

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055872.D
 Acq On : 29 May 2019 12:53
 Operator : JC/SP
 Sample : VN0529MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:35:05 AM

Quant Time: May 30 09:04:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	345132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	493191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	435979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	180818	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.59	113	159199	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.09	98	605836	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	197687	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	42474	18.286	ug/l	98
3) Chloromethane	2.06	50	60640	18.633	ug/l	98
4) Vinyl Chloride	2.18	62	65700	18.927	ug/l	99
5) Bromomethane	2.54	94	46865	21.581	ug/l	97
6) Chloroethane	2.69	64	42141	20.164	ug/l	99
7) Trichlorofluoromethane	3.01	101	88900	19.535	ug/l	99
8) Diethyl Ether	3.40	74	41344	20.270	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55684	19.602	ug/l	99
10) Methyl Iodide	3.94	142	83663	20.144	ug/l	100
11) Tert butyl alcohol	4.82	59	67087	98.511	ug/l	98
12) 1,1-Dichloroethene	3.72	96	56245	19.162	ug/l	97
13) Acrolein	3.60	56	37577	77.060	ug/l	98
14) Allyl chloride	4.31	41	94944	18.868	ug/l	98
15) Acrylonitrile	4.99	53	161040	102.982	ug/l	100
16) Acetone	3.82	43	151249	96.536	ug/l	98
17) Carbon Disulfide	4.04	76	135242	16.217	ug/l	98
18) Methyl Acetate	4.33	43	72061	21.914	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	195539	19.974	ug/l	99
20) Methylene Chloride	4.54	84	67013	19.750	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	60670	19.239	ug/l	98
22) Diisopropyl ether	5.96	45	197475	20.178	ug/l	99
23) Vinyl Acetate	5.90	43	825165	98.338	ug/l	100
24) 1,1-Dichloroethane	5.84	63	111053	19.489	ug/l	99
25) 2-Butanone	6.84	43	223100	101.960	ug/l	100
26) 2,2-Dichloropropane	6.82	77	89188	18.085	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	73729	20.040	ug/l	100
28) Bromochloromethane	7.19	49	57713	21.273	ug/l	99
29) Tetrahydrofuran	7.22	42	144755	104.466	ug/l	100
30) Chloroform	7.37	83	114594	20.165	ug/l	100
31) Cyclohexane	7.65	56	104641	19.560	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	97454	19.218	ug/l	99
36) 1,1-Dichloropropene	7.79	75	82158	19.116	ug/l	99
37) Ethyl Acetate	6.93	43	87152	20.980	ug/l	99
38) Carbon Tetrachloride	7.77	117	83061	18.553	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102194	19.201	ug/l	99
40) Benzene	8.04	78	263936	20.376	ug/l	99
41) Methacrylonitrile	7.18	41	40350	19.227	ug/l	95
42) 1,2-Dichloroethane	8.12	62	87921	20.772	ug/l	100
43) Isopropyl Acetate	8.17	43	139240	19.950	ug/l #	92
44) Trichloroethene	8.83	130	74886	20.738	ug/l	100
45) 1,2-Dichloropropane	9.12	63	70195	20.799	ug/l	99
46) Dibromomethane	9.21	93	45130	20.391	ug/l	97
47) Bromodichloromethane	9.40	83	86529	19.066	ug/l	96
48) Methyl methacrylate	9.20	41	65490	20.360	ug/l	99
49) 1,4-Dioxane	9.20	88	26958	403.295	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	428084	103.852	ug/l	99
52) Toluene	10.16	92	166315	20.415	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	88340	18.236	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	103450	19.277	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	67683	20.739	ug/l	99
56) Ethyl methacrylate	10.43	69	102011	20.225	ug/l	99
57) 1,3-Dichloropropane	10.71	76	109408	20.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	176719	91.680	ug/l	99
59) 2-Hexanone	10.75	43	300333	102.706	ug/l	100
60) Dibromochloromethane	10.90	129	71346	18.766	ug/l	99
61) 1,2-Dibromoethane	11.01	107	70491	20.823	ug/l	99
64) Tetrachloroethene	10.63	164	75704	20.588	ug/l	99
65) Chlorobenzene	11.43	112	180524	20.684	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	66615	19.137	ug/l	98
67) Ethyl Benzene	11.51	91	320181	20.457	ug/l	99
68) m/p-Xylenes	11.62	106	240181	40.592	ug/l	99
69) o-Xylene	11.95	106	117611	20.034	ug/l	99
70) Styrene	11.96	104	190907	20.081	ug/l	99
71) Bromoform	12.13	173	51683	17.407	ug/l #	100
73) Isopropylbenzene	12.25	105	318834	23.298	ug/l	99
74) N-amyl acetate	12.07	43	110307	21.154	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	94498	22.948	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	77443m	23.114	ug/l	
77) Bromobenzene	12.53	156	81460	21.056	ug/l	97
78) n-propylbenzene	12.59	91	325329	20.646	ug/l	99
79) 2-Chlorotoluene	12.67	91	201241	22.297	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	256800	22.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	23902	17.738	ug/l	93
82) 4-Chlorotoluene	12.77	91	187628	20.256	ug/l	100
83) tert-Butylbenzene	12.99	119	229467	22.809	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	250189	21.763	ug/l	100
85) sec-Butylbenzene	13.17	105	290778	22.527	ug/l	100
86) p-Isopropyltoluene	13.29	119	258753	20.551	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	124253	20.283	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116998	20.088	ug/l	99
89) n-Butylbenzene	13.61	91	186058	19.287	ug/l	100
90) Hexachloroethane	13.87	117	43224	18.036	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	127430	20.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14807	18.432	ug/l	99

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ClientSampleId :
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QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56028	18.411	ug/l	99
94) Hexachlorobutadiene	15.01	225	48324	21.423	ug/l	99
95) Naphthalene	15.13	128	157523	18.782	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	63095	19.529	ug/l	99

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

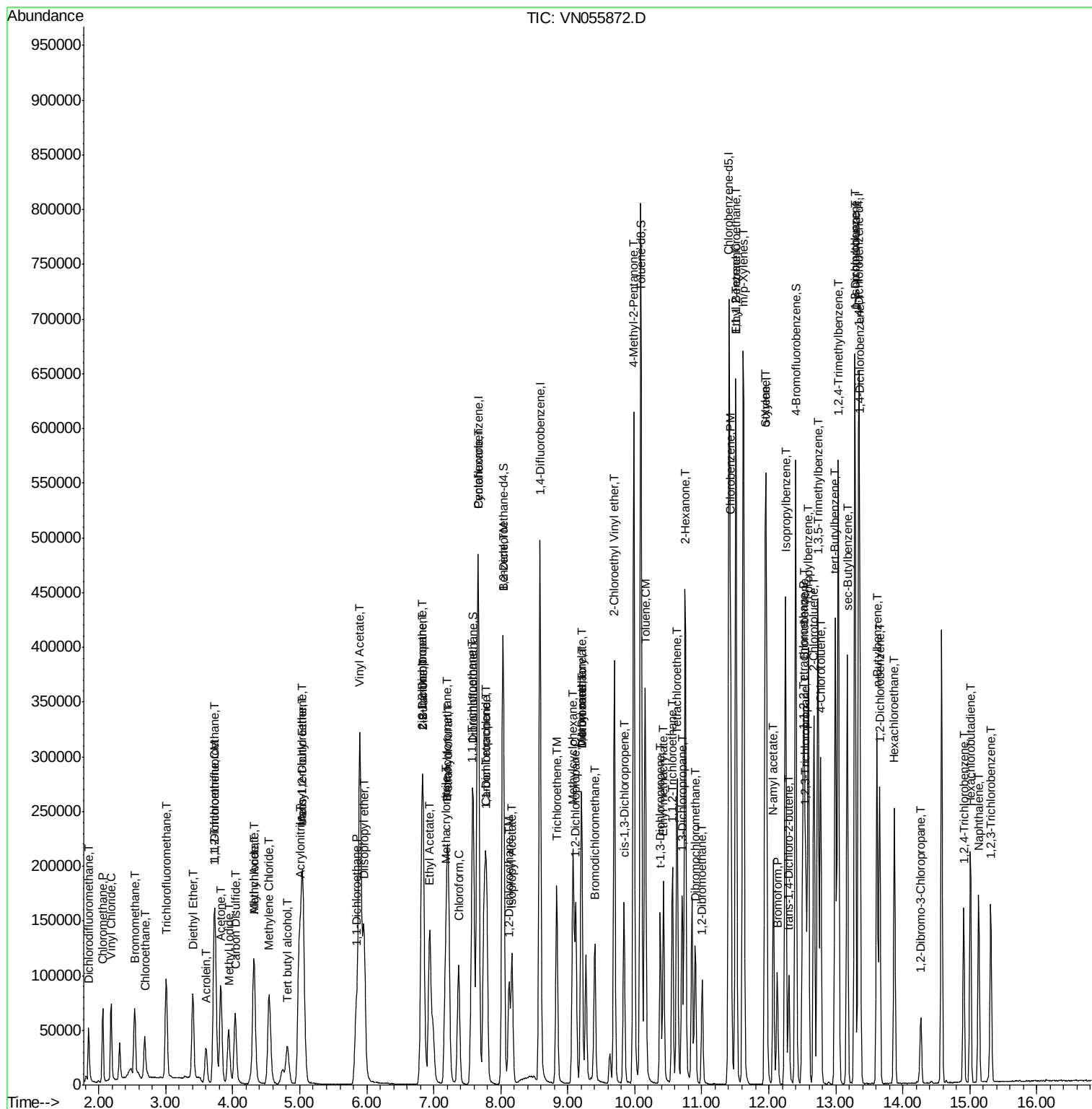
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Data File : VN055872.D
Acq On : 29 May 2019 12:53
Operator : JC/SP
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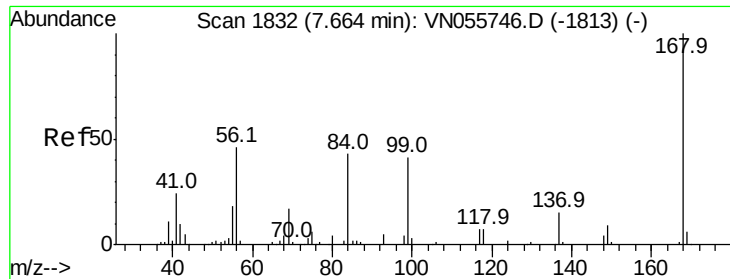
Instrument :
MSVOA_N
ClientSampleId :
VN0529MBS01

