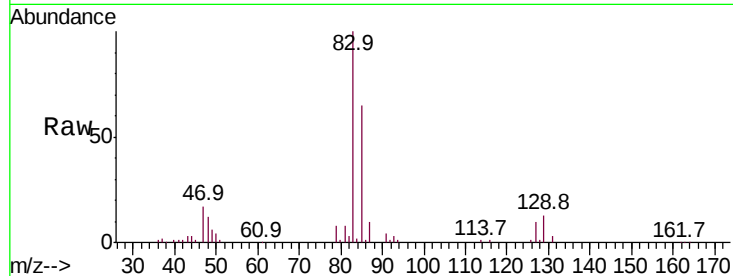
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	92225
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.4	77.0
127	9.9	7.7	11.5

Manual Integrations
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#42

Vinyl Acetate

Concen: 94.531 ug/l

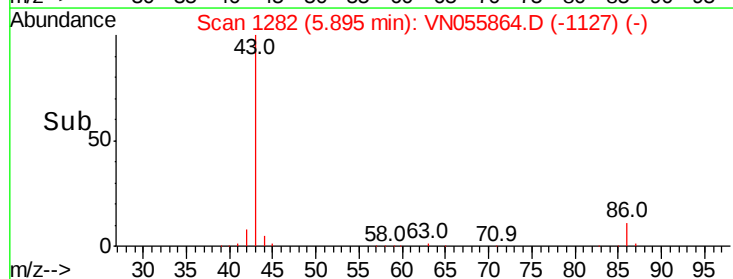
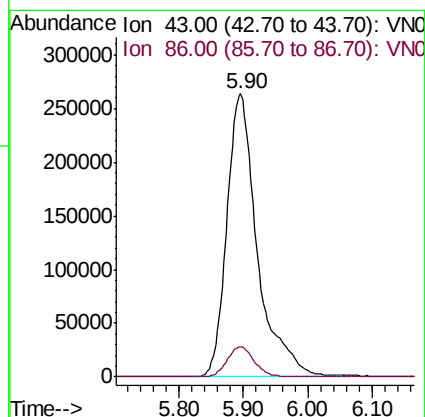
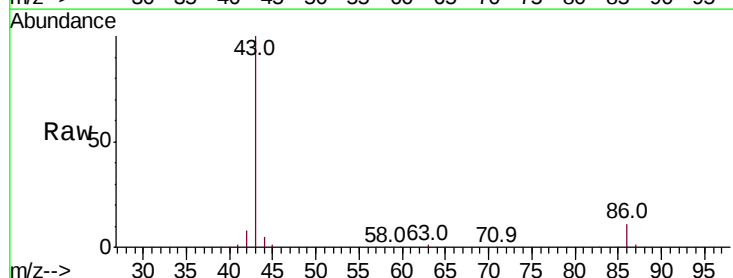
RT: 5.90 min Scan# 1282

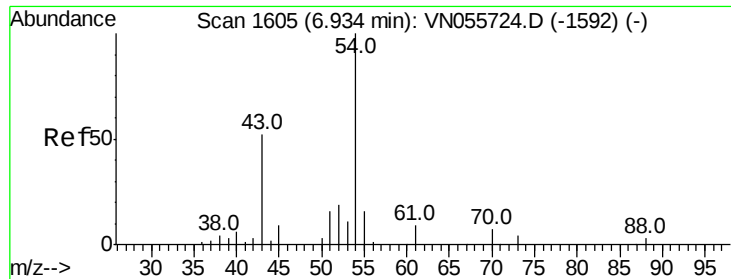
Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Tgt Ion:	43	Resp:	869290
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.4	11.2





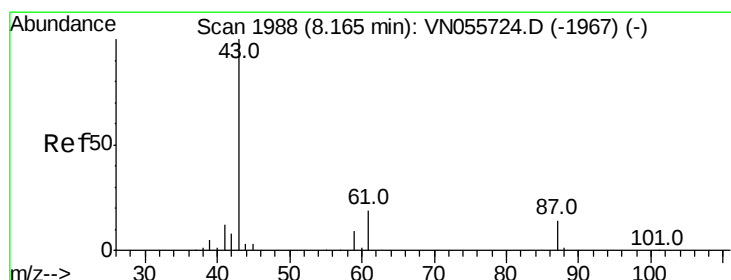
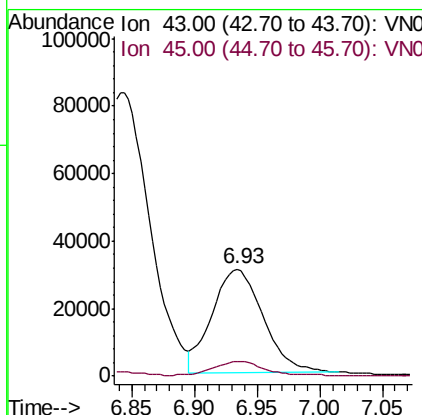
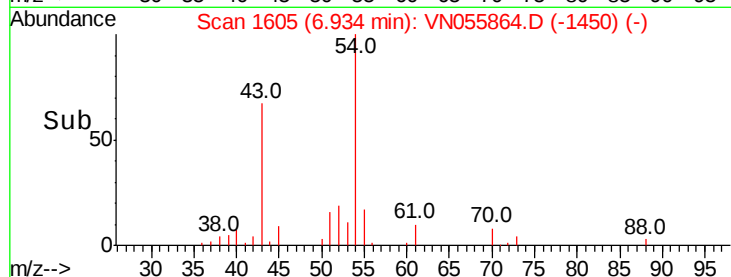
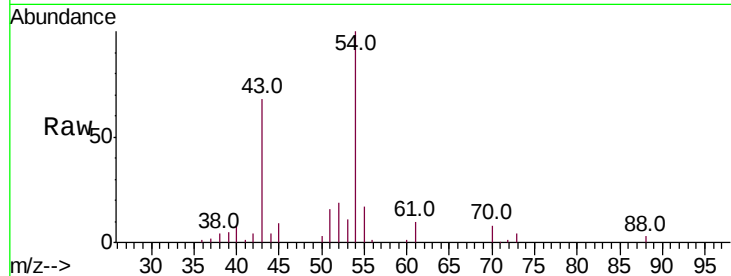
#43
Ethyl Acetate
Concen: 18.620 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	45	Ratio	100	12.4	Resp	86685	Lower	Upper
Ion	43	45	Ratio	100	12.4	Resp	86685	Lower	Upper
								0.0	0.0#

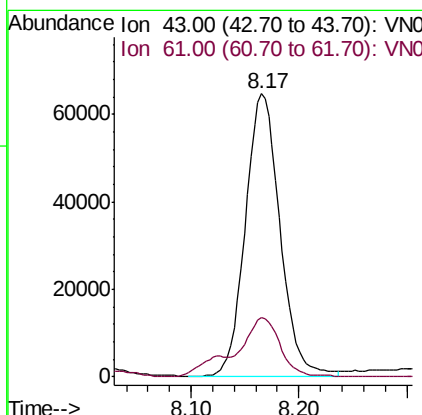
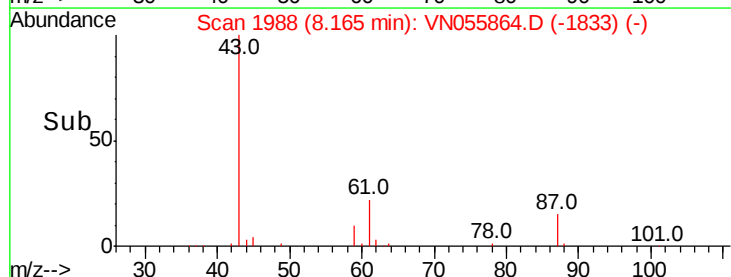
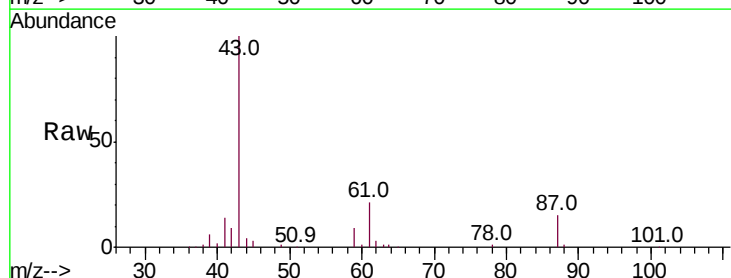
Manual Integrations
APPROVED

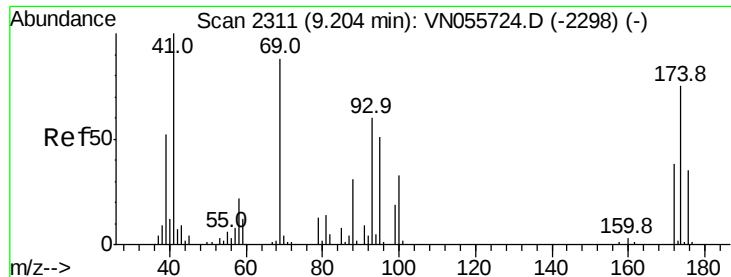
MMDadoda
5/30/2019 9:34:50 AM



#44
Isopropyl Acetate
Concen: 18.809 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	43	61	Ratio	100	19.7	Resp	145004	Lower	Upper
Ion	43	61	Ratio	100	19.7	Resp	145004	Lower	Upper
								22.1	33.1#





#45

1,4-Dioxane

Concen: 365.133 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

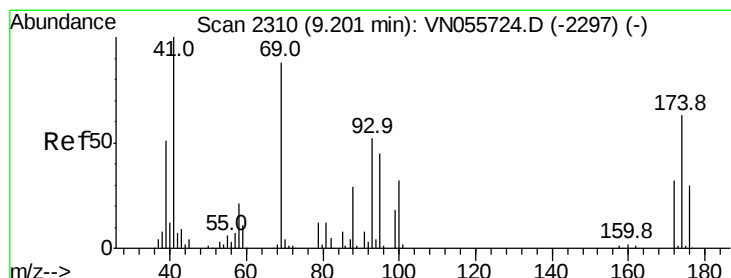
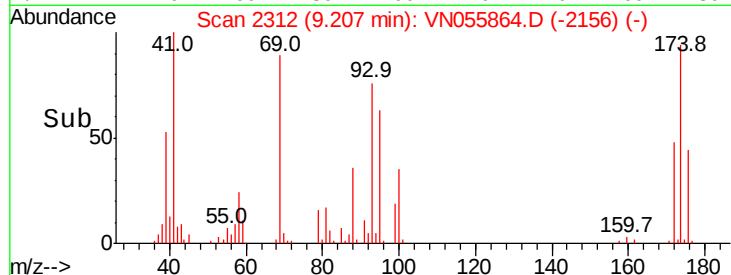
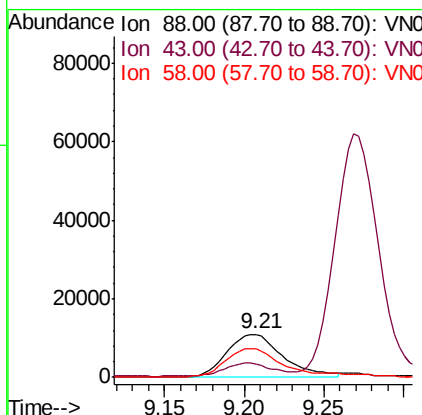
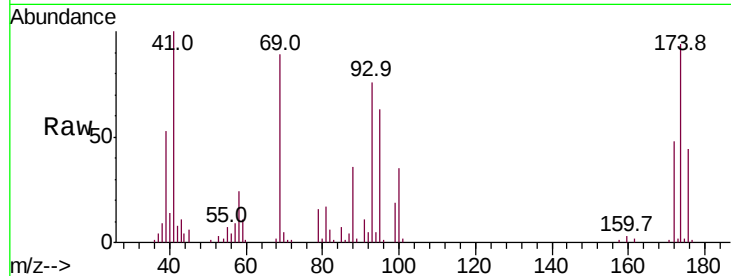
ClientSampleId :

VSTDCCC020

Tot Ion:	88	Resp:	26482
Ion	Ratio	Lower	Upper
88	100		
43	26.2	20.5	30.7
58	65.9	56.1	84.1

Manual Integrations
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#46

Methyl methacrylate

Concen: 18.454 ug/l

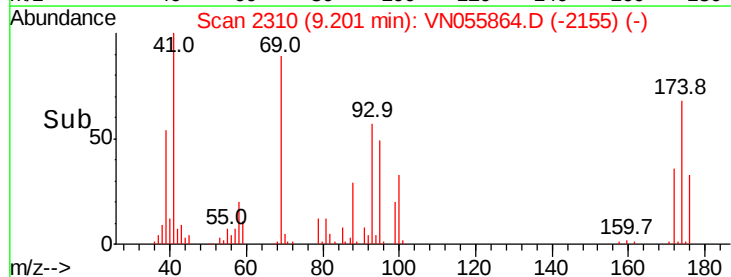
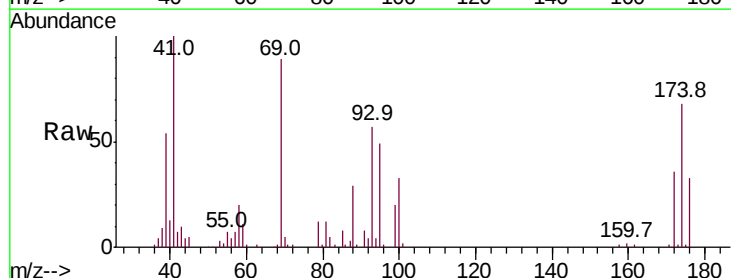
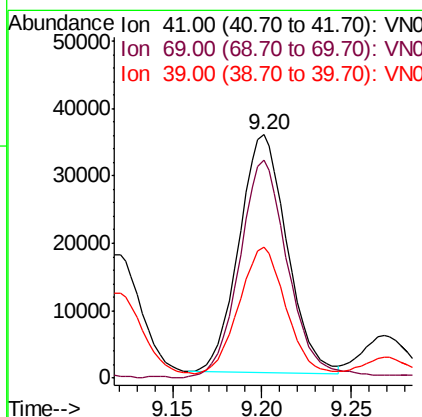
RT: 9.20 min Scan# 2310

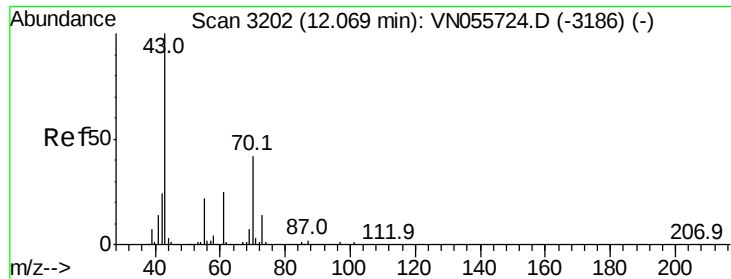
Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Tgt Ion:	41	Resp:	66375
Ion	Ratio	Lower	Upper
41	100		
69	91.3	43.8	131.4
39	52.8	25.6	76.6





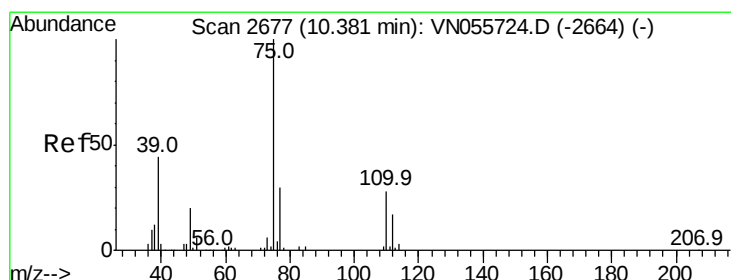
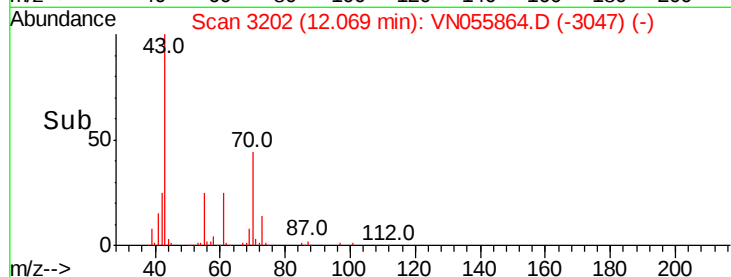
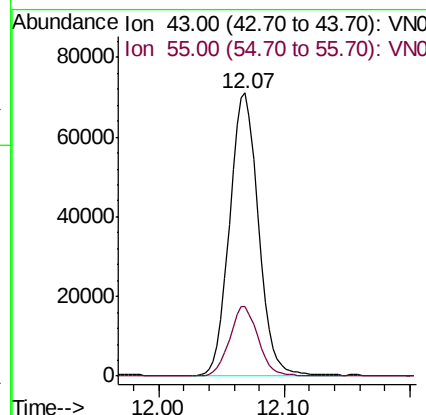
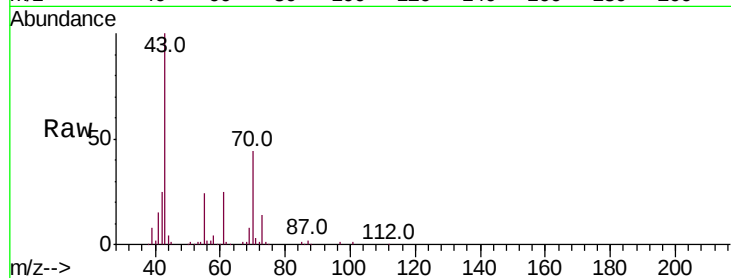
#47
n-amvl Acetate
Concen: 17.667 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 112653
Ion Ratio Lower Upper
43 100
55 24.5 17.8 26.6