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion:168 Resp: 345132

Ion Ratio Lower Upper

168 100

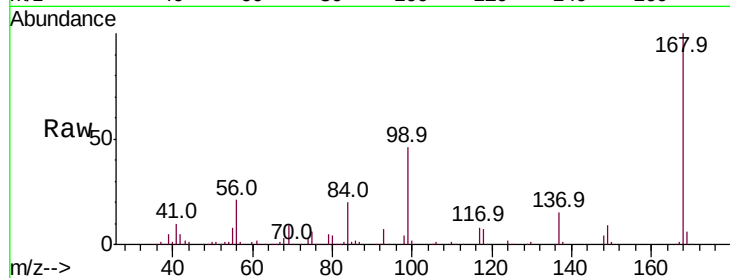
99 45.7 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

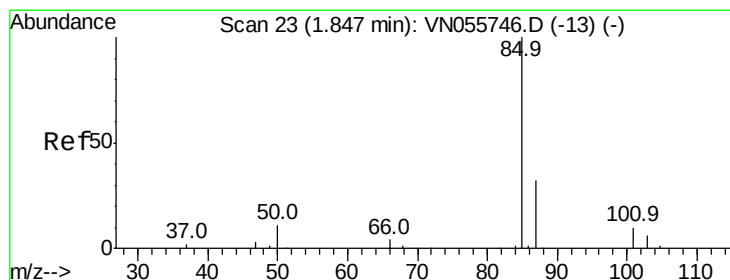
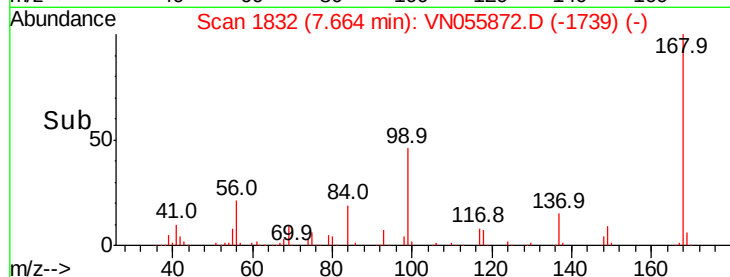
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.286 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055872.D

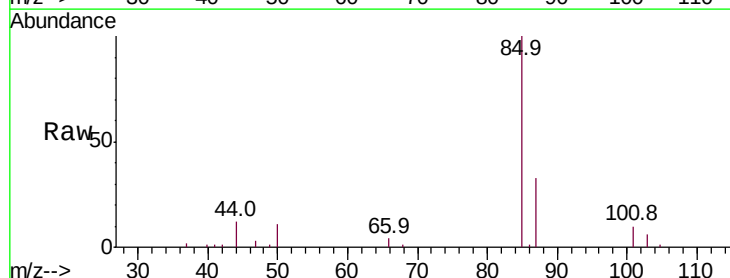
Acq: 29 May 2019 12:53

Tgt Ion: 85 Resp: 42474

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

25000

20000

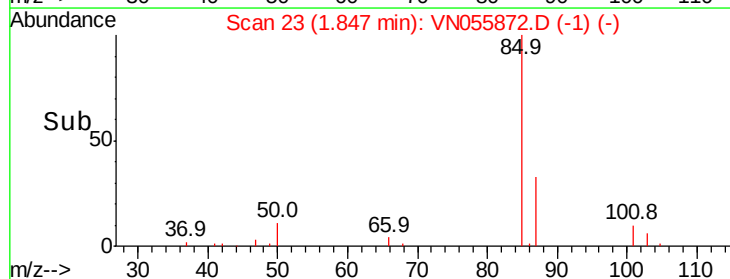
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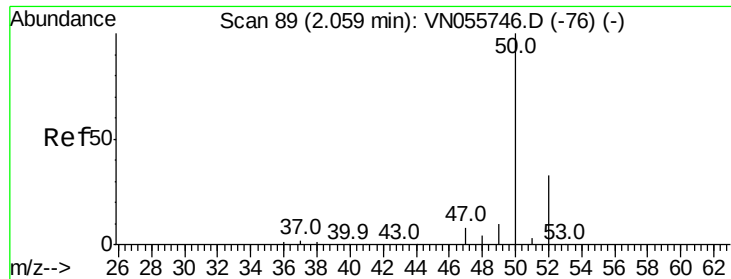
10000

5000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.633 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion: 50 Resp: 60640

Ion Ratio Lower Upper

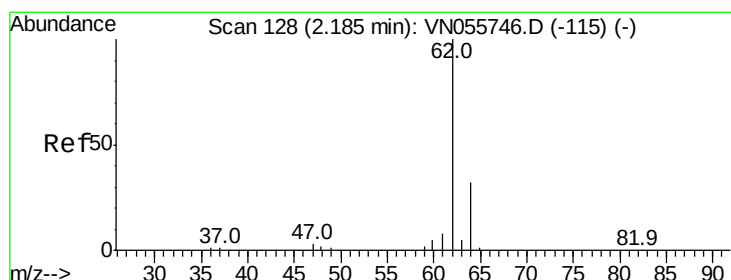
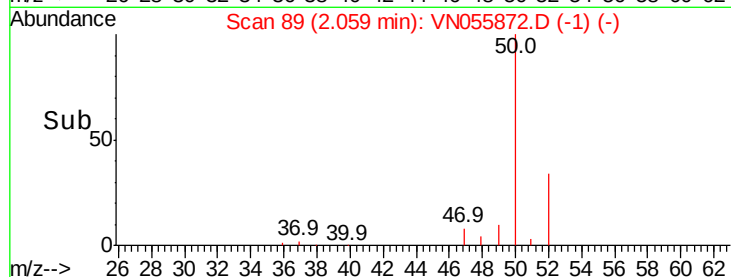
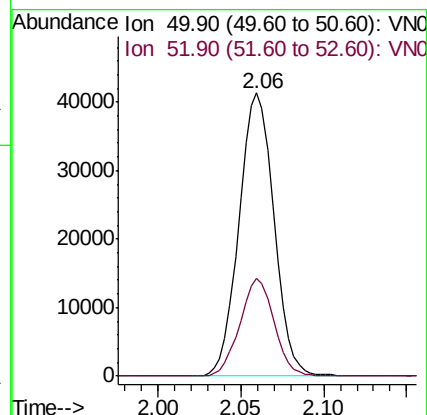
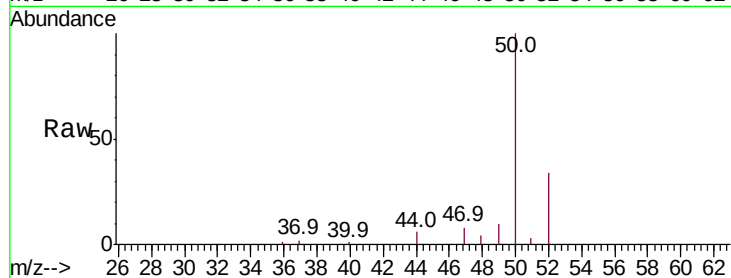
50 100

52 34.4 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.927 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055872.D

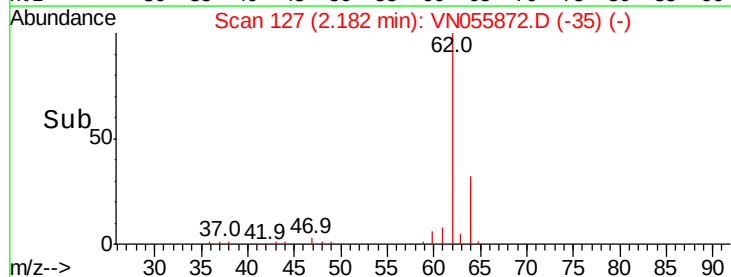
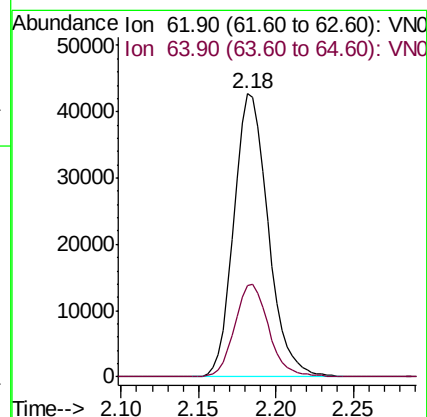
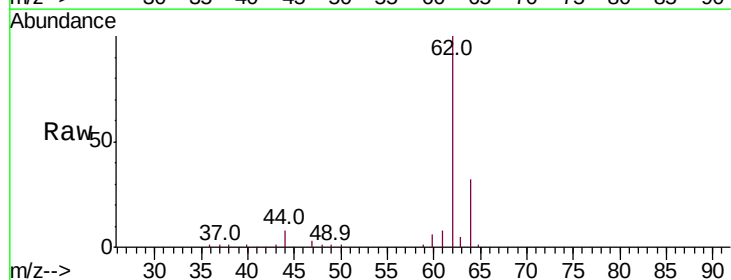
Acq: 29 May 2019 12:53

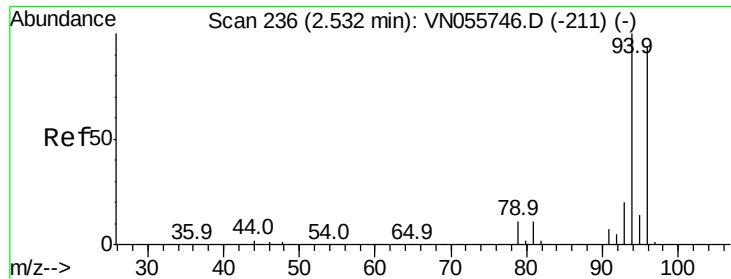
Tgt Ion: 62 Resp: 65700

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 21.581 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion: 94 Resp: 46865

Ion Ratio Lower Upper

94 100

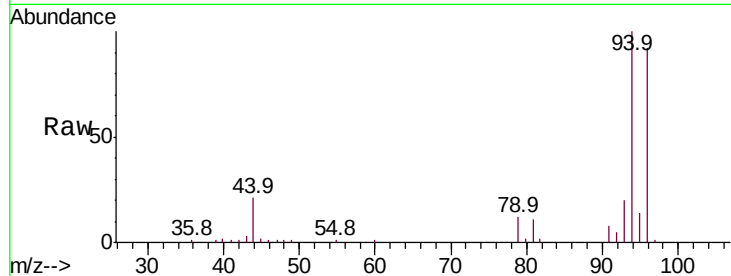
96 91.9 75.5 113.3

Manual Integrations

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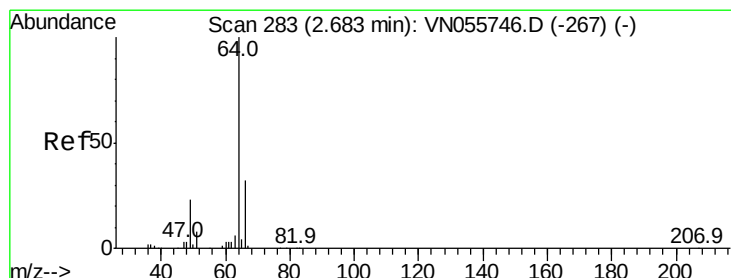
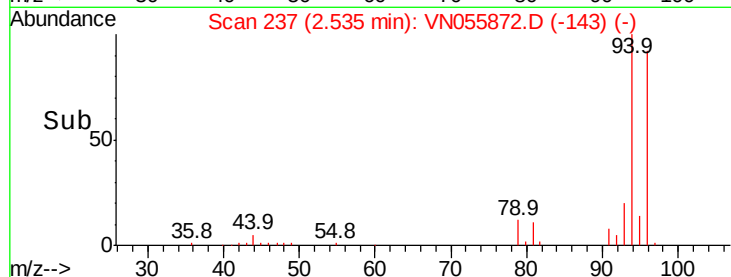
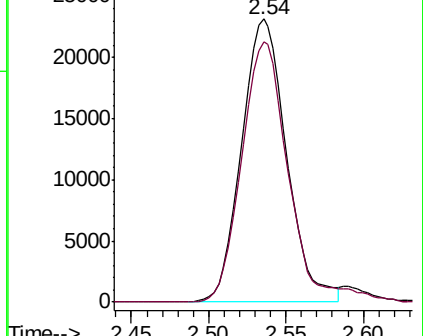
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.164 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055872.D

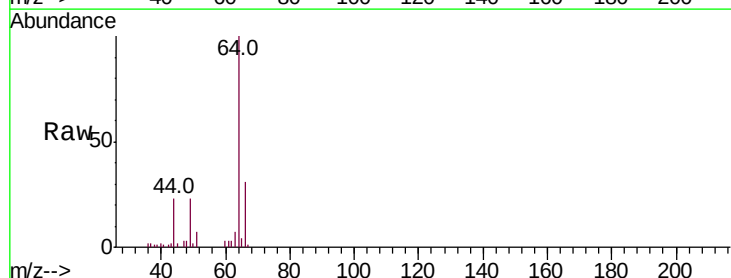
Acq: 29 May 2019 12:53

Tgt Ion: 64 Resp: 42141

Ion Ratio Lower Upper

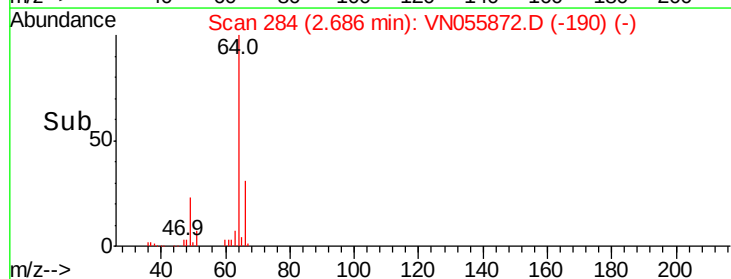
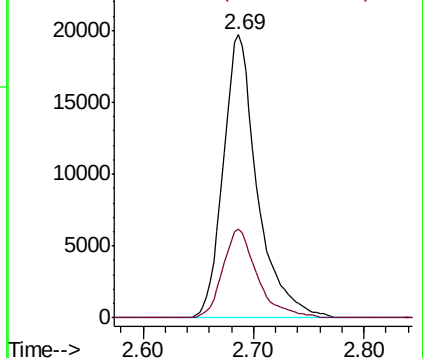
64 100

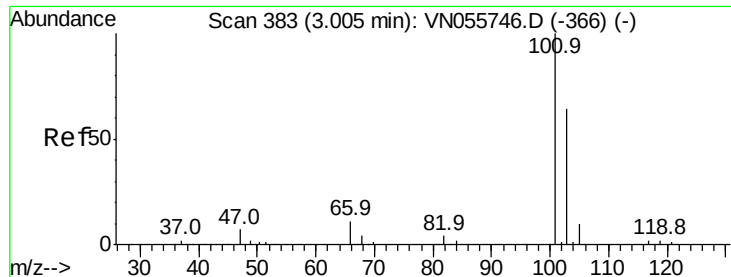
66 31.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

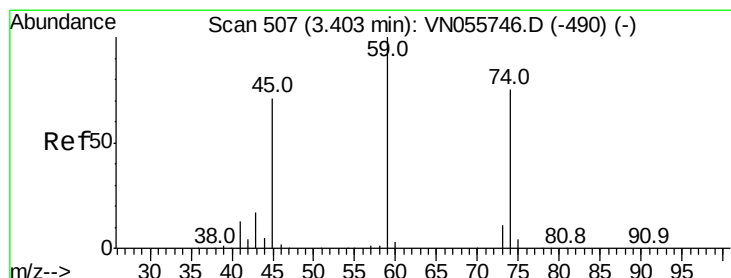
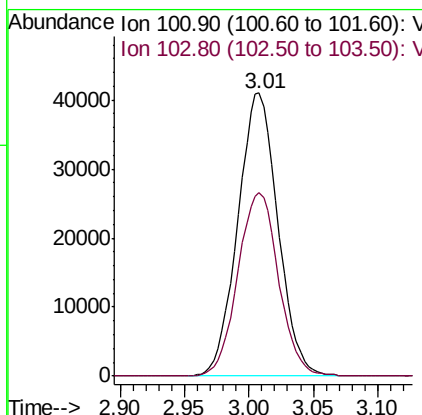
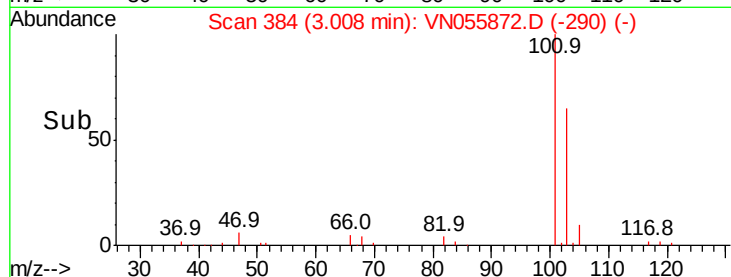
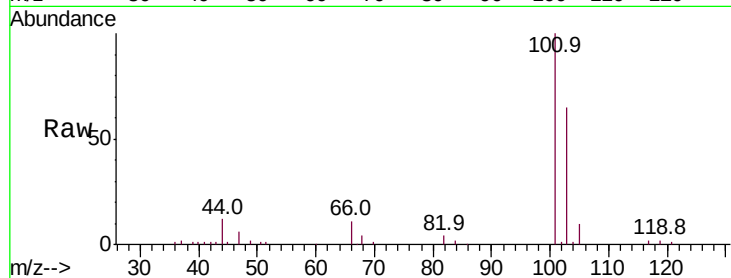
Trichlorofluoromethane
 Concen: 19.535 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion:101 Resp: 88900
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.2 76.8

Manual Integrations
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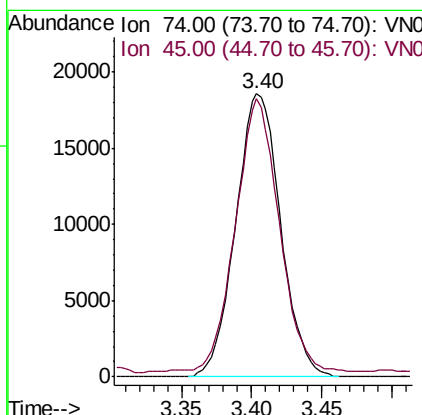
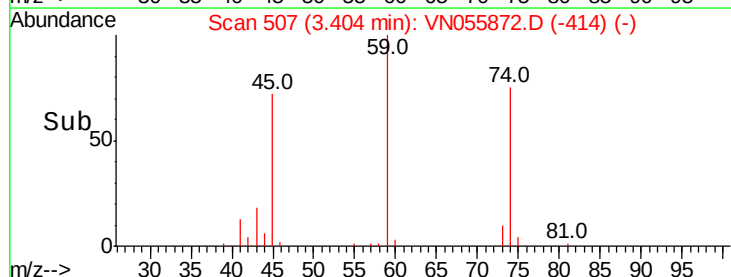
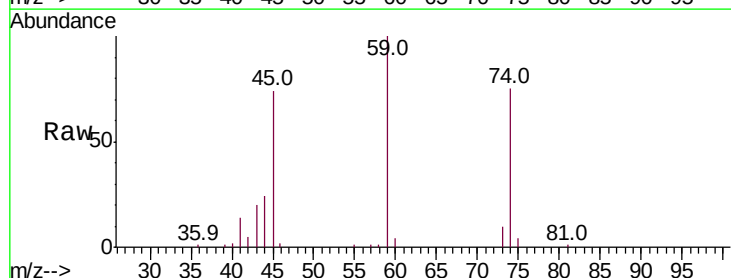
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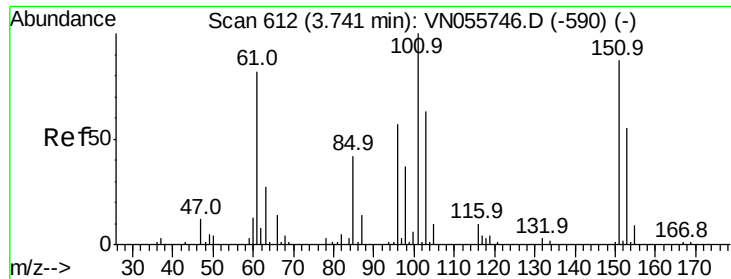


#8

Diethyl Ether
 Concen: 20.270 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion: 74 Resp: 41344
 Ion Ratio Lower Upper
 74 100
 45 93.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.602 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

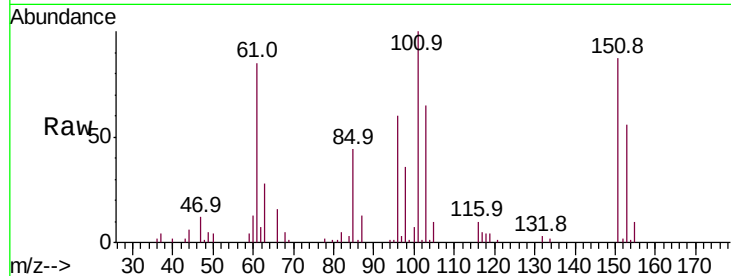
ClientSampleId :