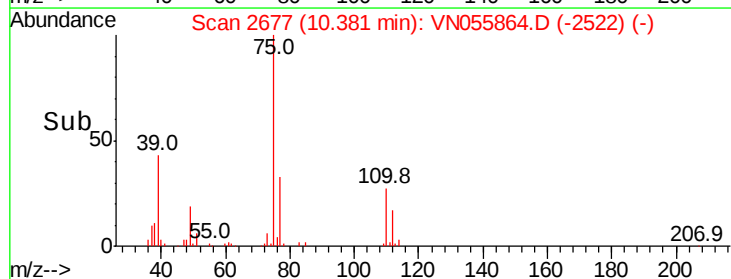
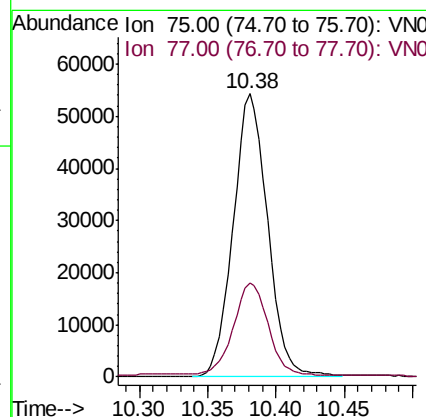
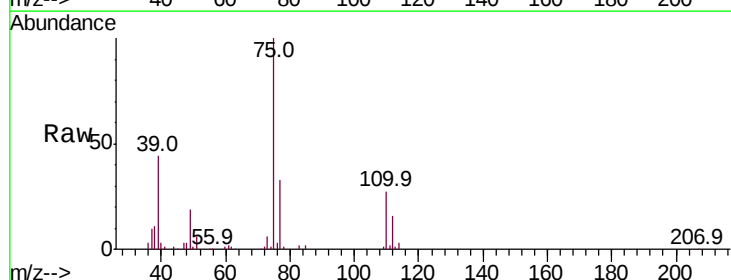
Manual Integrations
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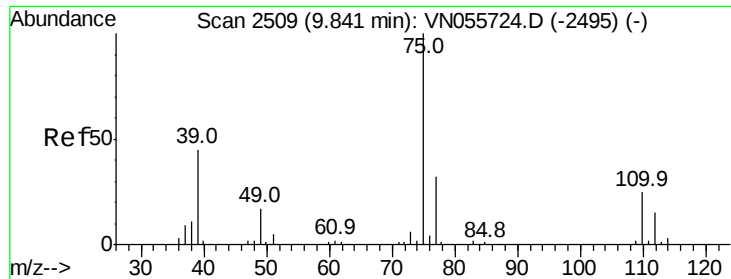
MMDadoda
5/30/2019 9:34:50 AM



#48
t-1,3-Dichloropropene
Concen: 17.740 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 75 Resp: 95582
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8





#49

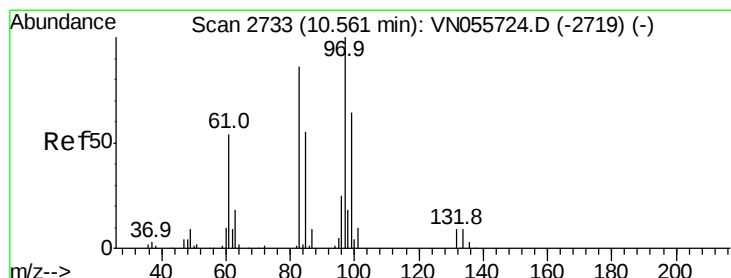
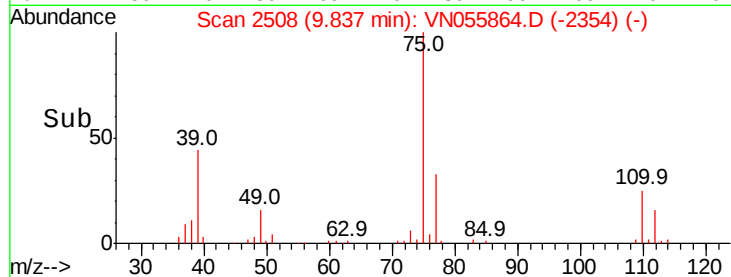
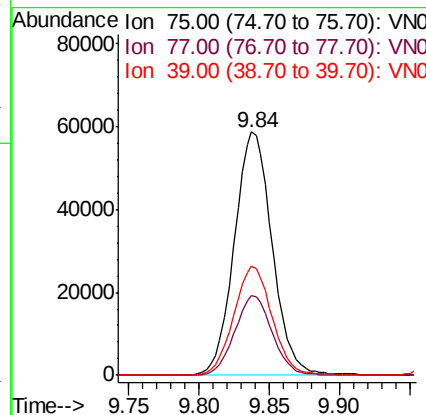
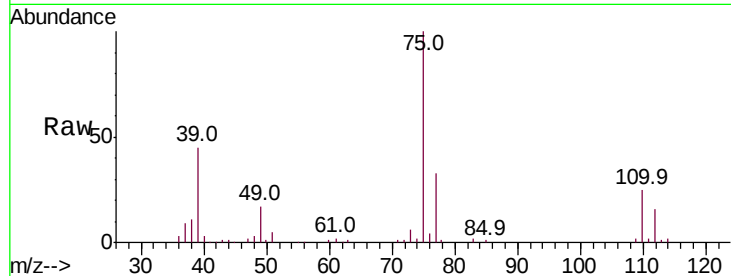
cis-1,3-Dichloropropene
Concen: 18.708 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	32.7	26.0	39.0	
39	44.7	36.2	54.4	

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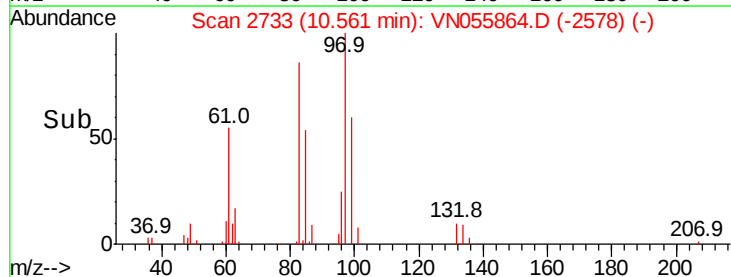
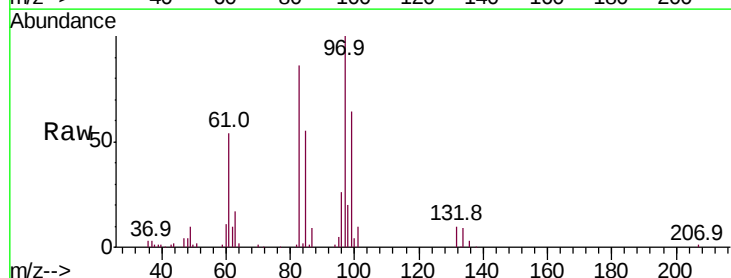
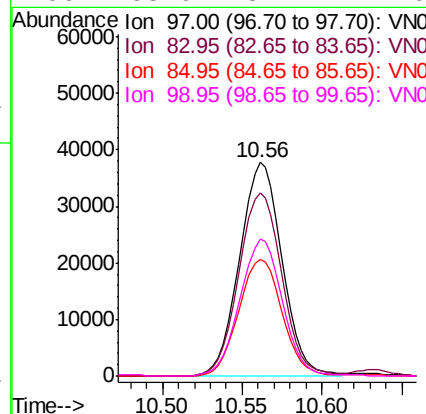
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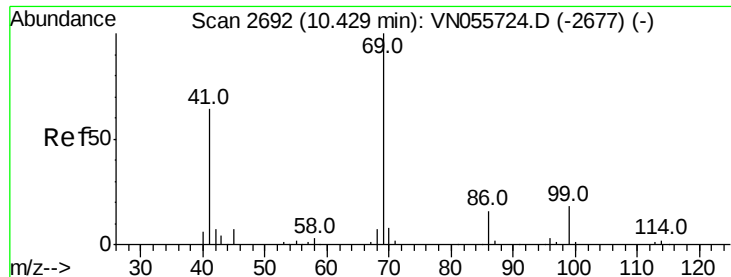


#50

1,1,2-Trichloroethane
Concen: 19.765 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	85.8	68.9	103.3	
85	54.7	44.3	66.5	
99	63.9	51.4	77.0	





#51

Ethyl methacrylate

Concen: 18.762 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

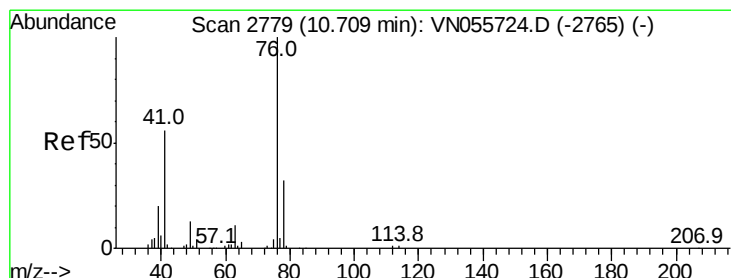
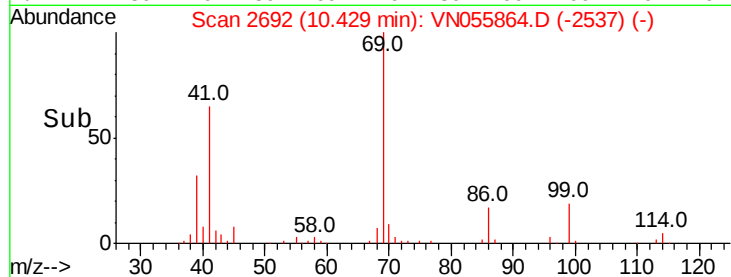
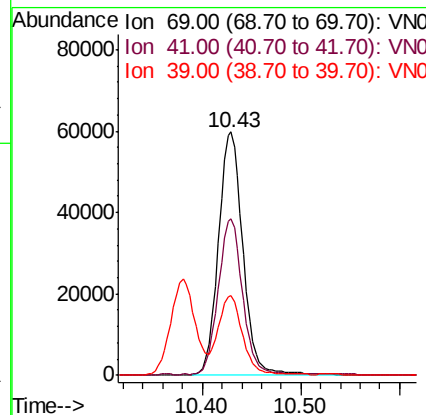
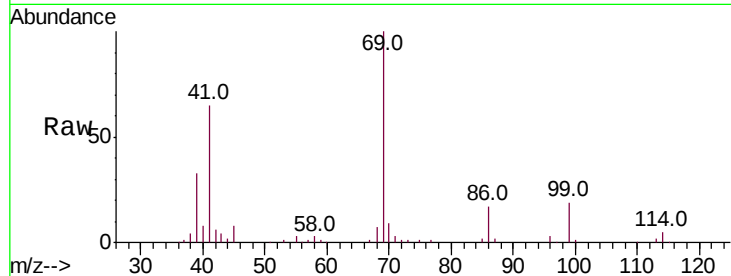
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	104847
Ion Ratio	Lower	Upper	
69	100		
41	64.1	31.9	95.7
39	32.1	15.7	47.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.861 ug/l

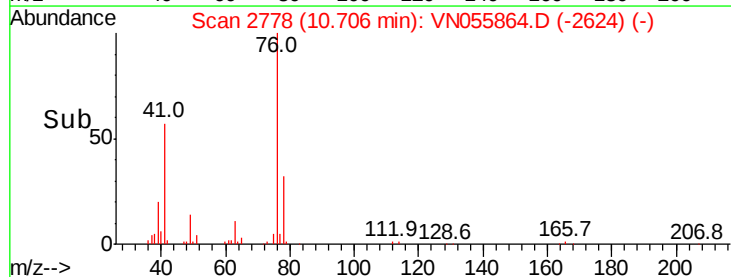
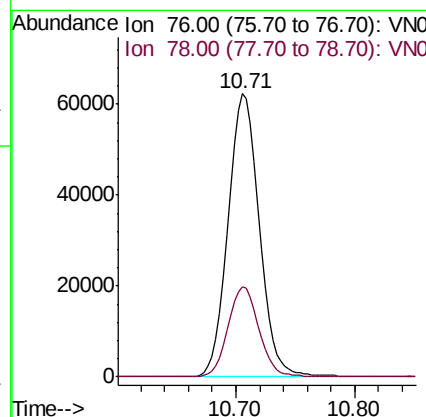
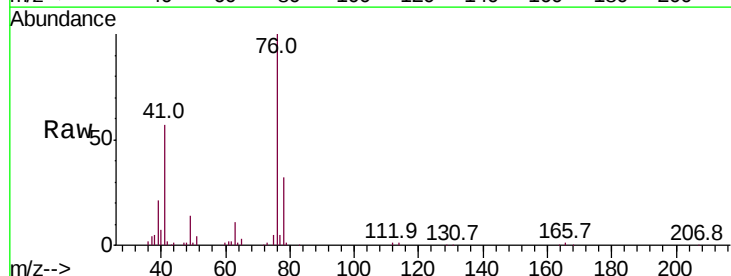
RT: 10.71 min Scan# 2778

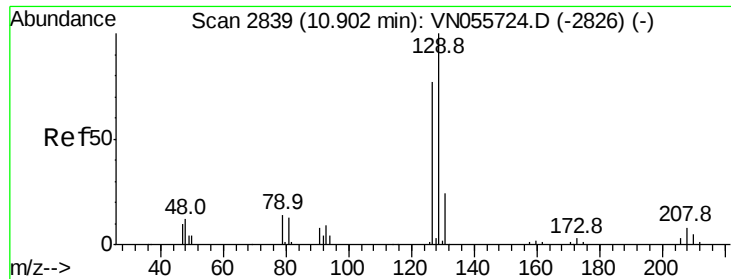
Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Tgt Ion:	76	Resp:	113503
Ion Ratio	Lower	Upper	
76	100		
78	31.4	0.0	65.0





#53

Dibromochloromethane

Concen: 18.483 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 75702

Ion Ratio Lower Upper

129 100

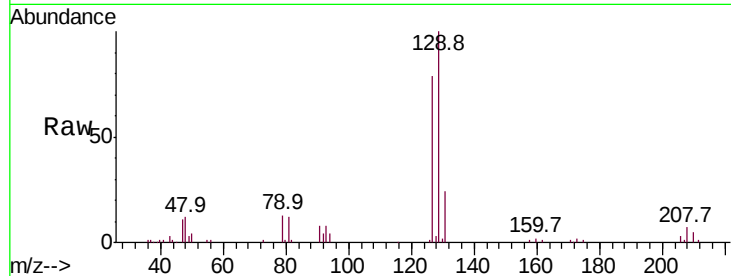
127 77.4 39.2 117.6

Manual Integrations

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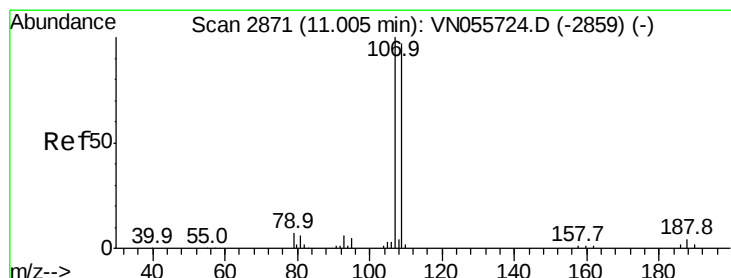
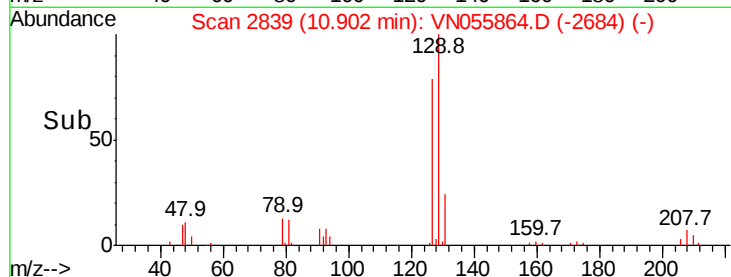
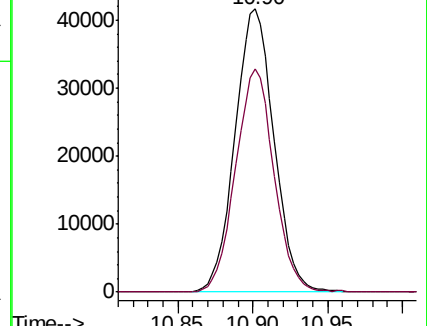
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.100 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055864.D