VN0529MBSD01

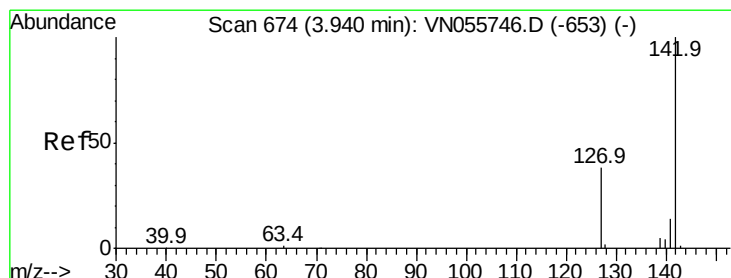
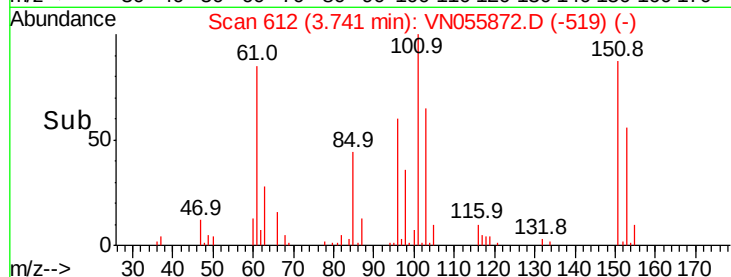
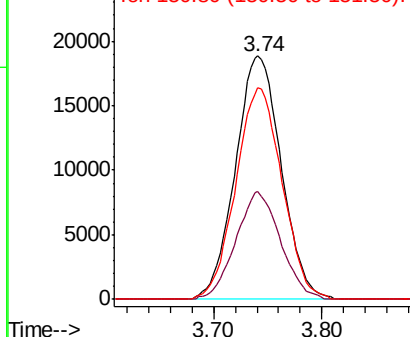
Tot Ion:	101	Resp:	55684
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.4	50.2
151	87.7	69.4	104.2

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



#10

Methyl Iodide

Concen: 20.144 ug/l

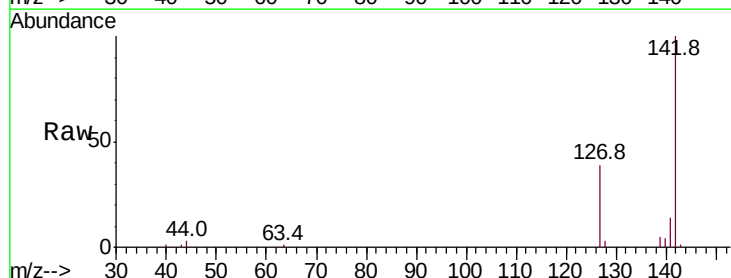
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

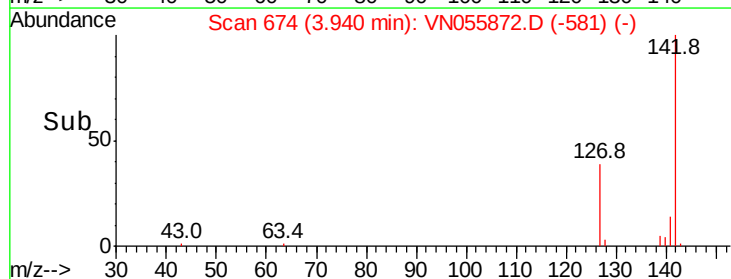
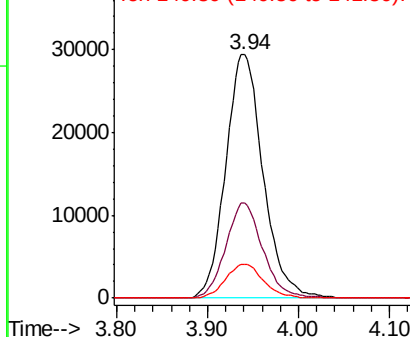
Lab File: VN055872.D

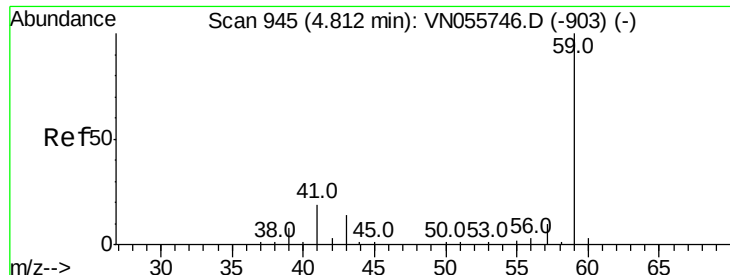
Acq: 29 May 2019 12:53

Tgt Ion:	142	Resp:	83663
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	13.9	11.4	17.0



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





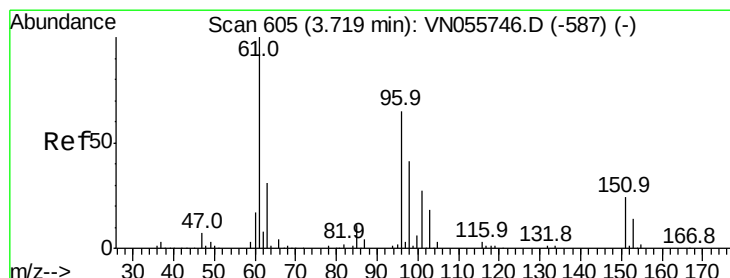
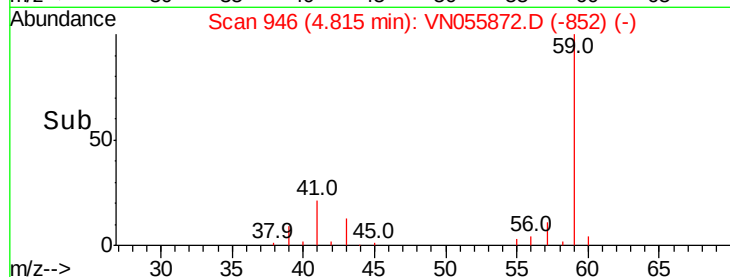
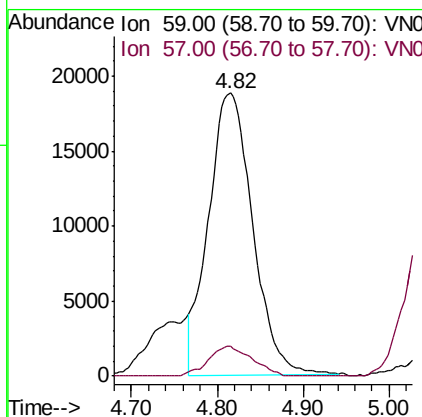
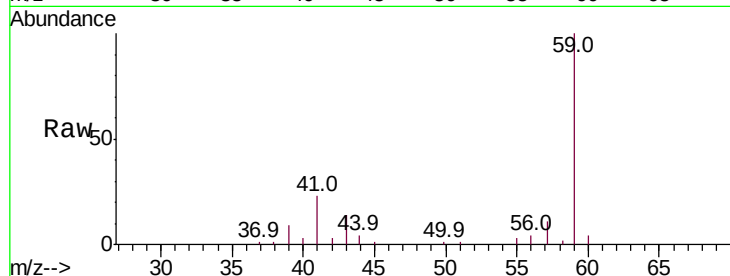
#11
Tert butyl alcohol
Concen: 98.511 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion: 59 Resp: 67087
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.6

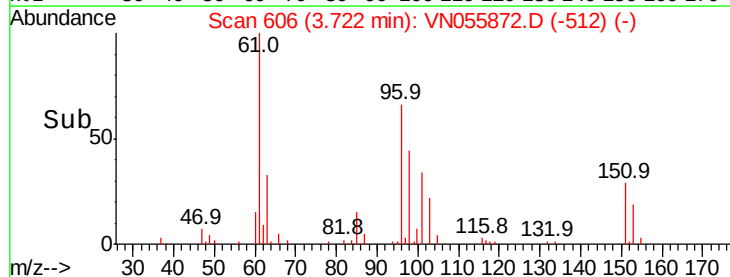
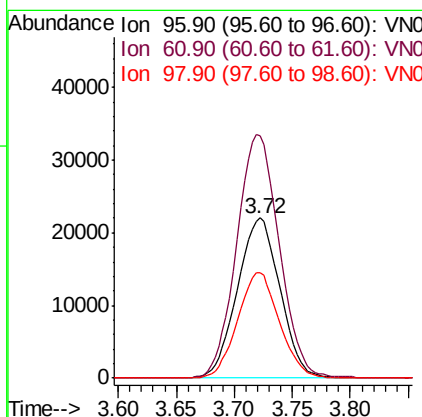
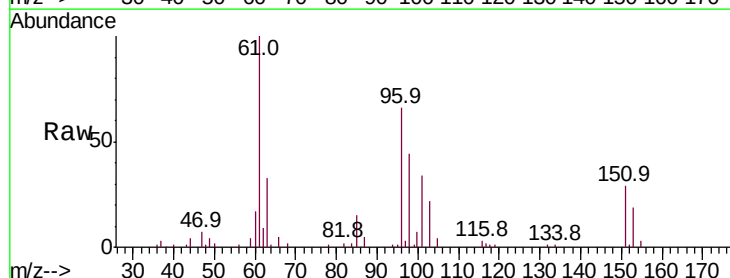
Manual Integrations
APPROVED

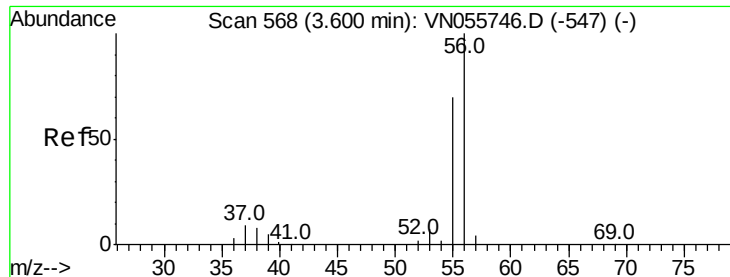
MMDadoda
5/30/2019 9:35:05 AM



#12
1,1-Dichloroethene
Concen: 19.162 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 96 Resp: 56245
Ion Ratio Lower Upper
96 100
61 151.5 123.2 184.8
98 66.2 50.4 75.6





#13

Acrolein

Concen: 77.060 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampled :

VN0529MBSD01

Tot Ion: 56 Resp: 37577

Ion Ratio Lower Upper

56 100

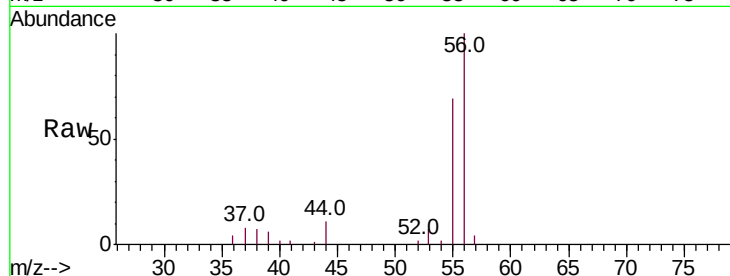
55 71.3 55.4 83.2

Manual Integrations

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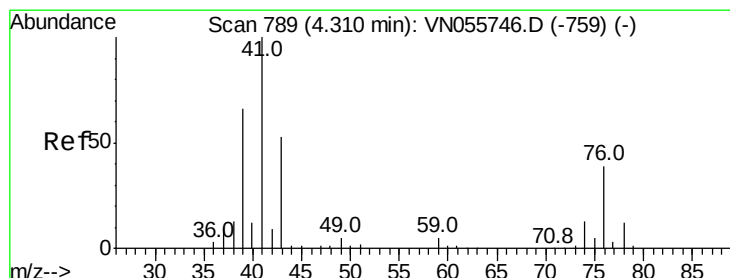
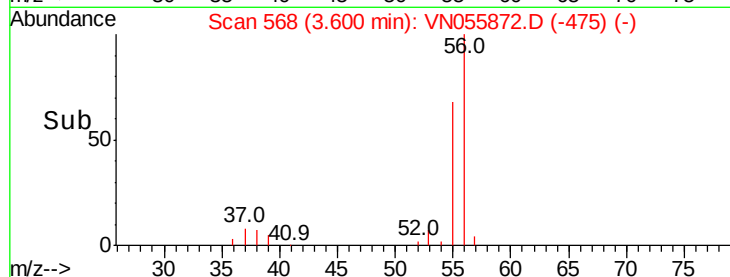
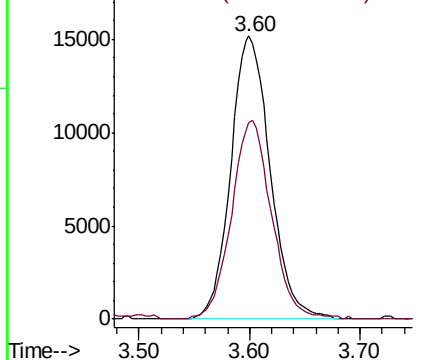
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.868 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

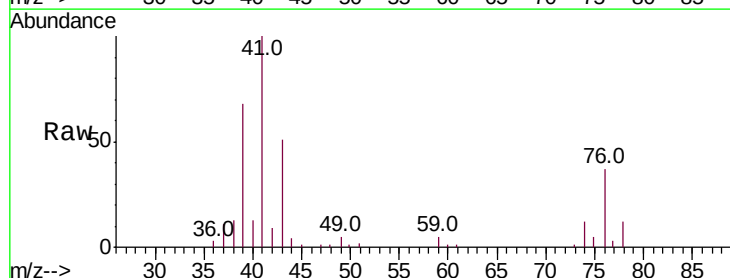
Tgt Ion: 41 Resp: 94944

Ion Ratio Lower Upper

41 100

39 64.3 50.0 75.0

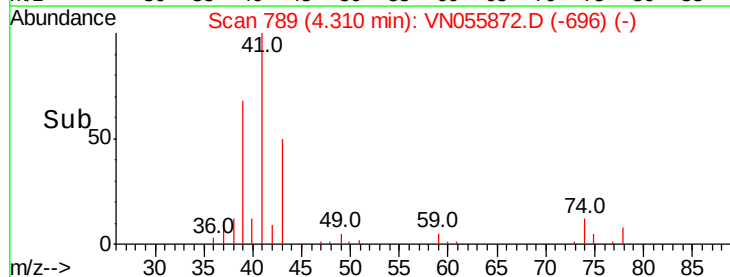
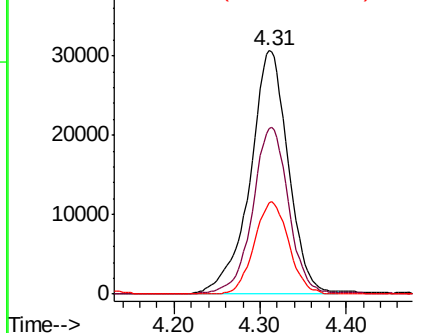
76 34.3 28.2 42.2

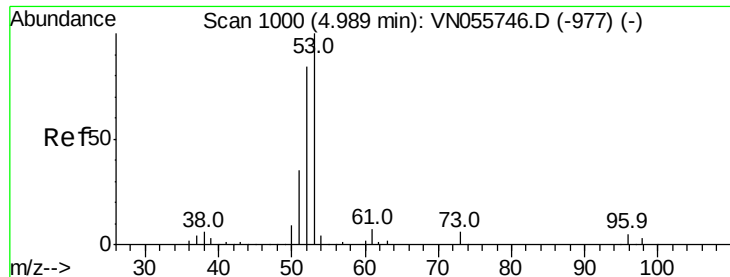


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.982 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

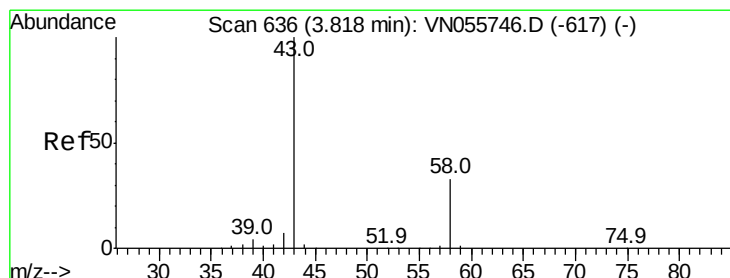
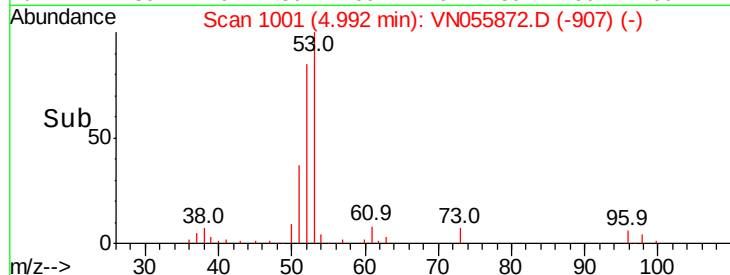
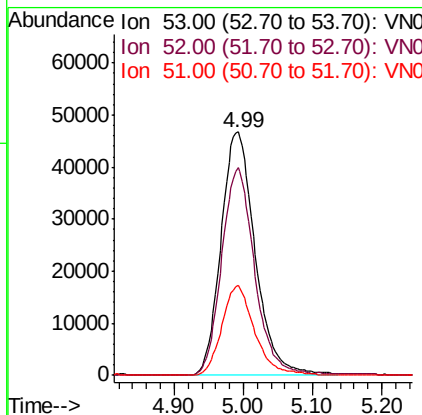
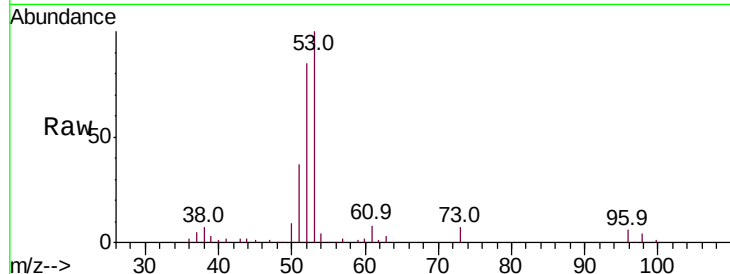
ClientSampleId :

VN0529MBSD01

Tot Ion:	53	Resp:	161040
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.8	98.8
51	35.4	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 96.536 ug/l

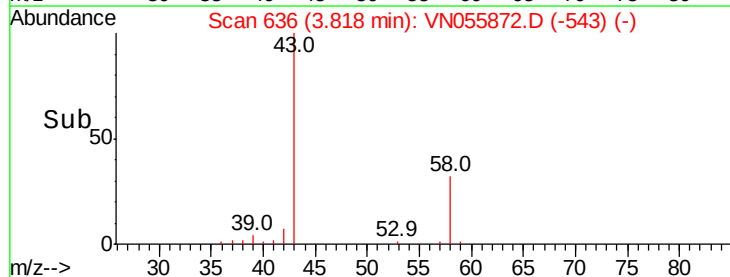
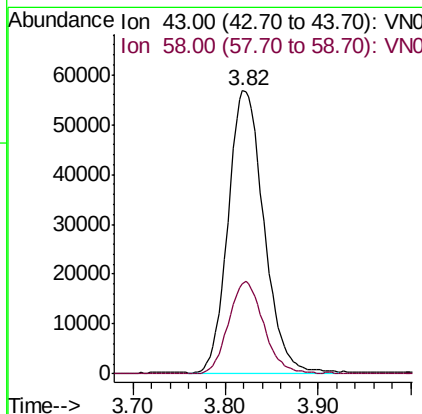
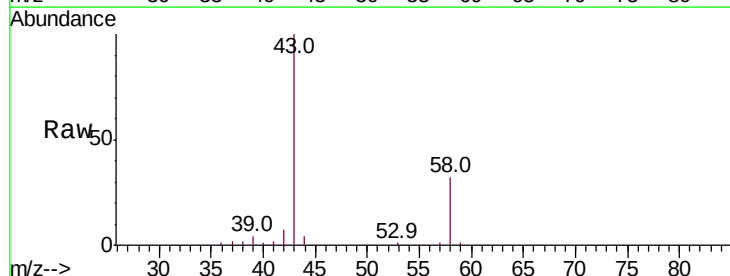
RT: 3.82 min Scan# 636

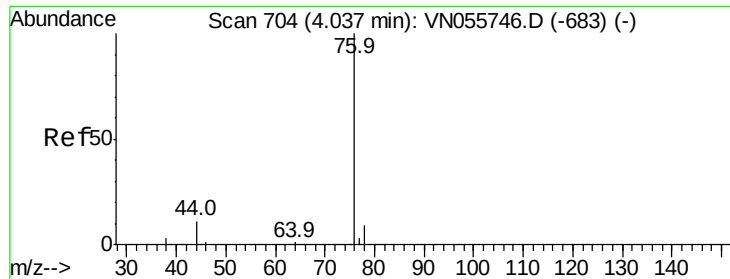
Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Tgt Ion:	43	Resp:	151249
Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.6	39.8





#17

Carbon Disulfide

Concen: 16.217 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion: 76 Resp: 135242