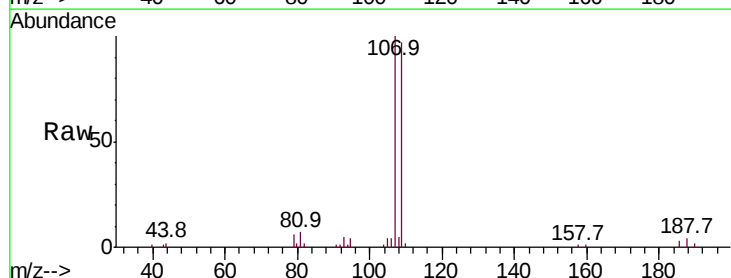
Acq: 29 May 2019 9:24

Tgt Ion:107 Resp: 72111

Ion Ratio Lower Upper

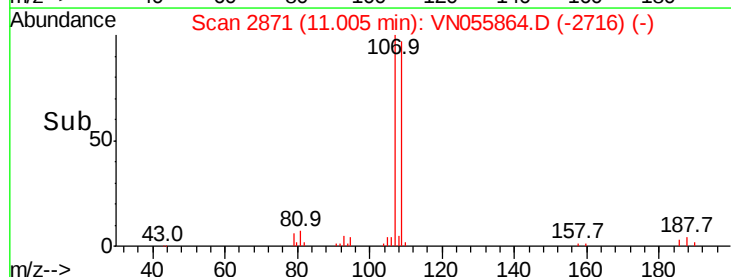
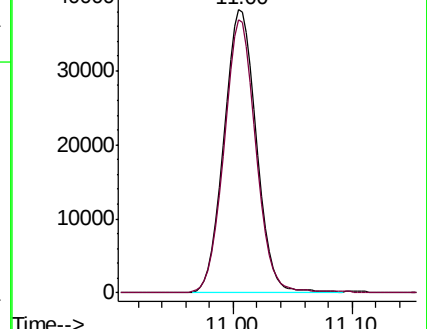
107 100

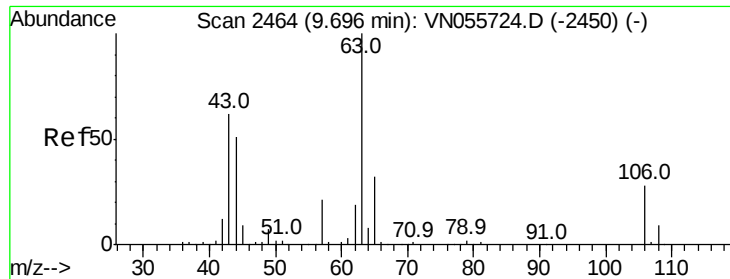
109 94.4 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





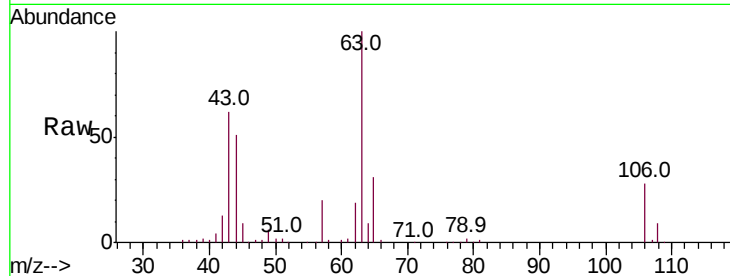
#55
2-Chloroethyl vinyl ether
Concen: 87.379 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.0
106	28.1	22.1	33.1

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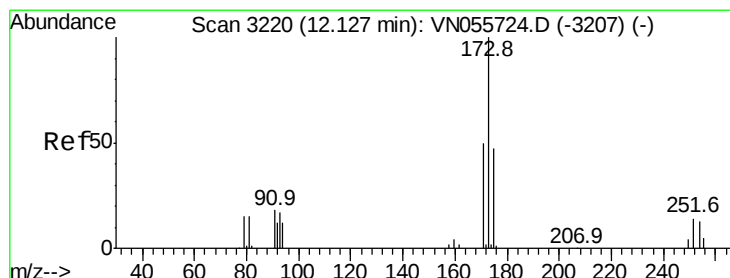
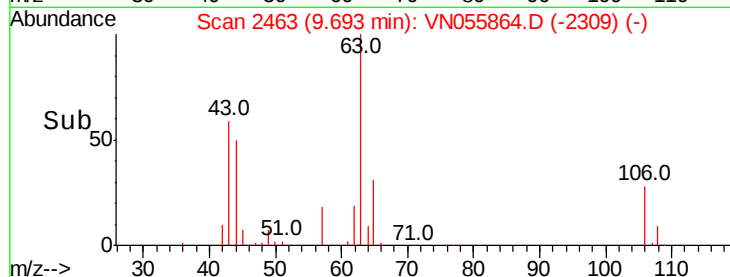
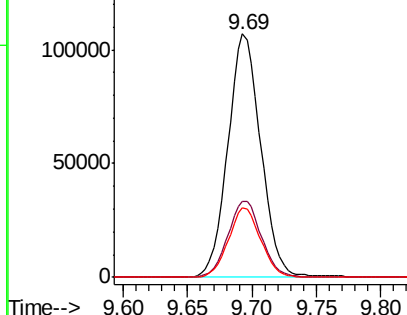


Abundance

Ion 63.00 (62.70 to 63.70): VN055864.D (-2309) (-)

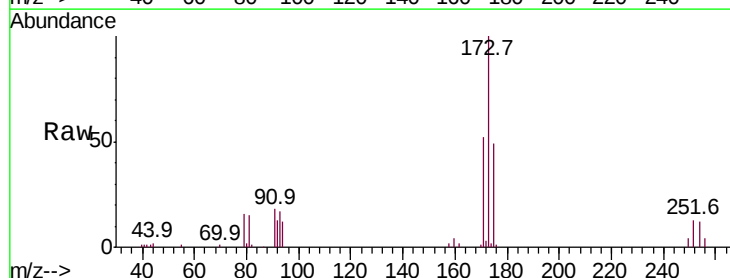
Ion 65.00 (64.70 to 65.70): VN055864.D (-2309) (-)

Ion 106.00 (105.70 to 106.70): VN055864.D (-2309) (-)



#56
Bromoform
Concen: 16.716 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.5	57.7
254	3.7	9.4	14.0

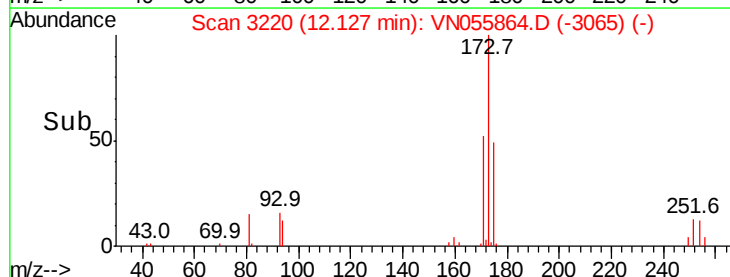
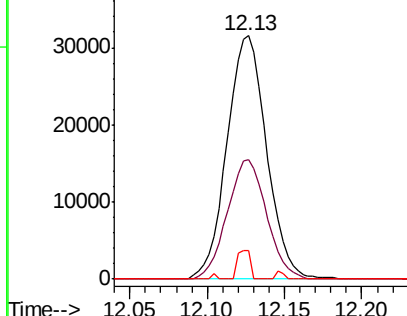


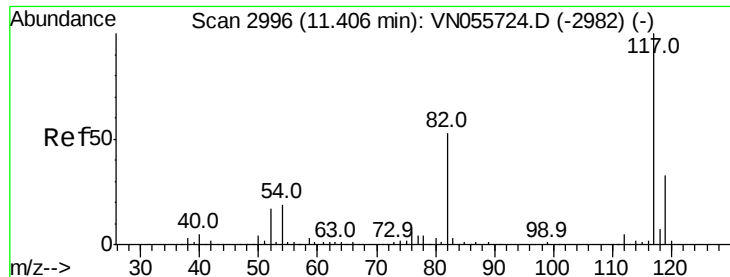
Abundance

Ion 173.00 (172.70 to 173.70): VN055864.D (-3065) (-)

Ion 175.00 (174.70 to 175.70): VN055864.D (-3065) (-)

Ion 254.00 (253.70 to 254.70): VN055864.D (-3065) (-)





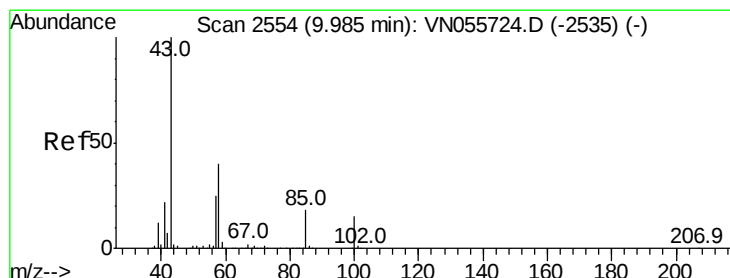
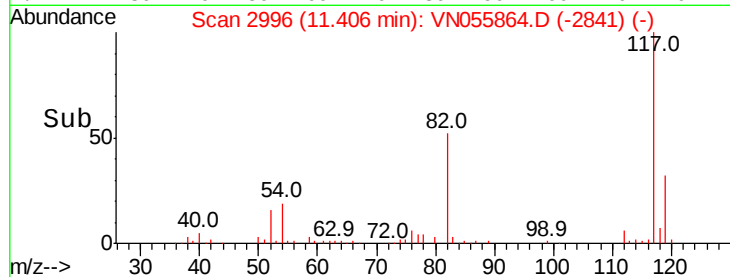
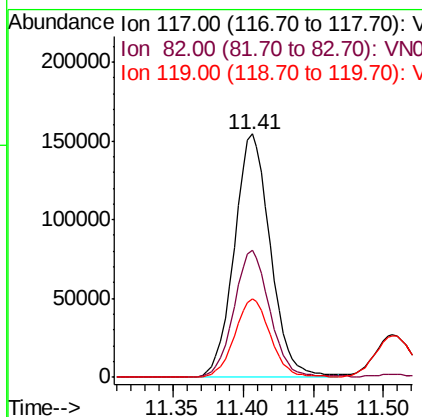
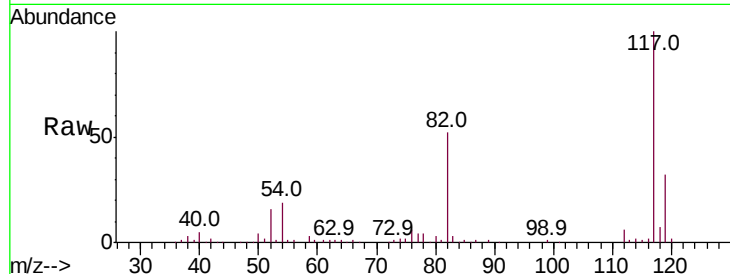
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.6	64.0
119	31.9	25.9	38.9

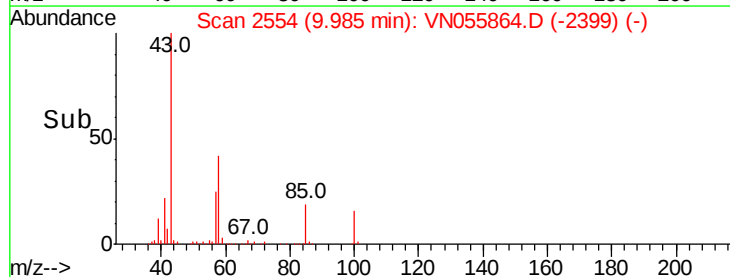
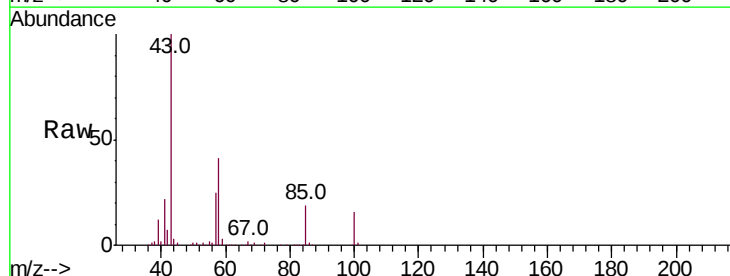
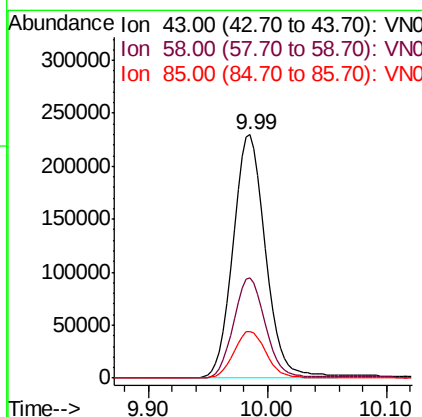
Manual Integrations
APPROVED

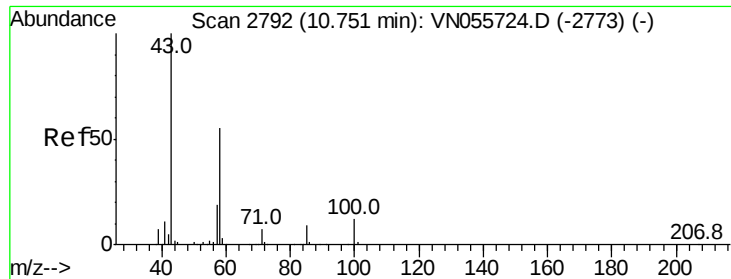
MMDadoda
5/30/2019 9:34:50 AM



#58
4-Methyl-2-Pentanone
Concen: 94.402 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.7	47.5
85	19.4	14.5	21.7





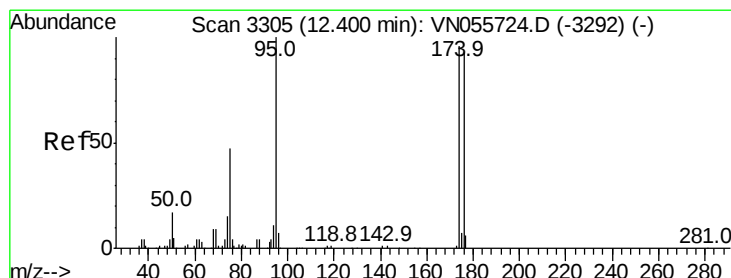
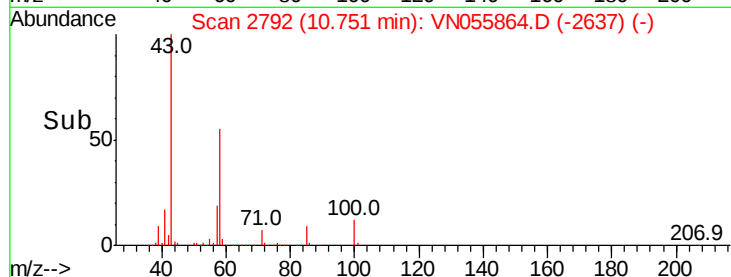
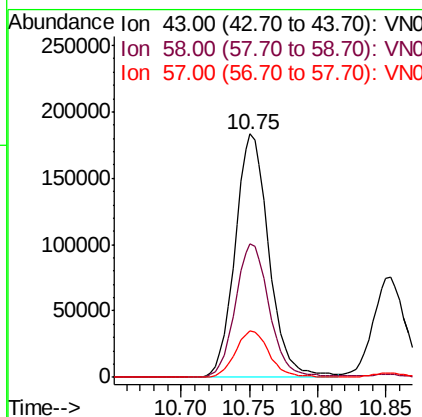
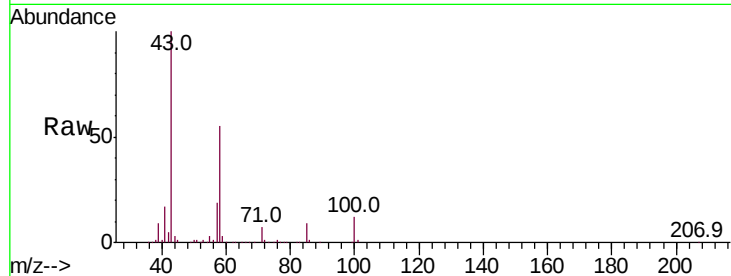
#59
2-Hexanone
Concen: 95.590 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	44.8	67.2
57	19.3	15.3	22.9

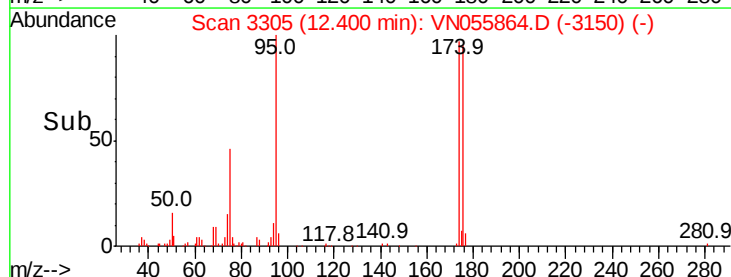
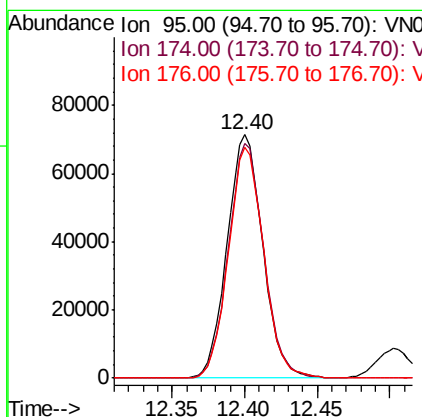
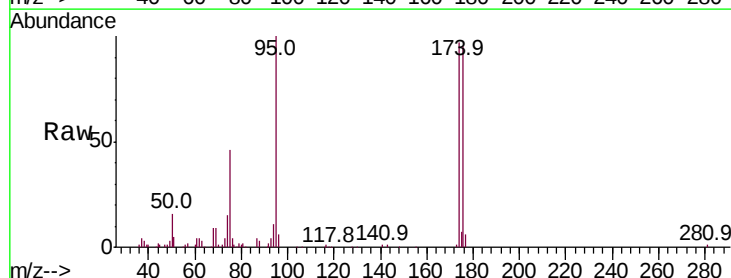
Manual Integrations
APPROVED

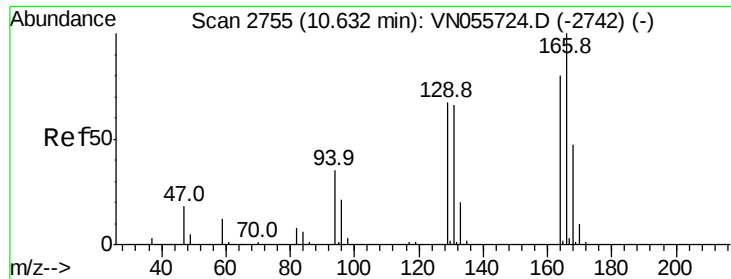
MMDadoda
5/30/2019 9:34:50 AM



#60
4-Bromofluorobenzene
Concen: 28.221 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.6	75.7	113.5
176	93.4	74.1	111.1





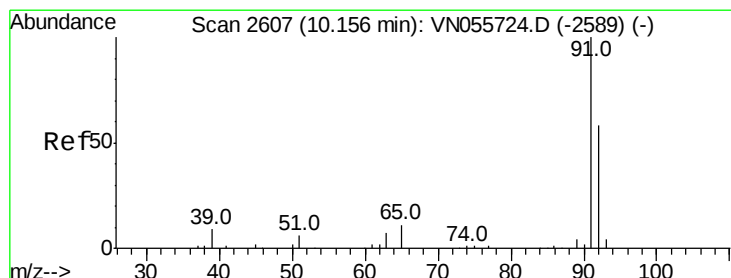
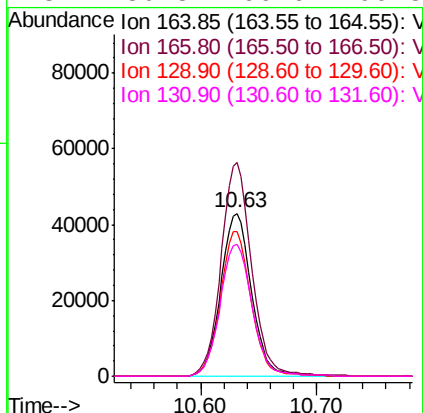
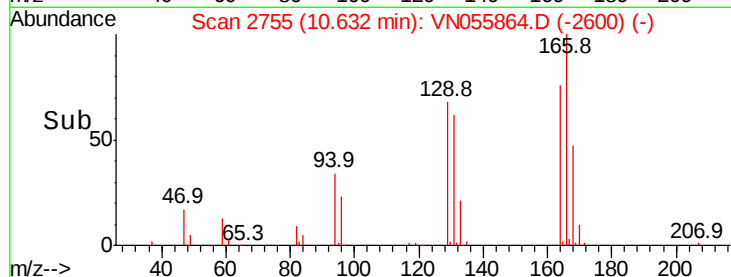
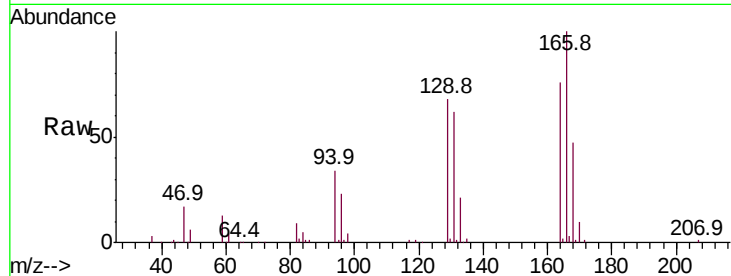
#61
Tetrachloroethene
Concen: 21.044 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.5	100.6	150.8
129	89.0	67.4	101.2
131	80.8	66.6	99.8

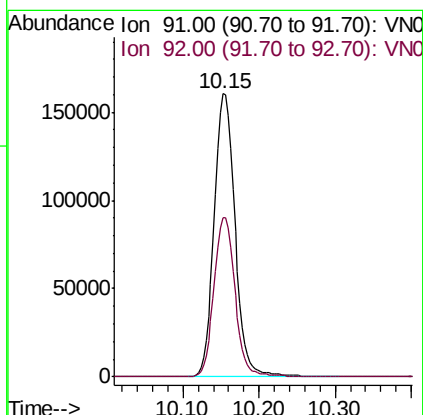
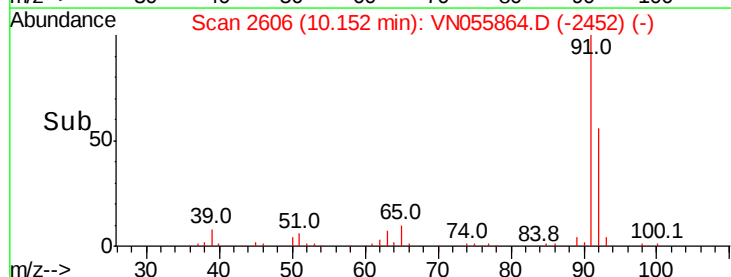
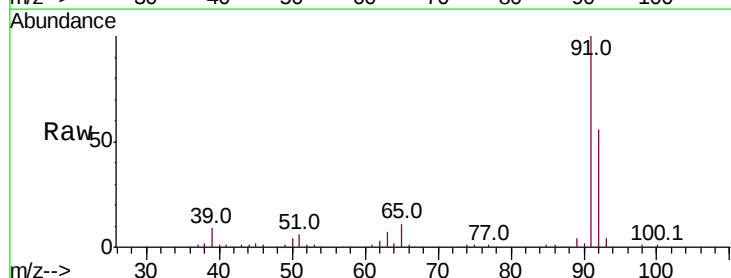
Manual Integrations
APPROVED

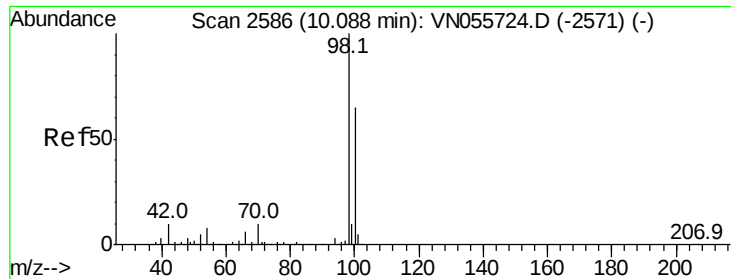
MMDadoda
5/30/2019 9:34:50 AM



#62
Toluene
Concen: 20.591 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.6	68.4





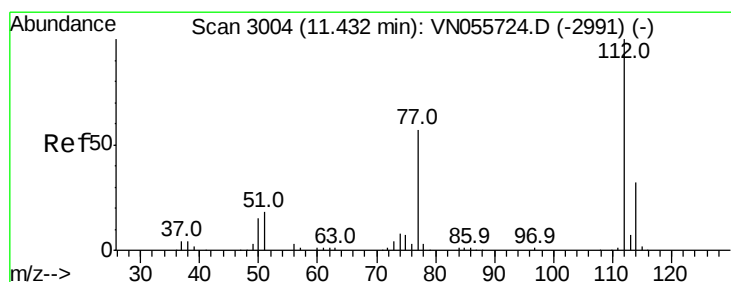
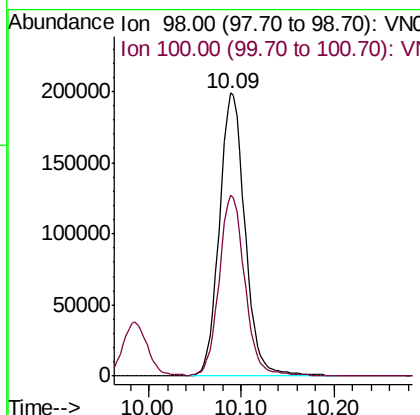
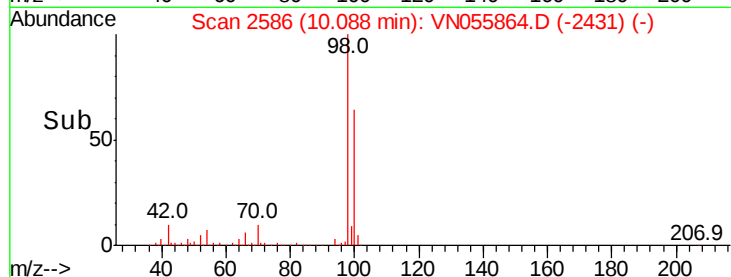
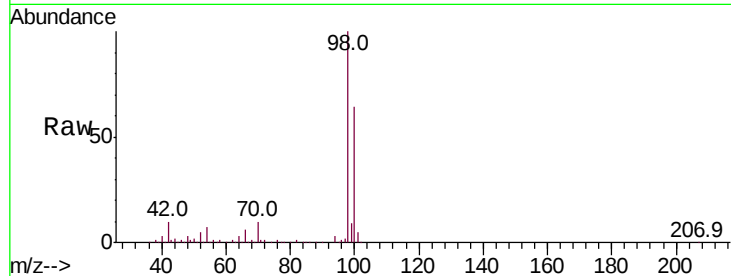
#63
Toluene-d8
Concen: 30.155 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 98 Resp: 382140
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4

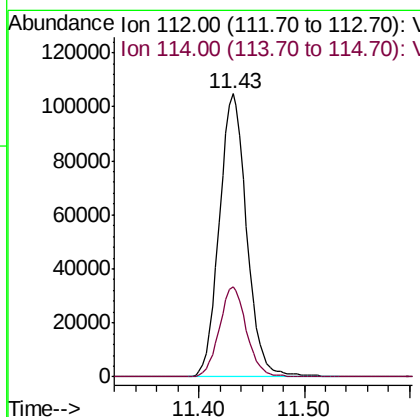
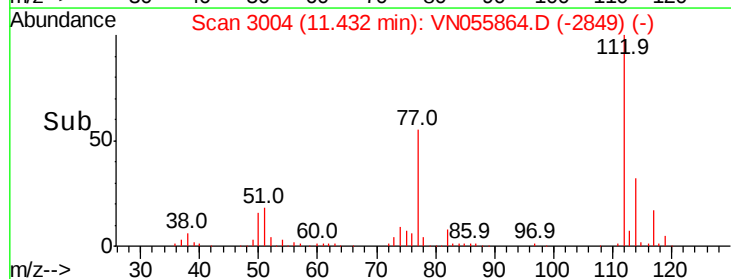
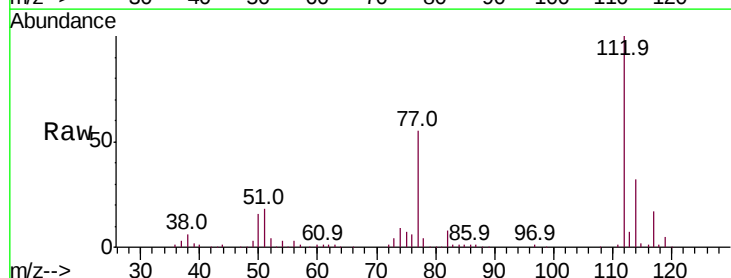
Manual Integrations
APPROVED

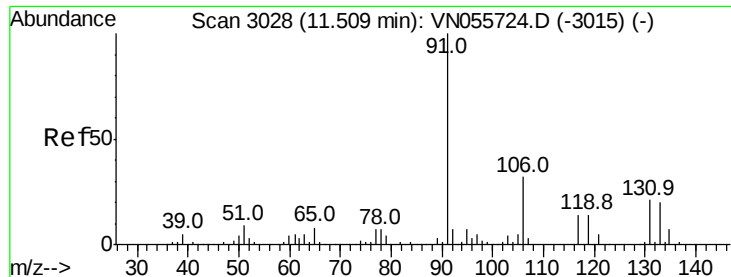
MMDadoda
5/30/2019 9:34:50 AM



#64
Chlorobenzene
Concen: 20.810 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 112 Resp: 188248
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.333 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

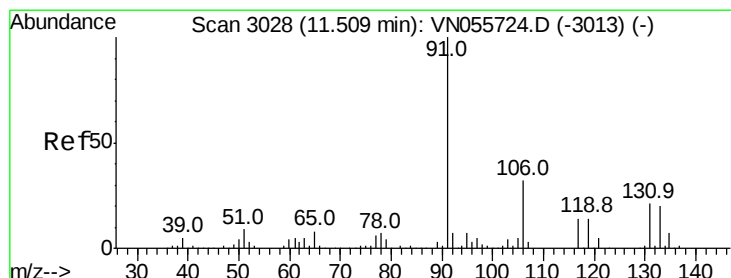
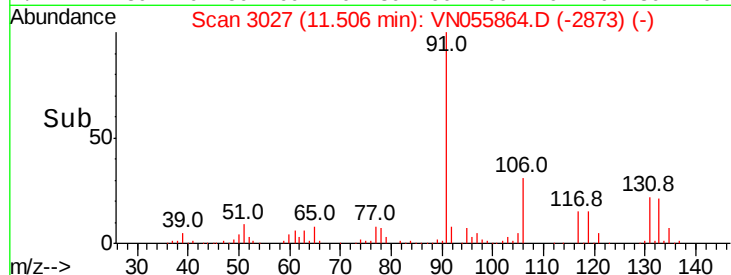
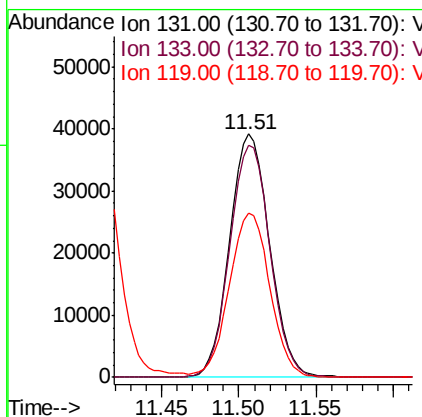
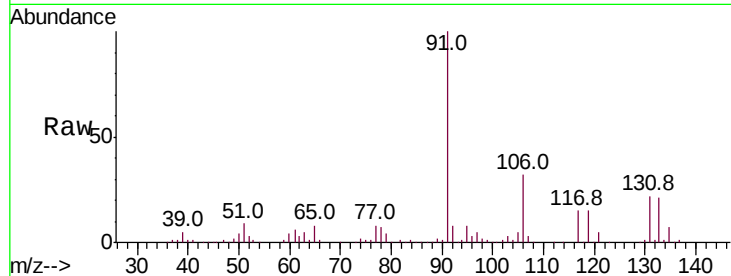
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	70462
Ion Ratio	Lower	Upper	
131	100		
133	95.8	0.0	188.8
119	68.4	0.0	133.6

Manual Integrations
APPROVED

MMDadoda
5/30/2019 9:34:50 AM



#66

Ethyl Benzene

Concen: 20.089 ug/l

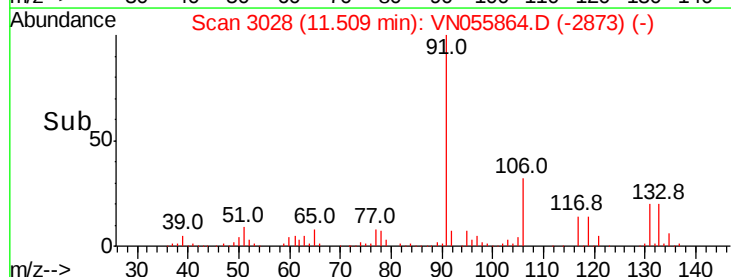
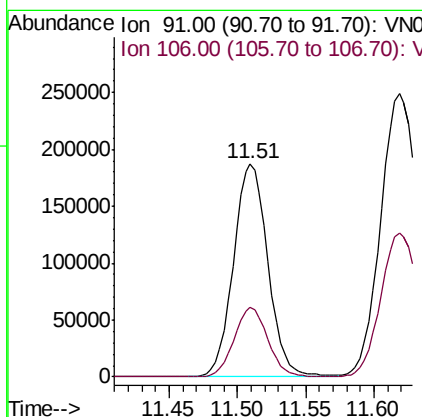
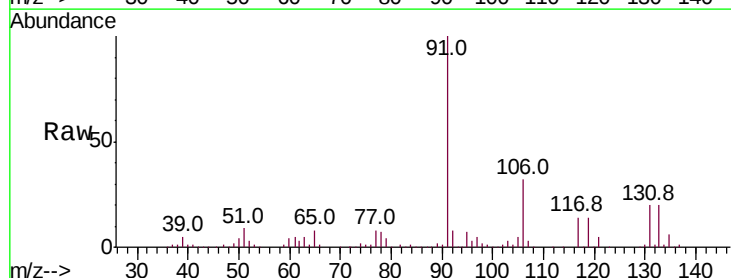
RT: 11.51 min Scan# 3028