Ion Ratio Lower Upper

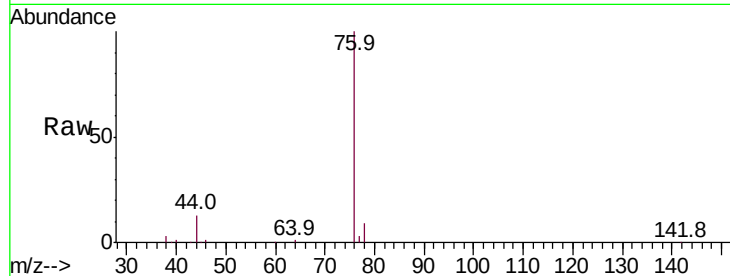
76 100

78 8.6 7.4 11.2

Manual Integrations
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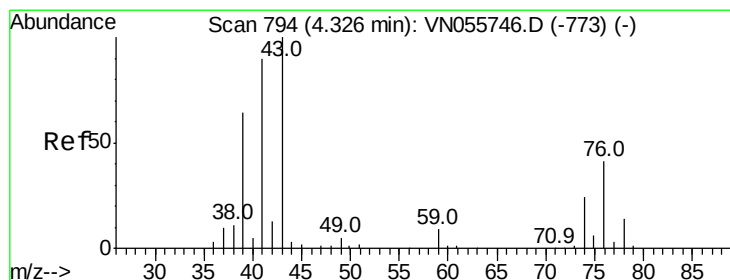
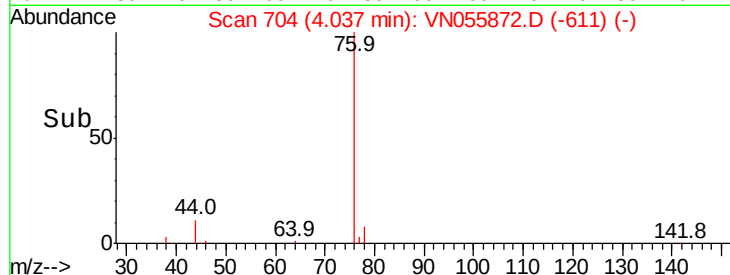
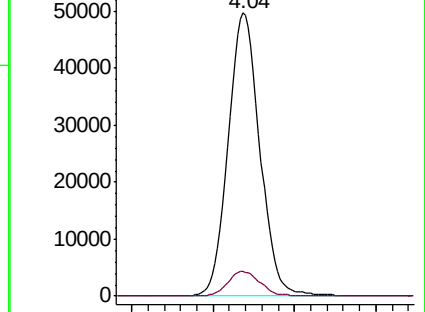
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.914 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055872.D

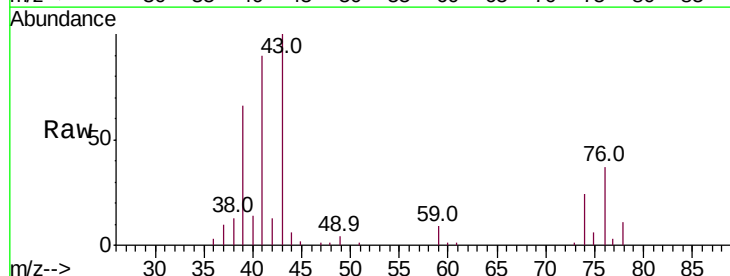
Acq: 29 May 2019 12:53

Tgt Ion: 43 Resp: 72061

Ion Ratio Lower Upper

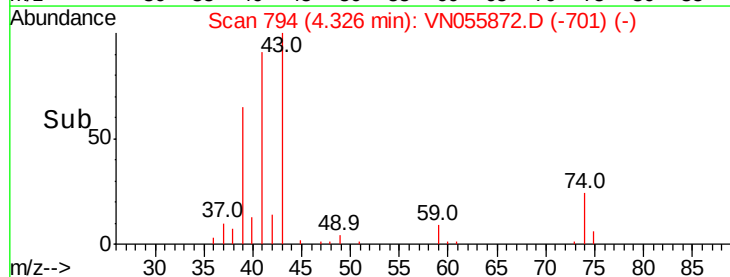
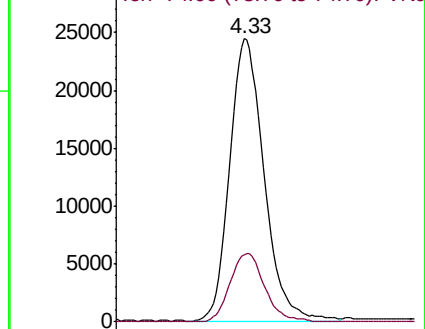
43 100

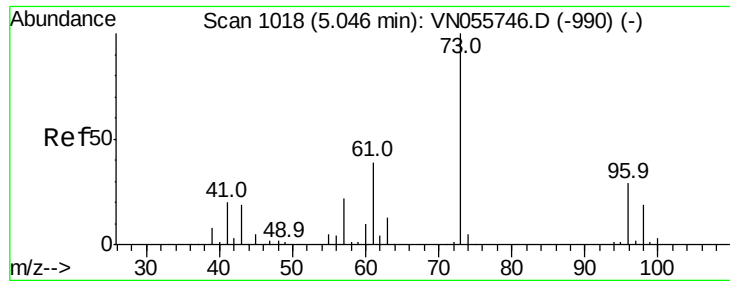
74 24.0 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





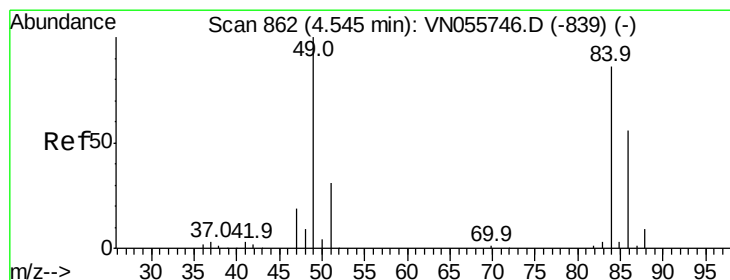
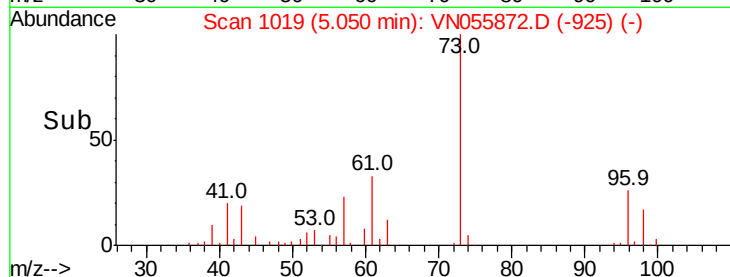
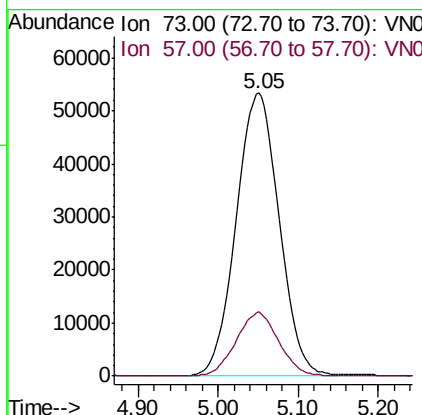
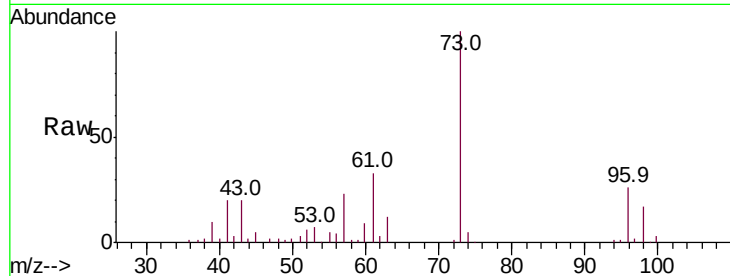
#19
Methyl tert-butyl Ether
Concen: 19.974 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.8	26.8

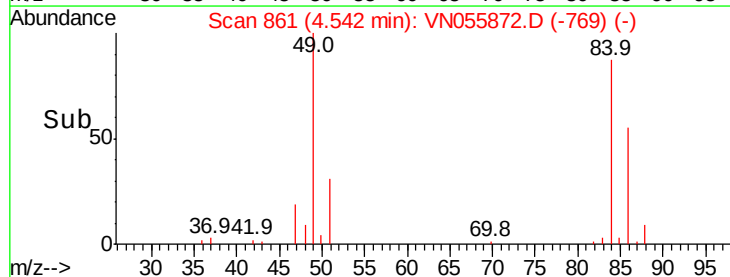
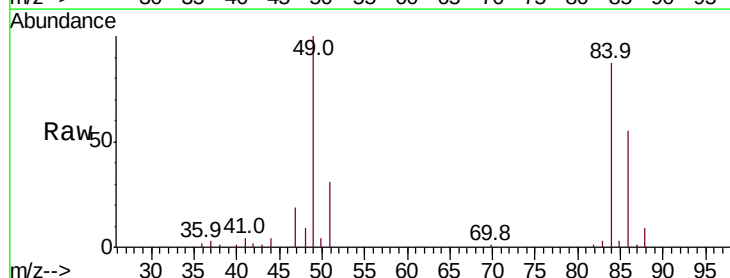
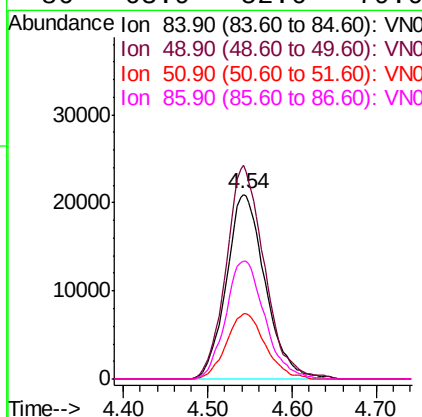
Manual Integrations
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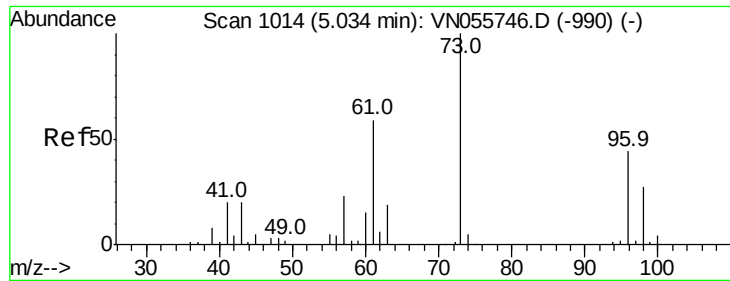
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#20
Methylene Chloride
Concen: 19.750 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.5	93.5	140.3
51	35.5	28.6	43.0
86	63.9	52.6	79.0





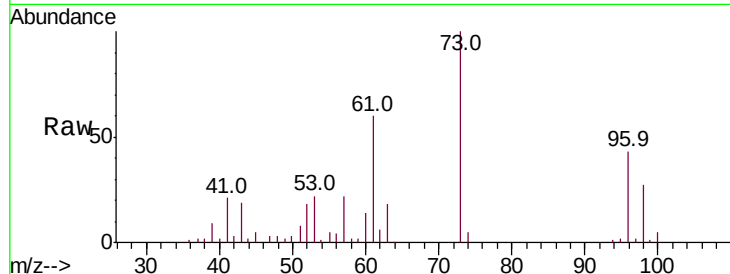
#21
trans-1,2-Dichloroethene
Concen: 19.239 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampled :
VN0529MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.5	107.8	161.8
98	63.0	49.8	74.8