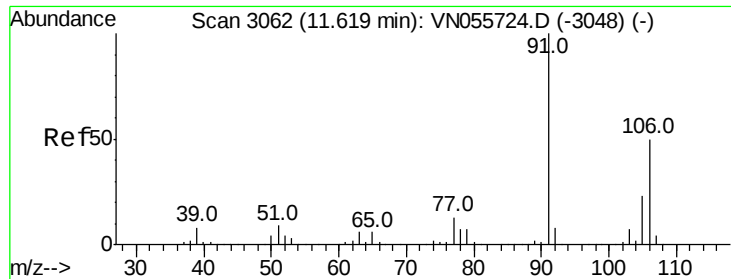
Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Tgt Ion:	91	Resp:	327322
Ion Ratio	Lower	Upper	
91	100		
106	32.5	25.6	38.4





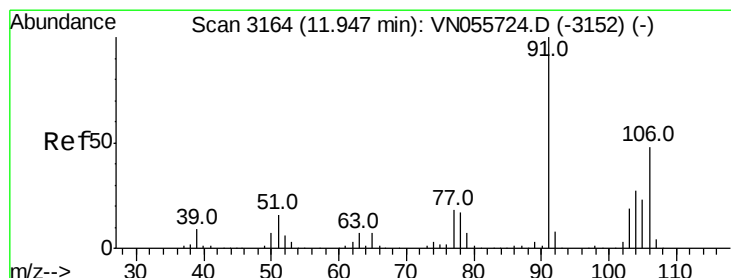
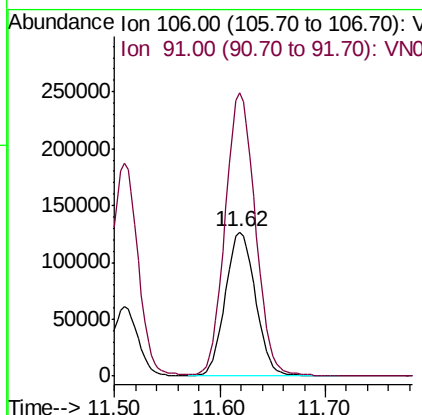
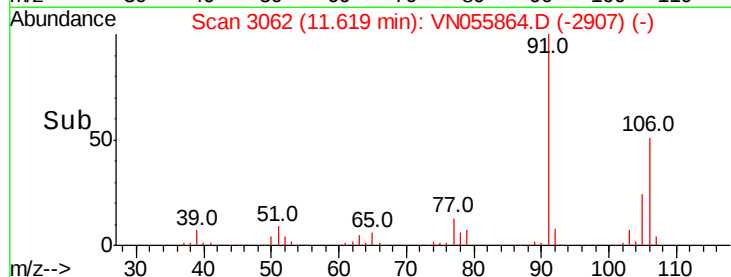
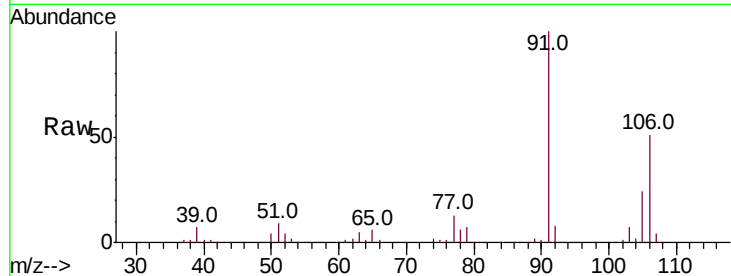
#67
m/p-Xvlenes
Concen: 40.709 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:106 Resp: 251970
Ion Ratio Lower Upper
106 100
91 196.1 159.5 239.3

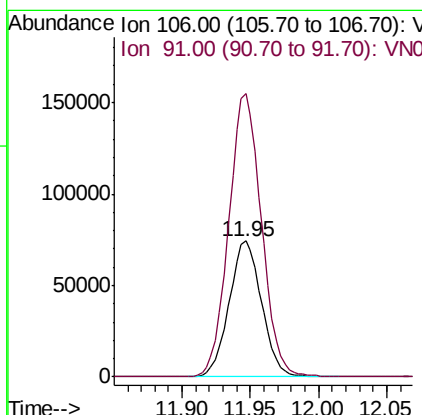
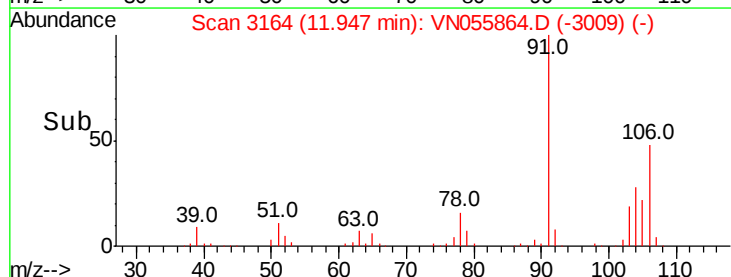
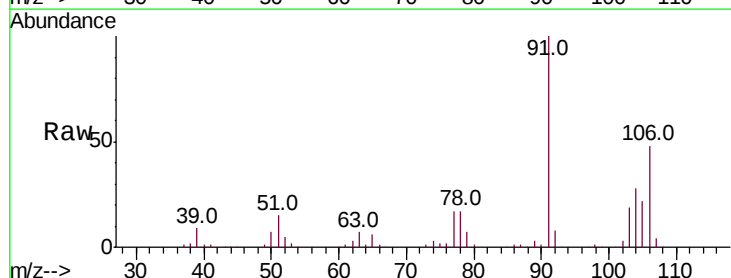
Manual Integrations
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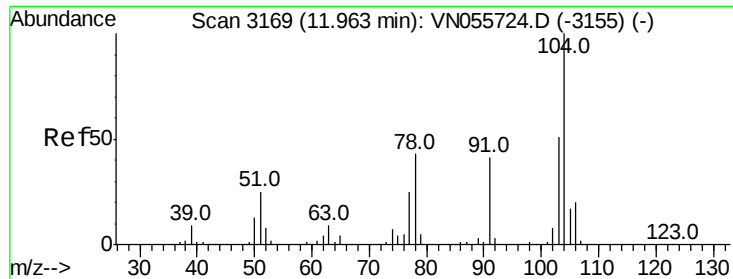
MMDadoda
5/30/2019 9:34:50 AM



#68
o-Xylene
Concen: 20.124 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion:106 Resp: 123257
Ion Ratio Lower Upper
106 100
91 209.7 105.4 316.1





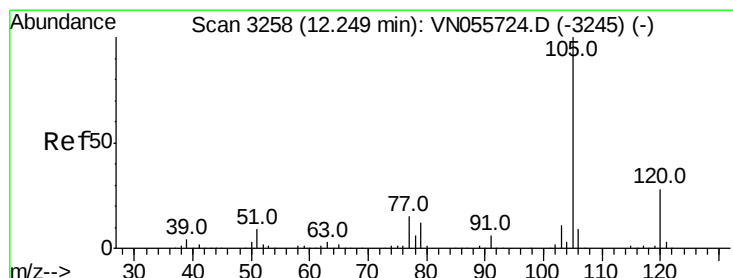
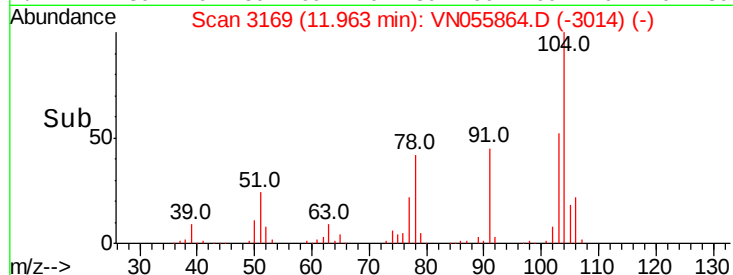
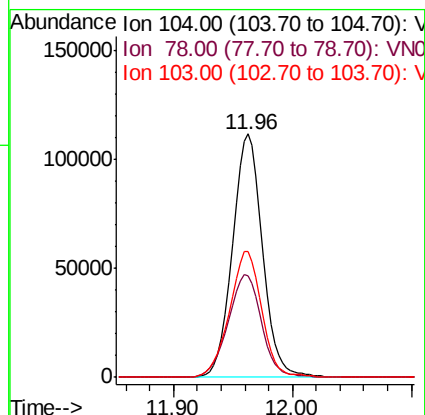
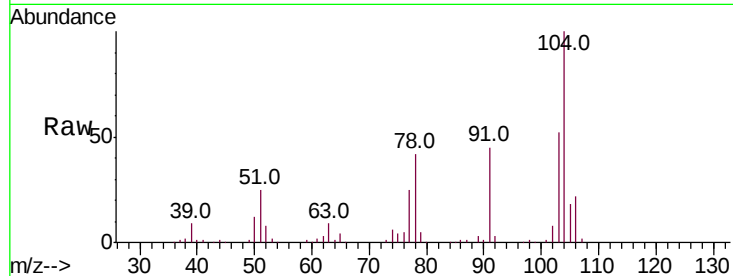
#69
Stvrene
Concen: 19.308 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		195114		
78	47.0	38.7	58.1		
103	55.6	45.0	67.6		

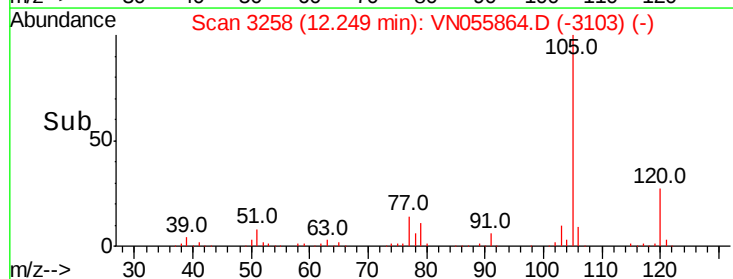
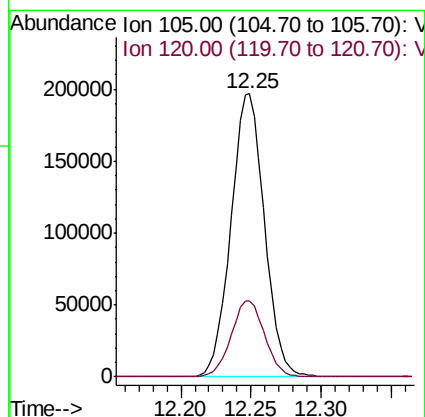
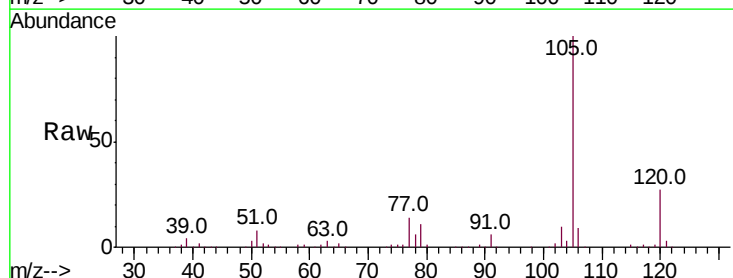
Manual Integrations
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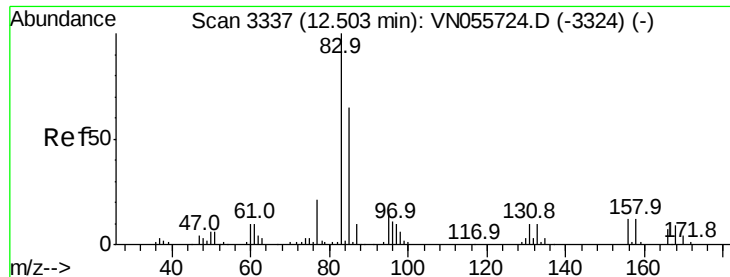
MMDadoda
5/30/2019 9:34:50 AM



#70
Isopropylbenzene
Concen: 20.411 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		327099		
120	27.0	19.2	35.6		





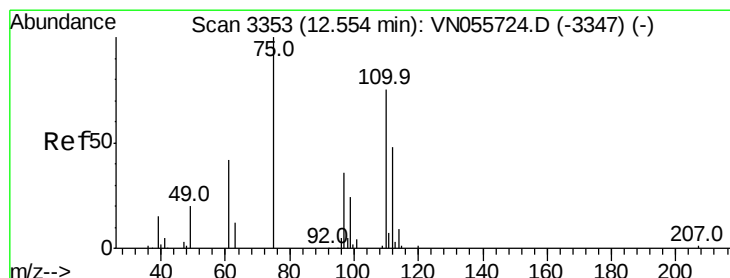
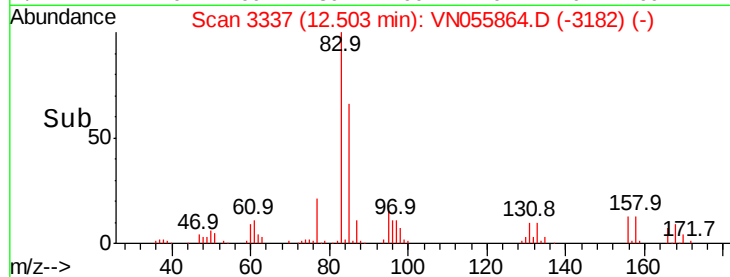
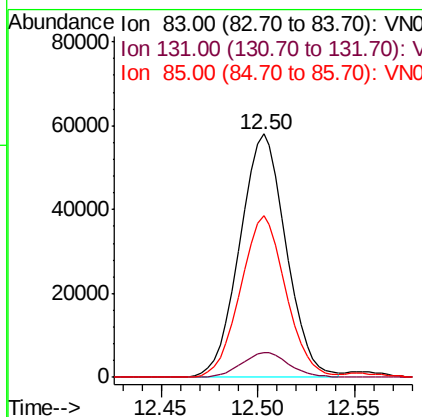
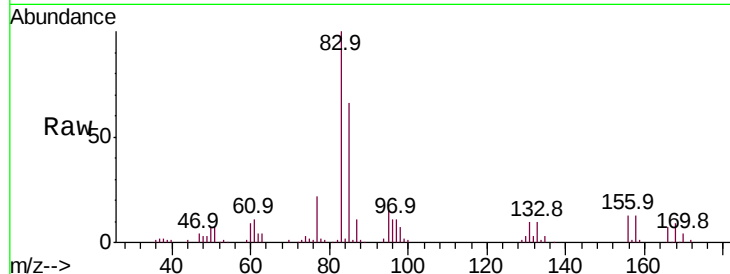
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.598 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	96656
Ion Ratio	100	Lower	Upper
131	10.4	5.3	15.8
85	64.9	32.3	96.9

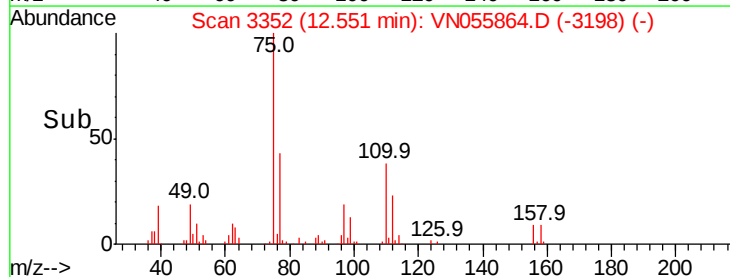
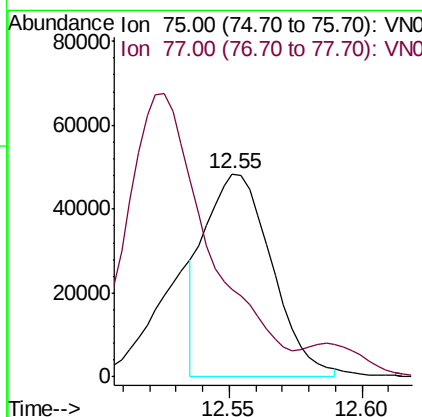
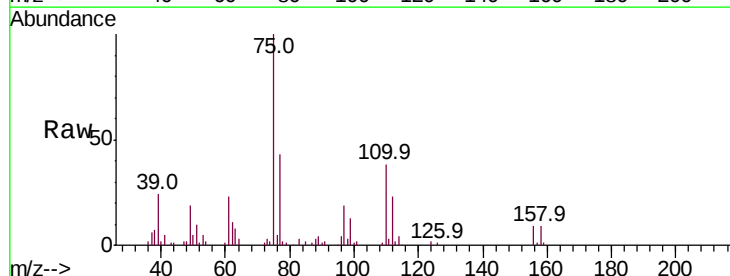
Manual Integrations
 APPROVED

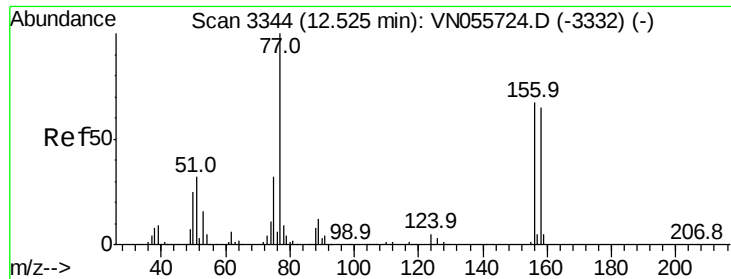
MMDadoda
 5/30/2019 9:34:50 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.910 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion	75	Resp	84514
Ion Ratio	100	Lower	Upper
77	173.4	0.0	349.8