Manual Integrations
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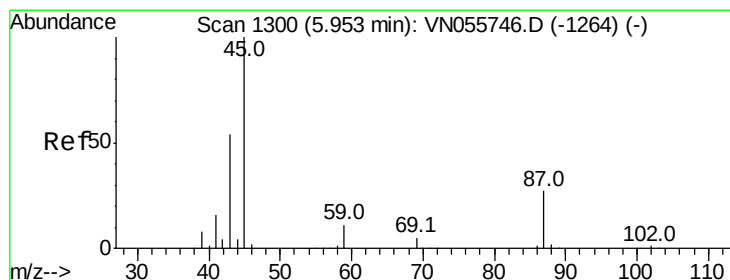
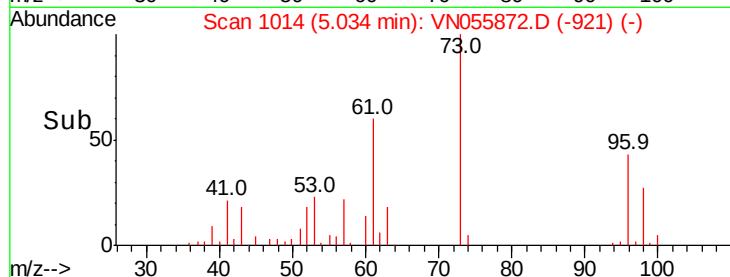
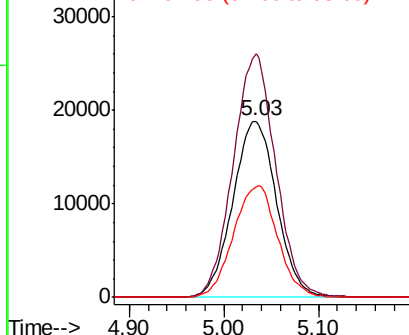


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 20.178 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	45.0	67.6
87	28.2	22.2	33.4
59	11.7	9.1	13.7

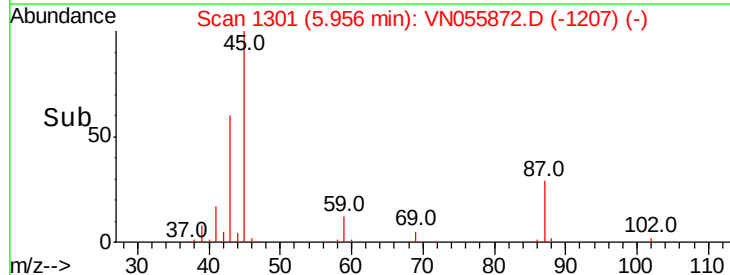
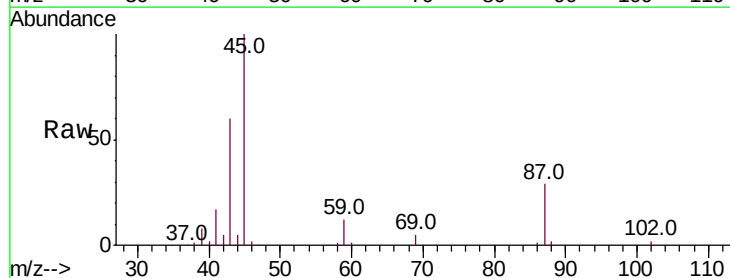
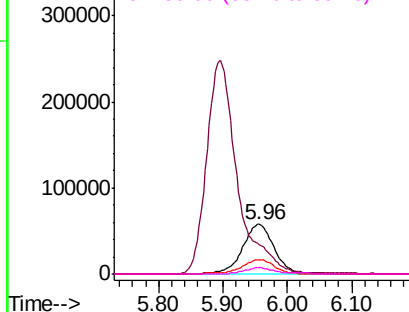
Abundance

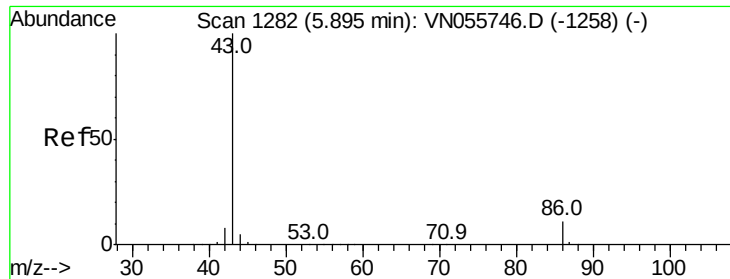
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 98.338 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion: 43 Resp: 825165

Ion Ratio Lower Upper

43 100

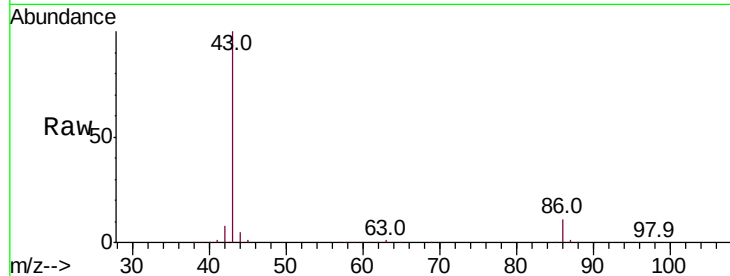
86 10.9 8.6 13.0

Manual Integrations

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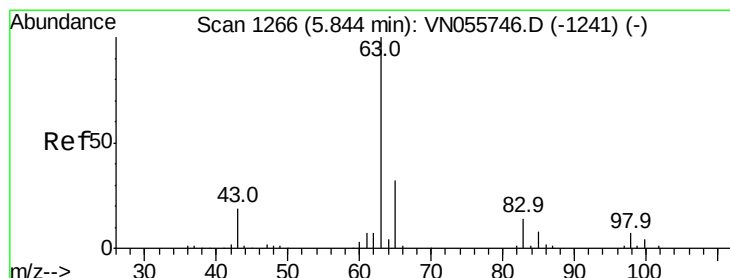
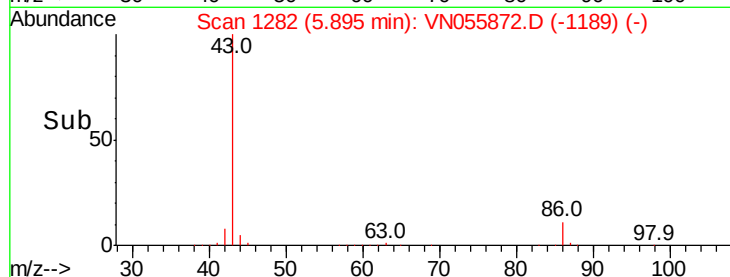
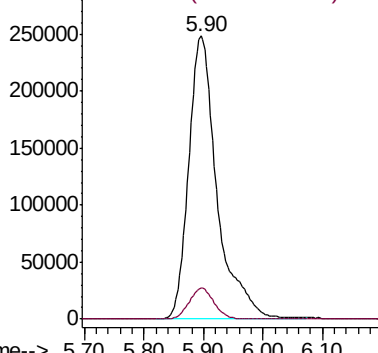
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.489 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

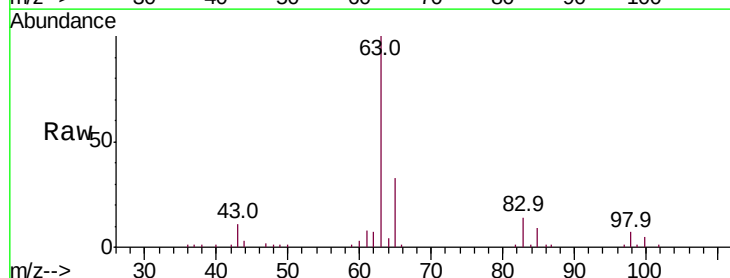
Tgt Ion: 63 Resp: 111053

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

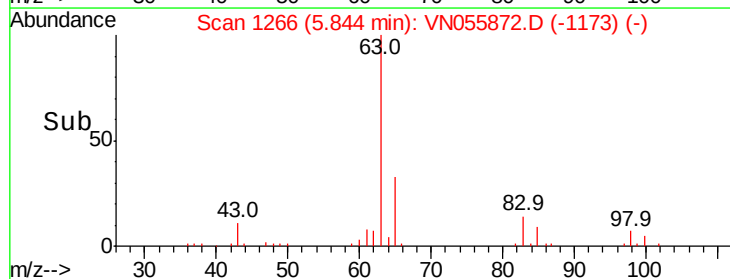
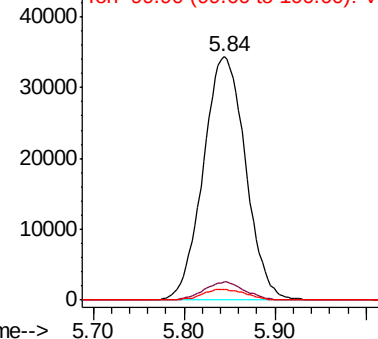
100 4.5 2.2 6.6