#73

Bromobenzene

Concen: 19.532 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

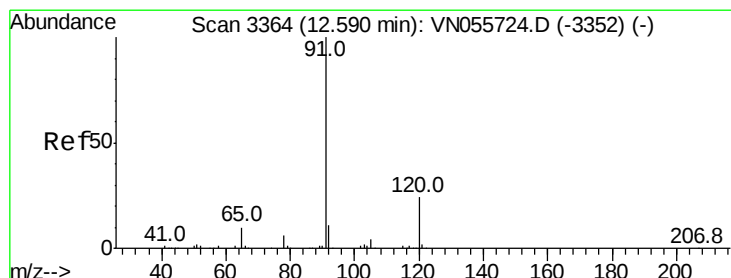
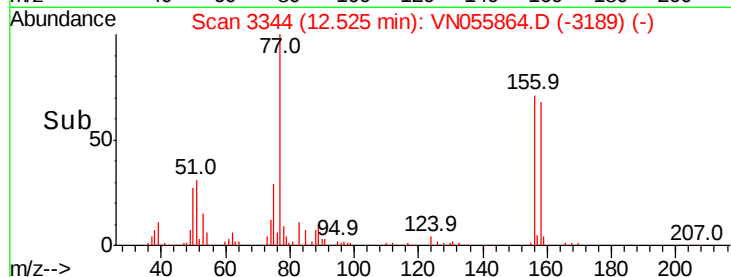
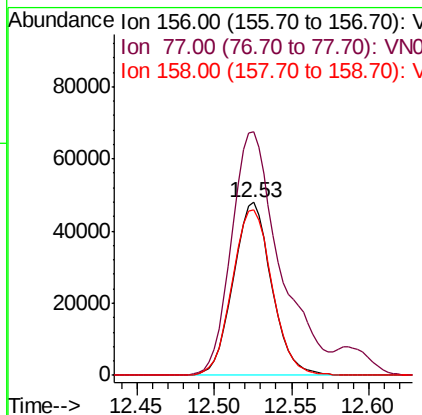
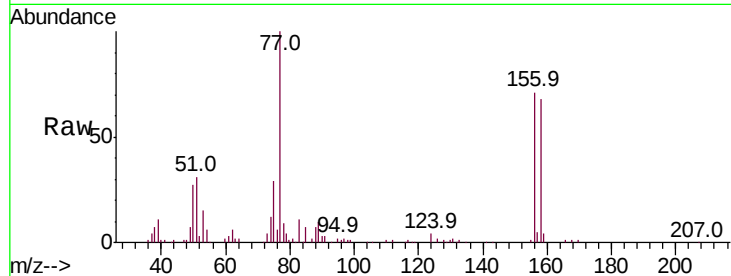
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	82809
Ion Ratio	Lower	Upper	
156	100		
77	177.0	0.0	368.0
158	99.4	0.0	195.0

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#74

n-propylbenzene

Concen: 19.541 ug/l

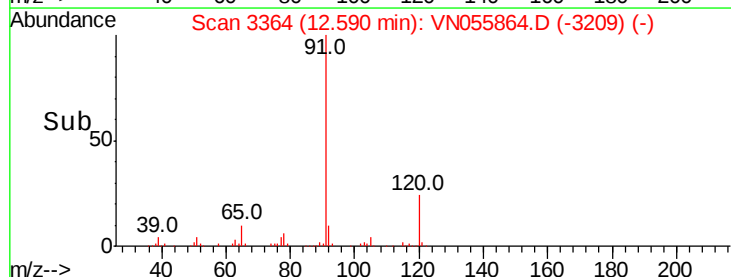
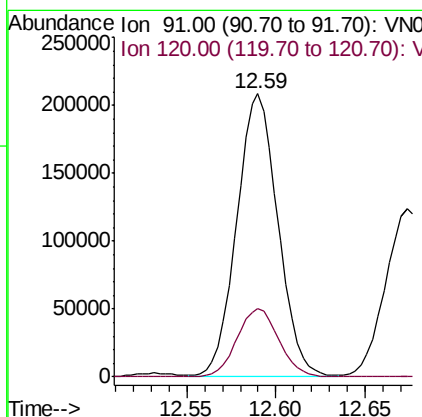
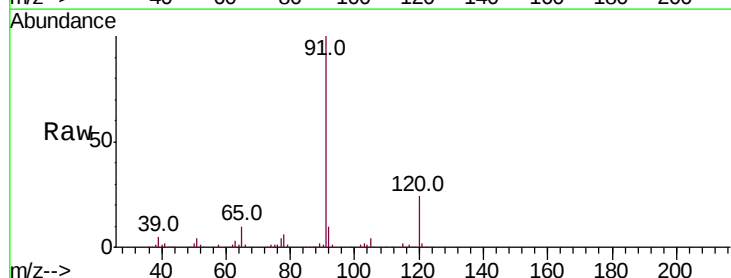
RT: 12.59 min Scan# 3364

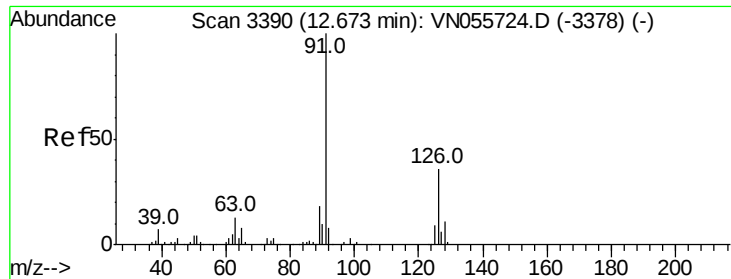
Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Tgt Ion:	91	Resp:	337738
Ion Ratio	Lower	Upper	
91	100		
120	24.4	0.0	47.4





#75

2-Chlorotoluene

Concen: 19.926 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 210373

Ion Ratio Lower Upper

91 100

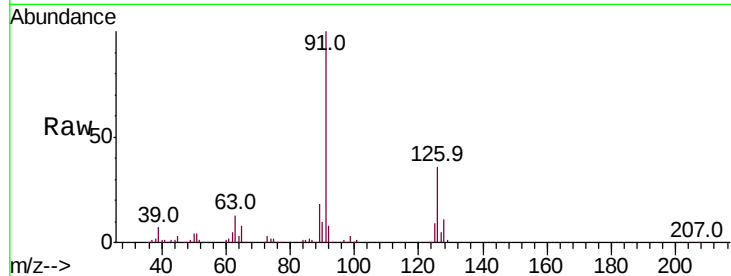
126 35.9 0.0 71.0

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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) (-)

200000

150000

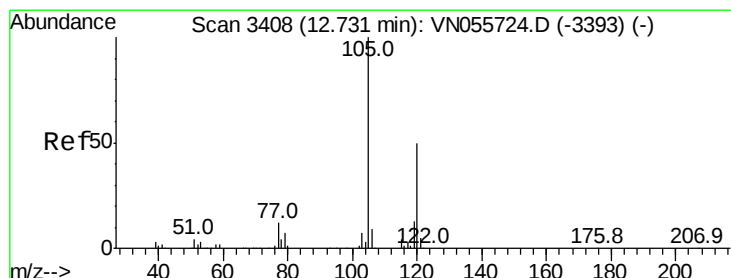
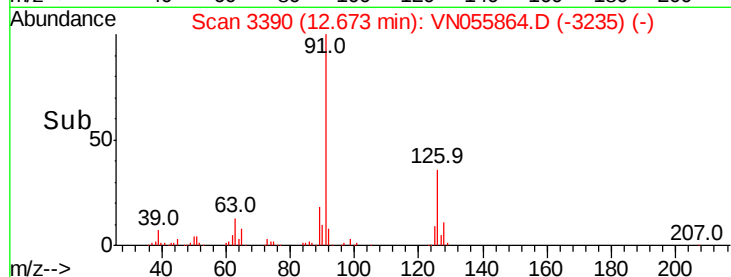
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.878 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055864.D

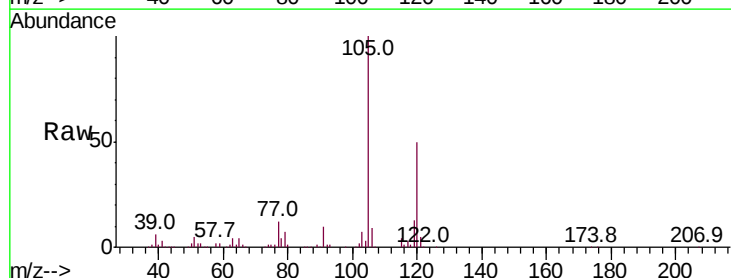
Acq: 29 May 2019 9:24

Tgt Ion: 105 Resp: 263309

Ion Ratio Lower Upper

105 100

120 50.2 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

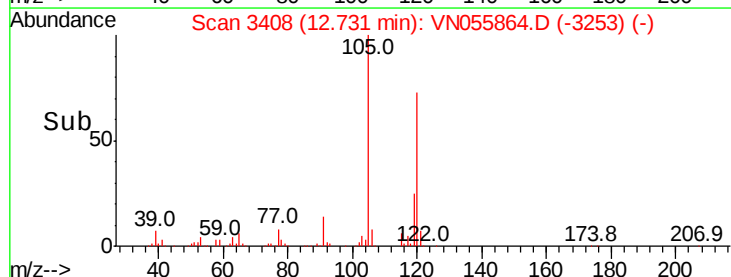
100000

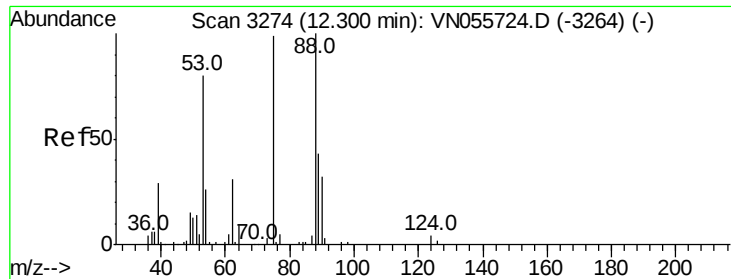
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 15.325 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

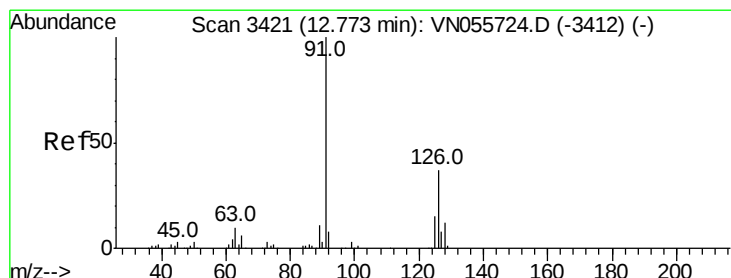
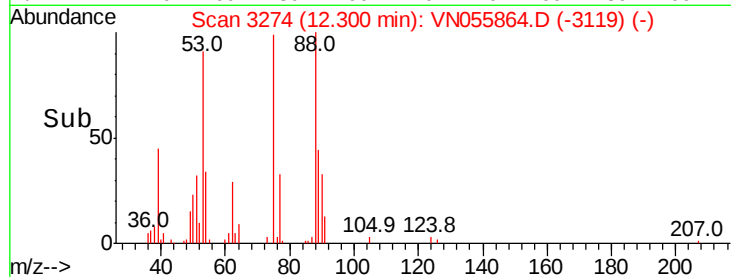
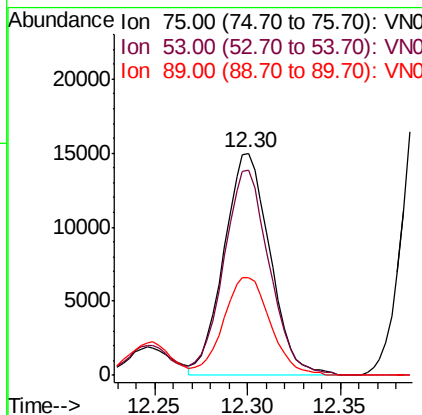
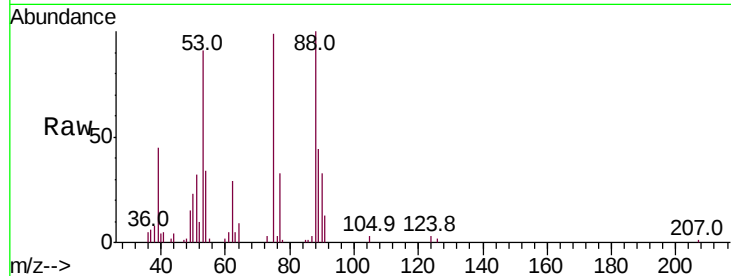
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	25839
Ion	Ratio	Lower	Upper
75	100		
53	92.3	40.1	120.3
89	44.2	22.6	67.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.215 ug/l

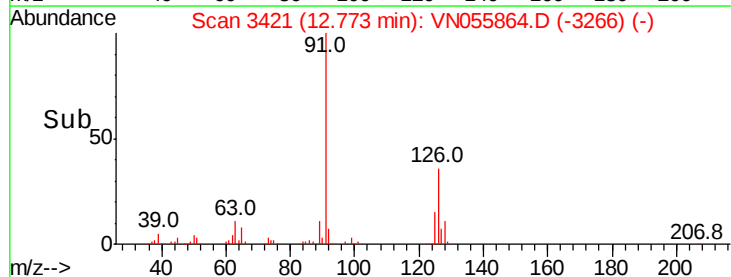
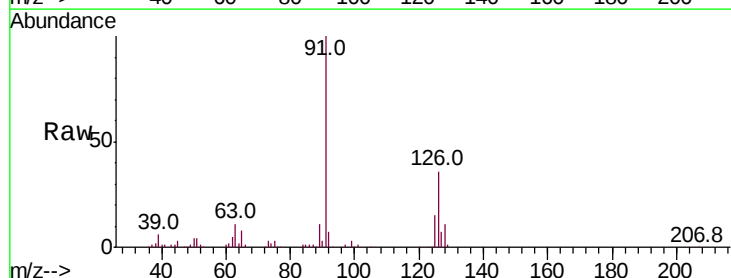
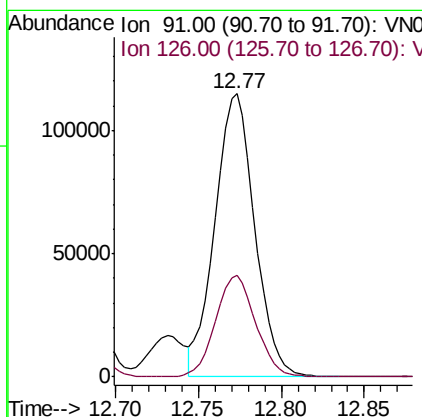
RT: 12.77 min Scan# 3421

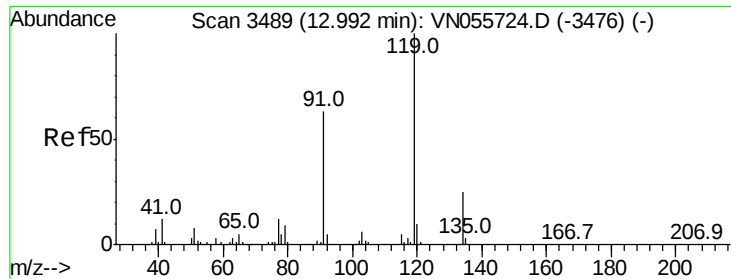
Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Tgt Ion:	91	Resp:	192269
Ion	Ratio	Lower	Upper
91	100		
126	36.0	0.0	69.0





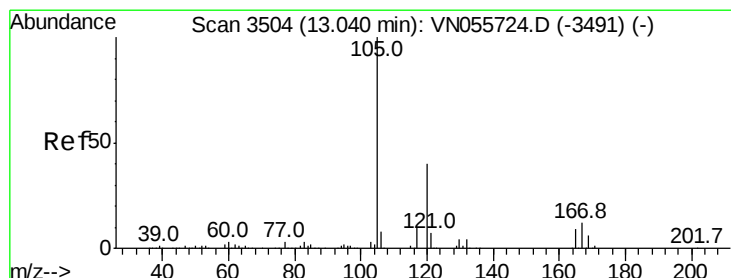
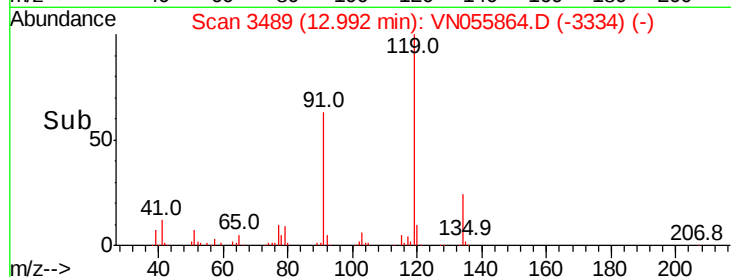
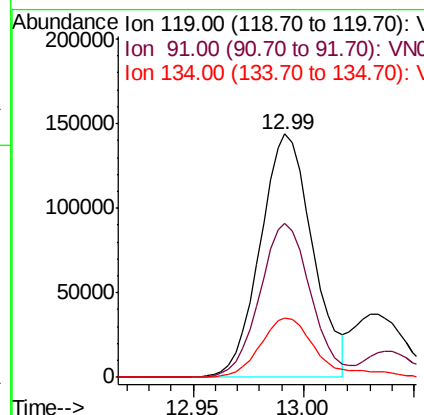
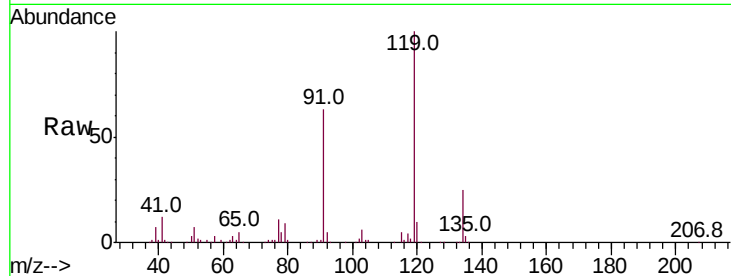
#79
tert-butylbenzene
Concen: 20.321 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	236650		
91	61.5	0.0	123.8	
134	26.4	0.0	52.6	

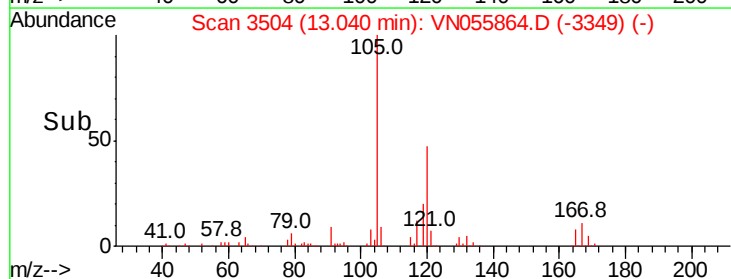
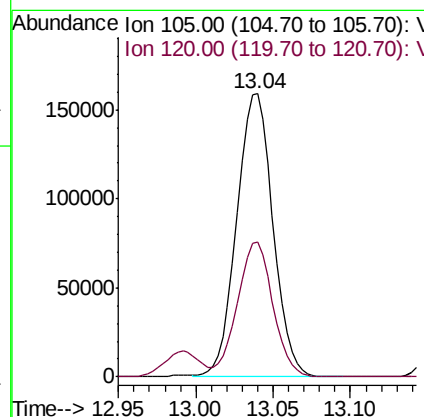
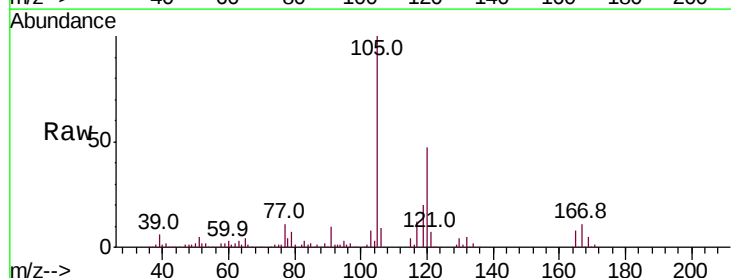
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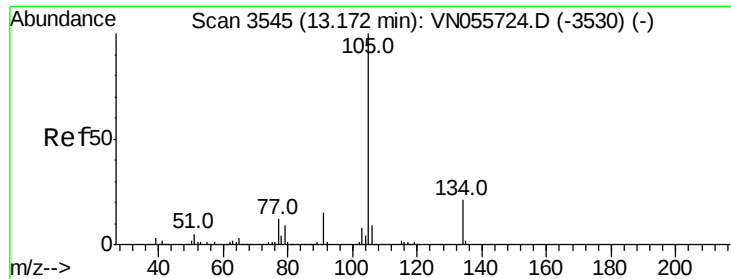
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#80
1,2,4-Trimethylbenzene
Concen: 19.665 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258593		
120	47.0	0.0	93.6	





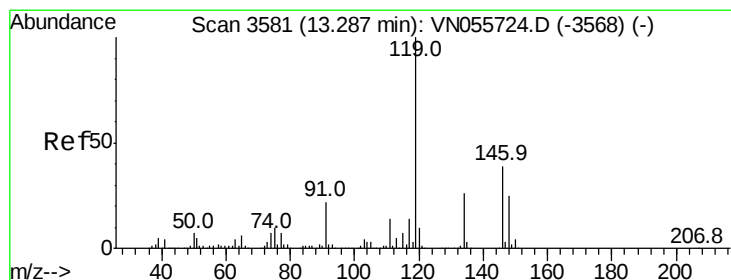
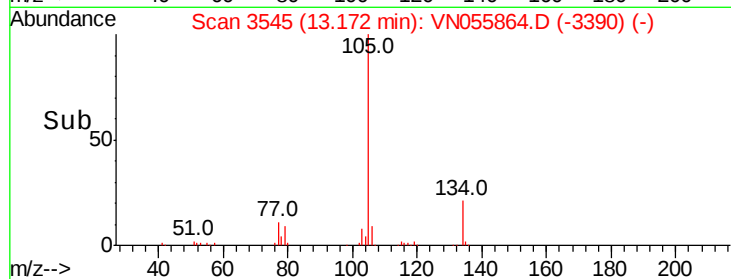
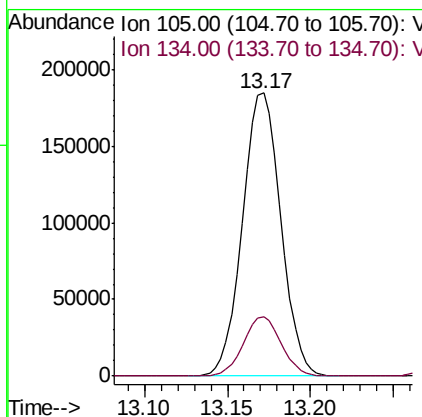
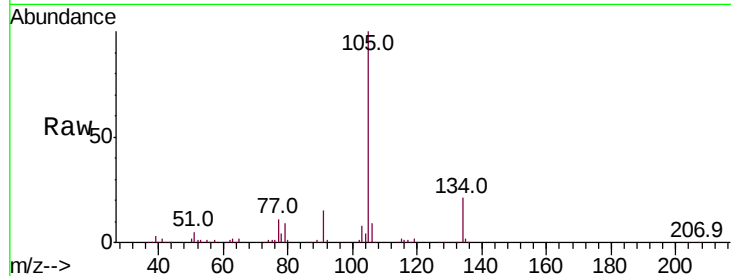
#81
sec-Butylbenzene
Concen: 20.071 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	296977		
134	20.8	0.0	41.4	

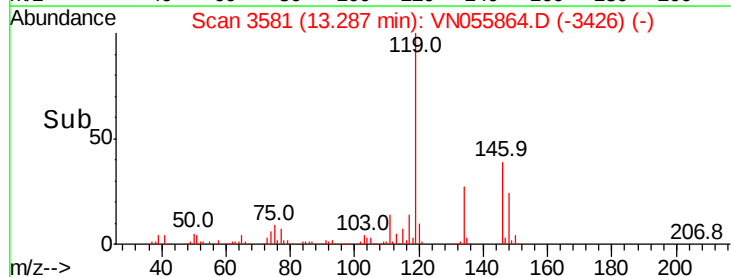
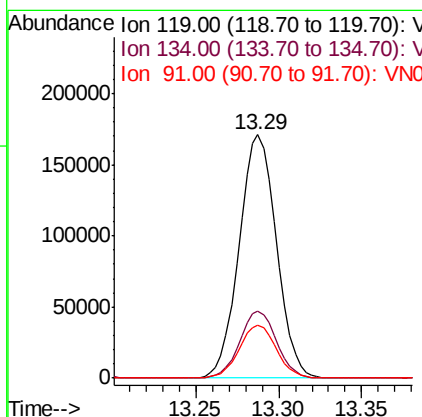
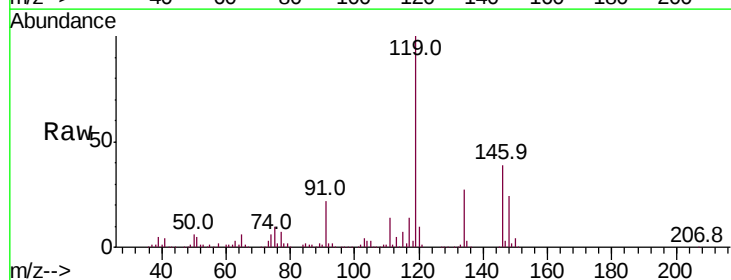
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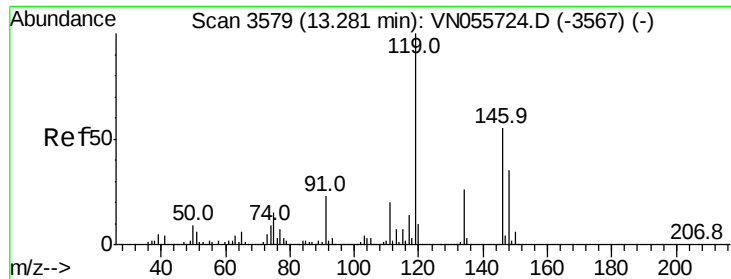
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#82
p-Isopropyltoluene
Concen: 19.656 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	267653		
134	27.0	0.0	52.0	
91	21.6	0.0	44.4	





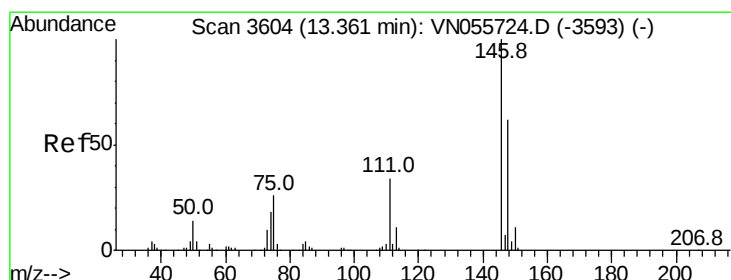
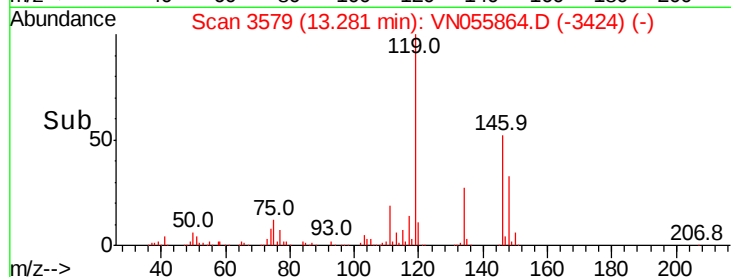
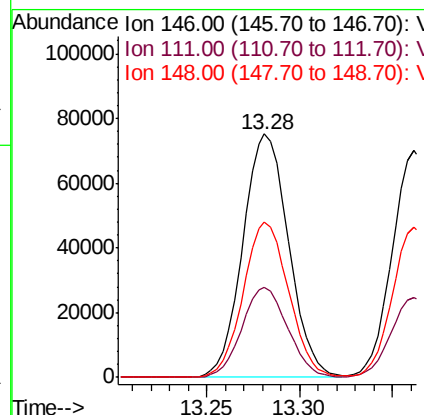
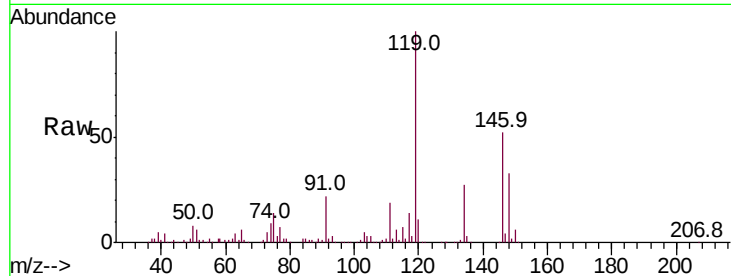
#83
 1,3-Dichlorobenzene
 Concen: 19.388 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	128851		
111	36.8	18.6	55.6	
148	63.3	32.2	96.6	

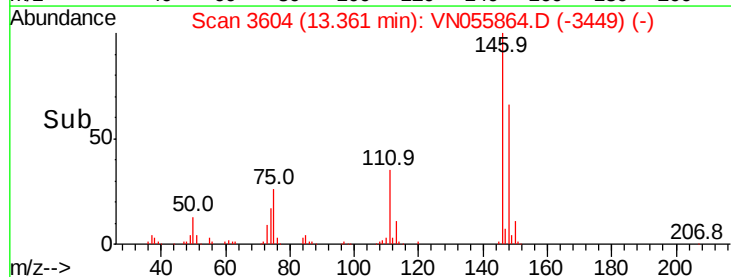
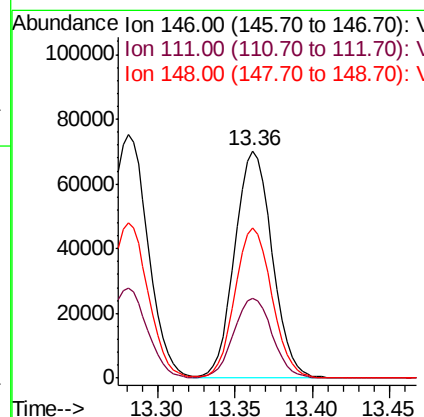
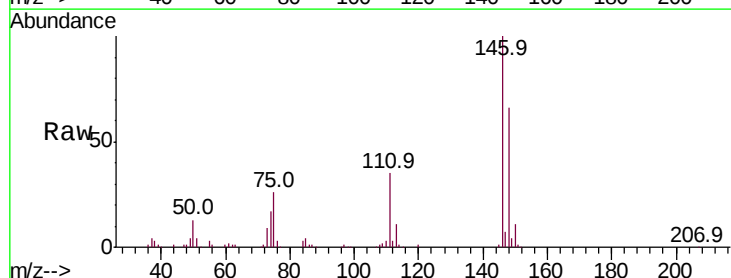
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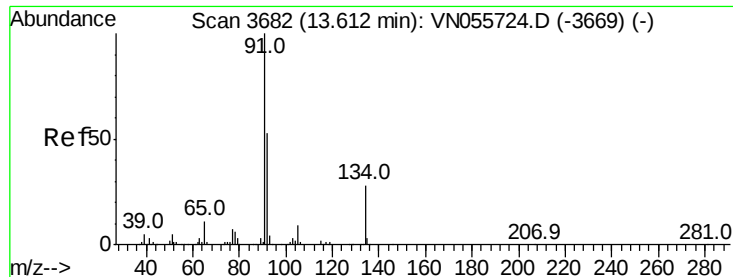
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#84
 1,4-Dichlorobenzene
 Concen: 18.706 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118394		
111	35.9	17.5	52.6	
148	65.3	31.8	95.4	





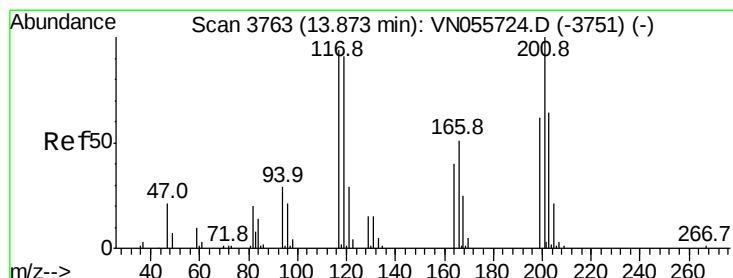
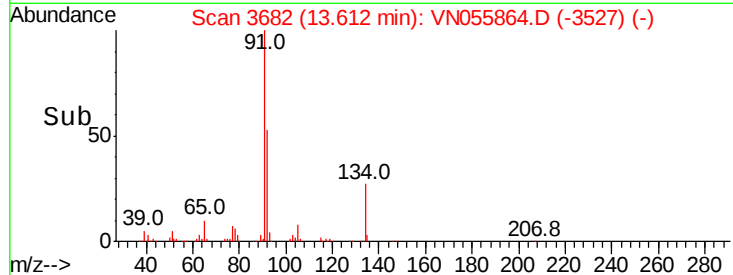
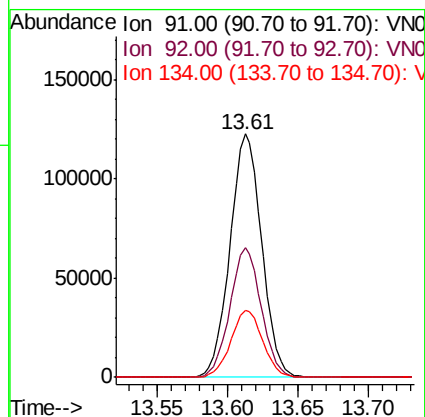
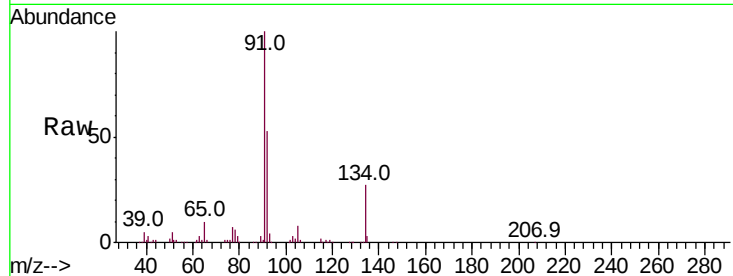
#85
n-Butylbenzene
Concen: 18.191 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	91	Resp:	192708
Ion Ratio	Lower	Upper	
91	100		
92	52.5	0.0	106.8
134	27.6	0.0	55.2

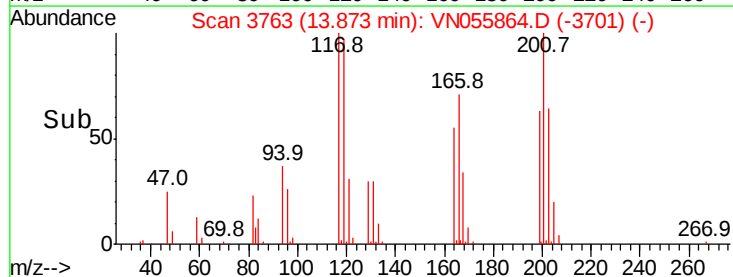
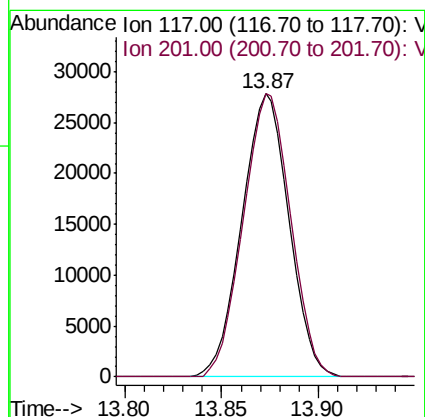
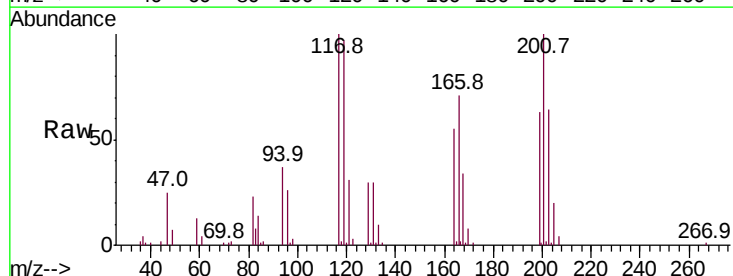
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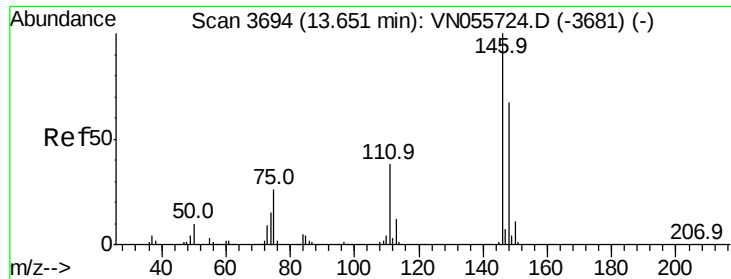
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#86
Hexachloroethane
Concen: 17.623 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion:	117	Resp:	47200
Ion Ratio	Lower	Upper	
117	100		
201	100.2	52.5	157.6





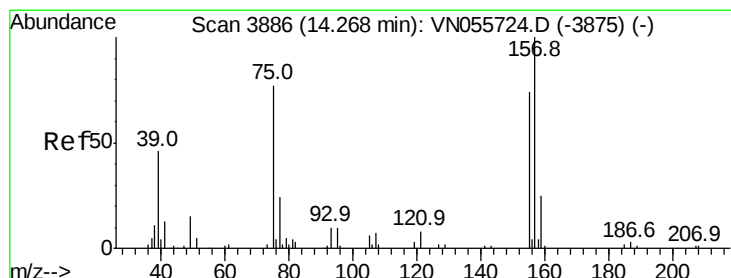
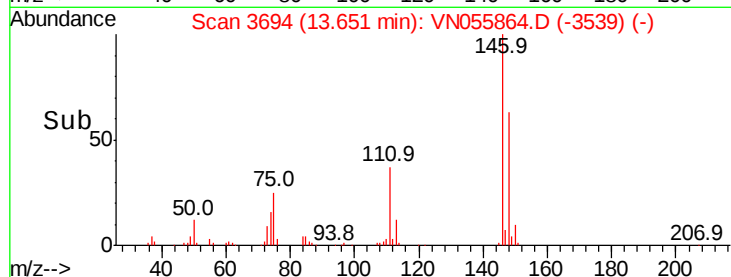
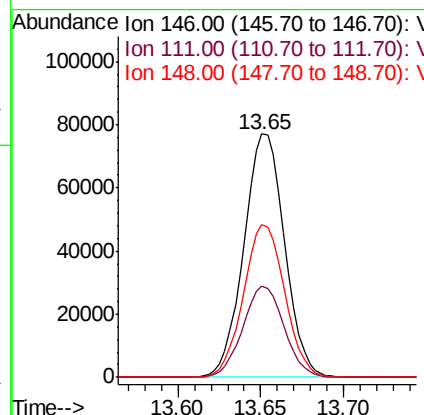
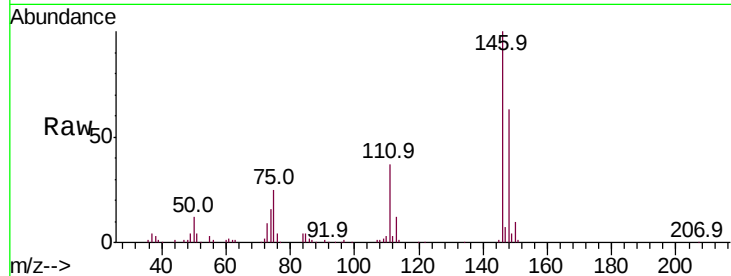
#87
 1,2-Dichlorobenzene
 Concen: 19.731 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.2	57.6
148	63.5	32.7	98.1

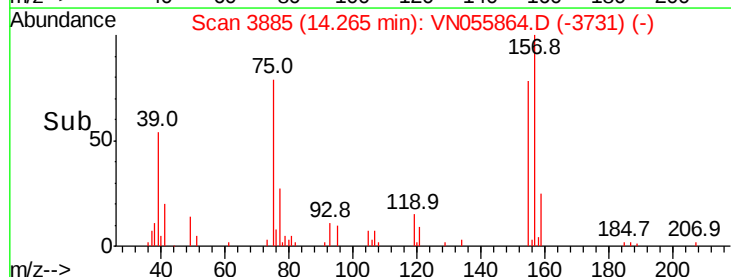
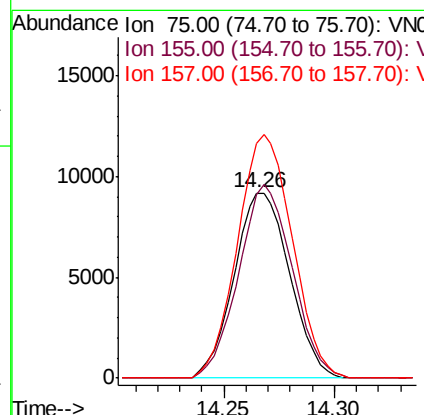
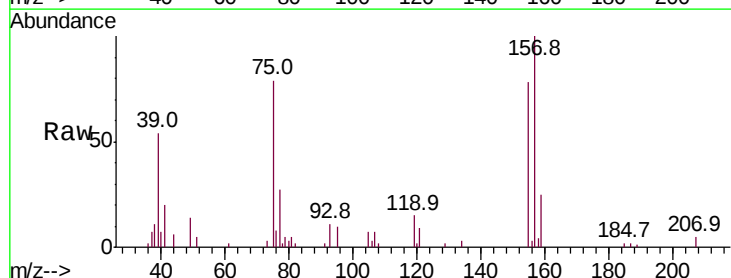
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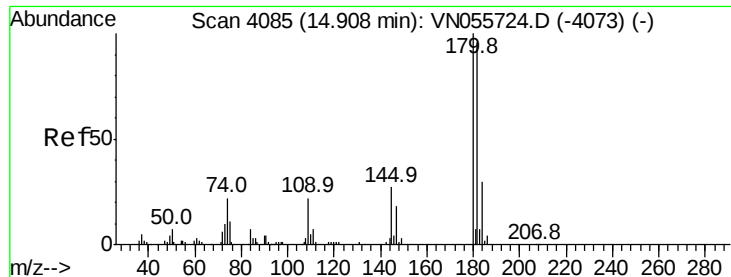
MMDadoda
 5/30/2019 9:34:50 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.147 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	78.4	117.6
157	129.9	105.0	157.4





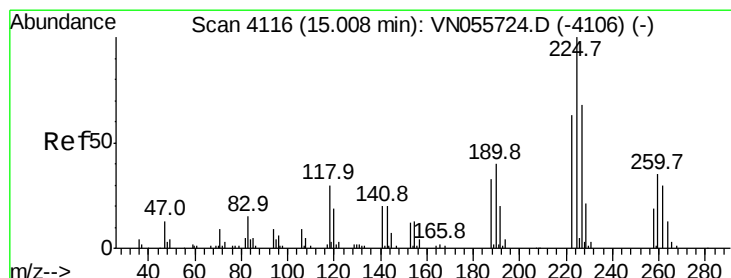
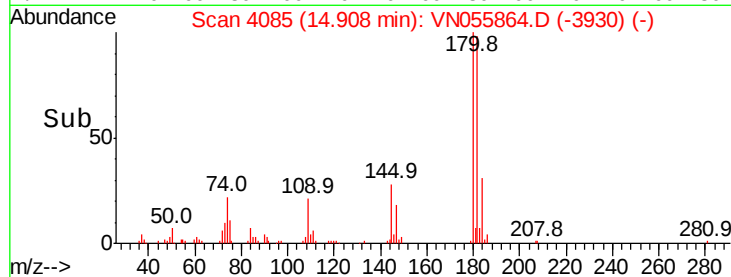
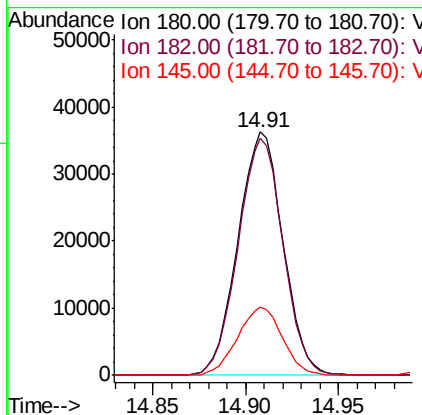
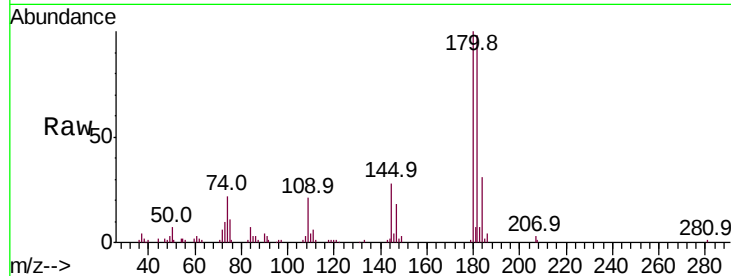
#89
 1,2,4-Trichlorobenzene
 Concen: 16.913 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61096		
182	97.1	76.1	114.1	
145	27.8	21.8	32.8	

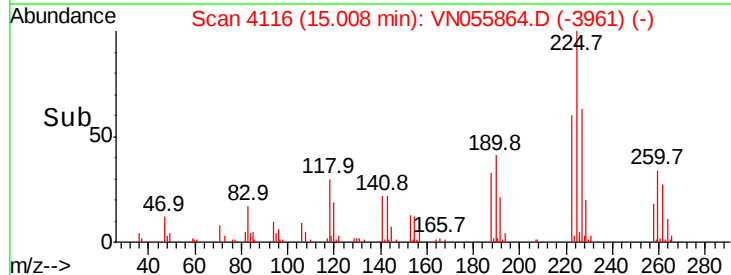
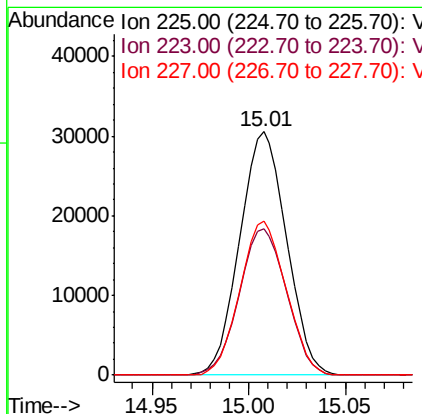
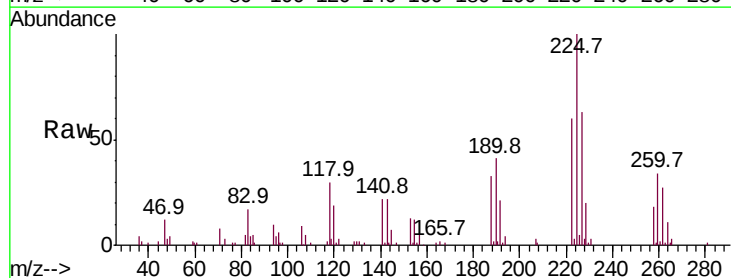
Manual Integrations
 APPROVED

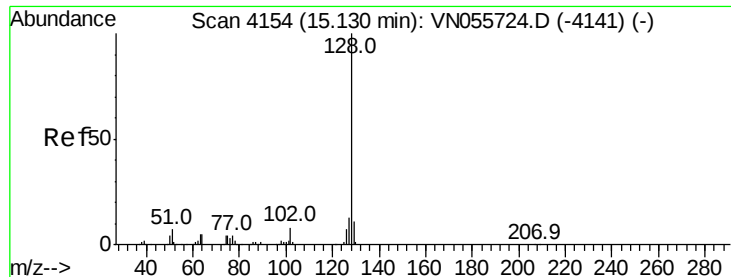
MMDadoda
 5/30/2019 9:34:50 AM



#90
 Hexachlorobutadiene
 Concen: 19.106 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51497		
223	60.8	0.0	126.0	
227	62.1	0.0	133.0	





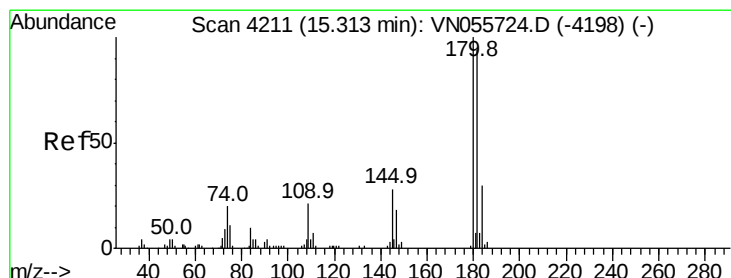
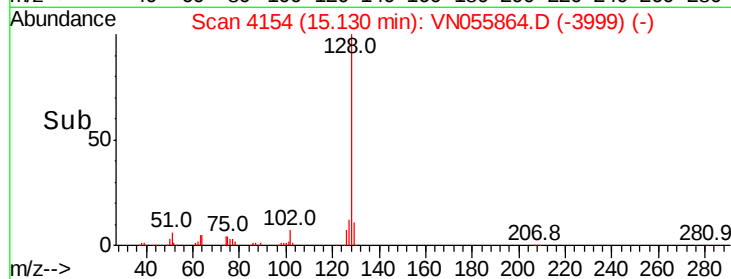
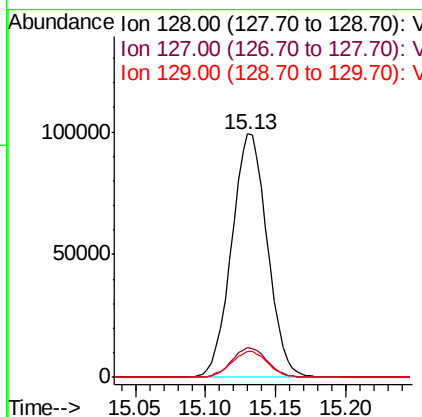
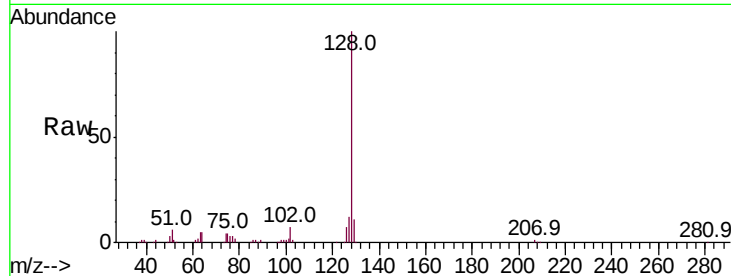
#91
Naphthalene
Concen: 17.791 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	128	Resp:	175600
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.0	15.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/30/2019 9:34:50 AM



#92
1,2,3-Trichlorobenzene
Concen: 18.743 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion:	180	Resp:	70763
Ion Ratio	Lower	Upper	
180	100		
182	94.9	0.0	188.6
145	28.3	0.0	56.8