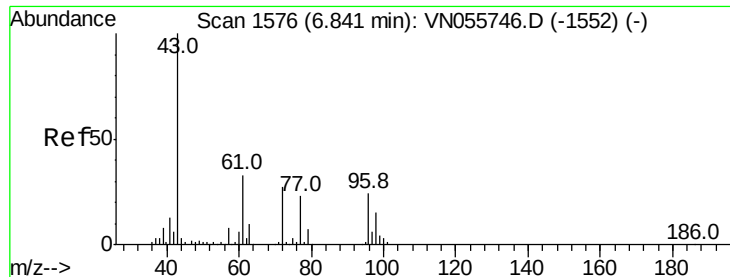


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





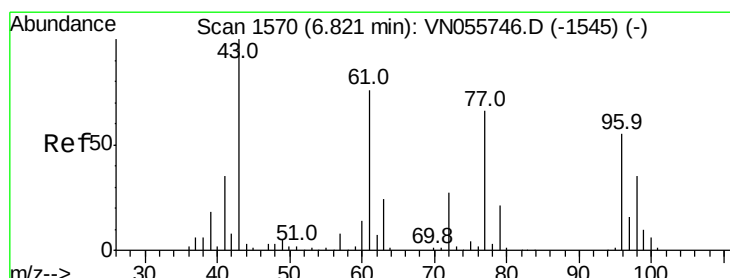
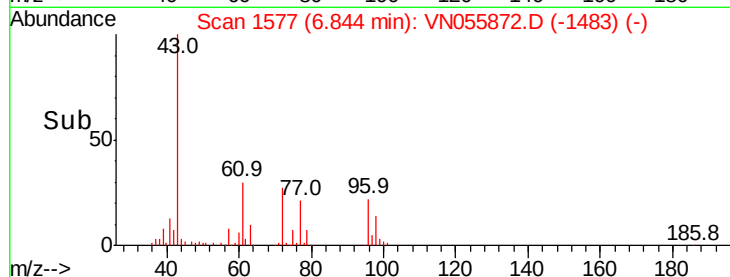
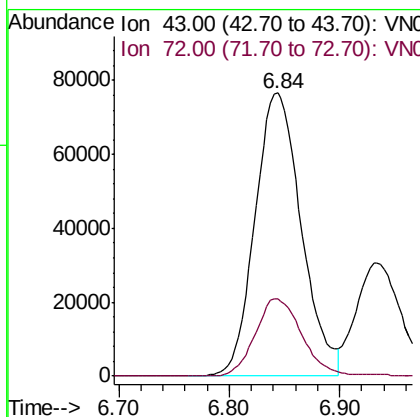
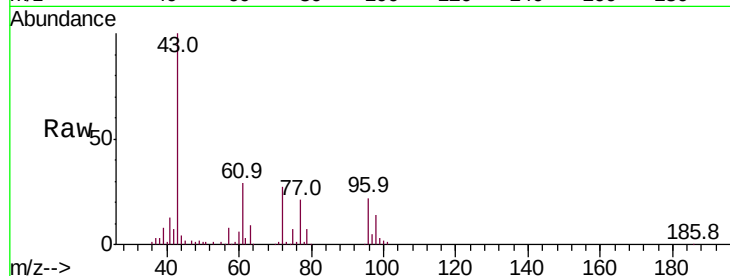
#25
2-Butanone
Concen: 101.960 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion: 43 Resp: 223100
Ion Ratio Lower Upper
43 100
72 27.2 21.9 32.9

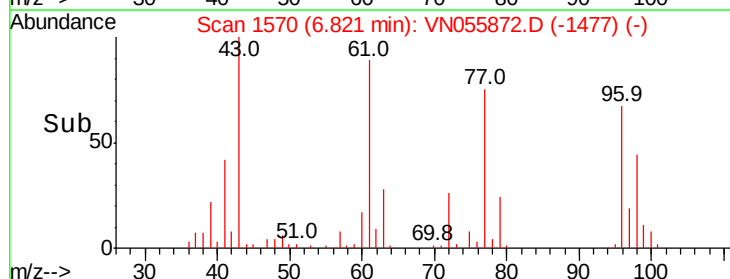
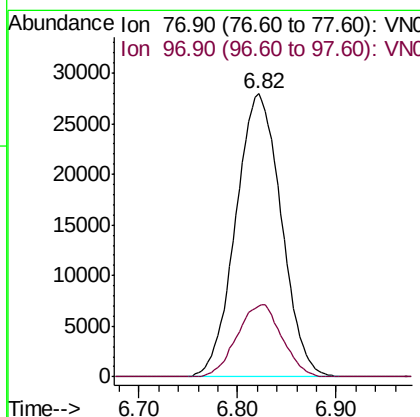
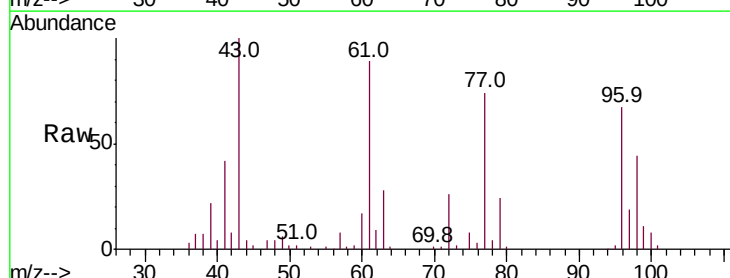
Manual Integrations
APPROVED

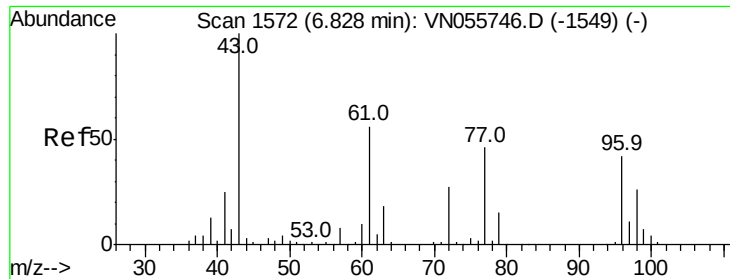
MMDadoda
5/30/2019 9:35:05 AM



#26
2,2-Dichloropropane
Concen: 18.085 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 77 Resp: 89188
Ion Ratio Lower Upper
77 100
97 25.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.040 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion: 96 Resp: 73729

Ion Ratio Lower Upper

96 100

61 137.5 0.0 275.8

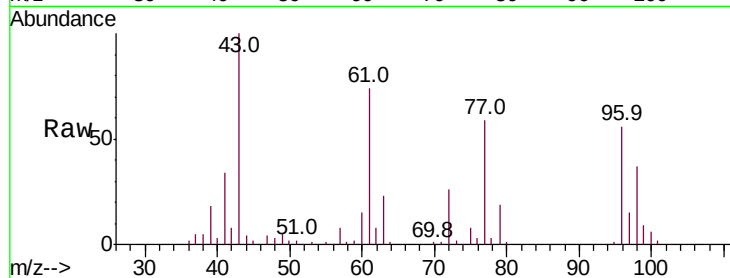
98 64.6 0.0 128.4

Manual Integrations

APPROVED

MMDadoda

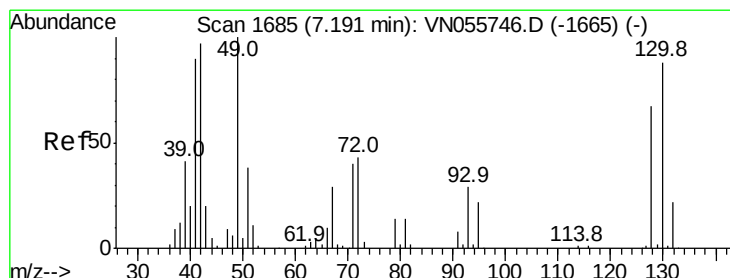
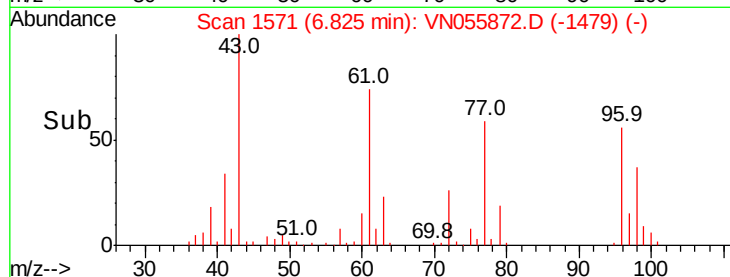
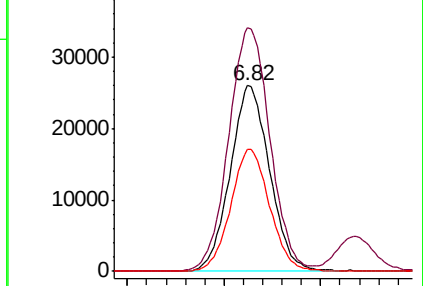
5/30/2019 9:35:05 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1549) (-)



#28

Bromochloromethane

Concen: 21.273 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

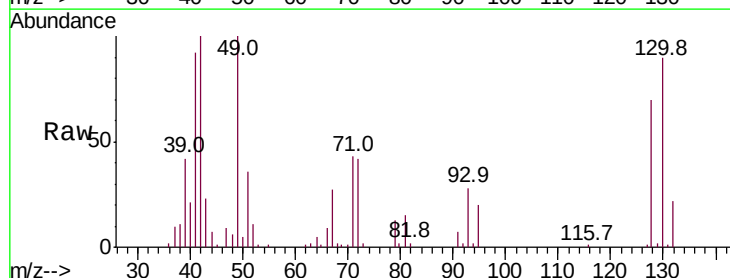
Tgt Ion: 49 Resp: 57713

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

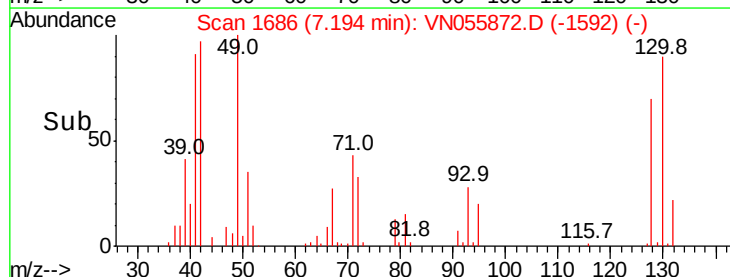
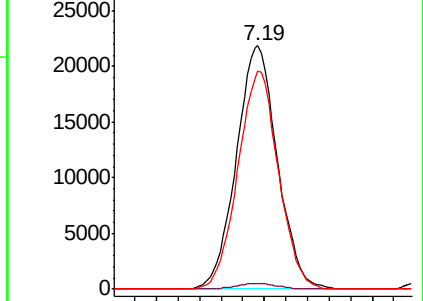
130 88.4 71.2 106.8

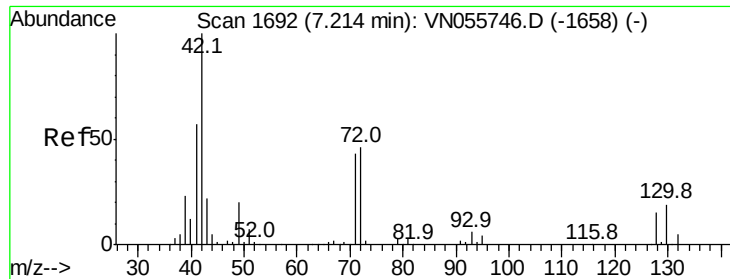


Abundance Ion 48.90 (48.60 to 49.60): VN055746.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055746.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055746.D (-1665) (-)





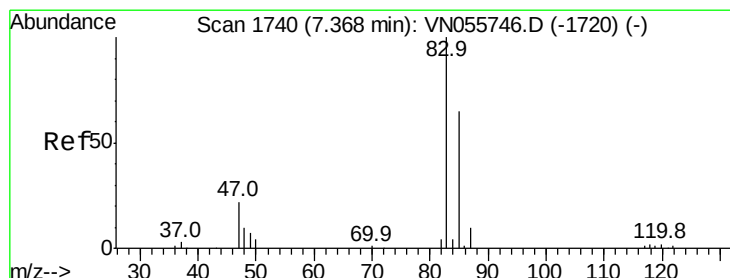
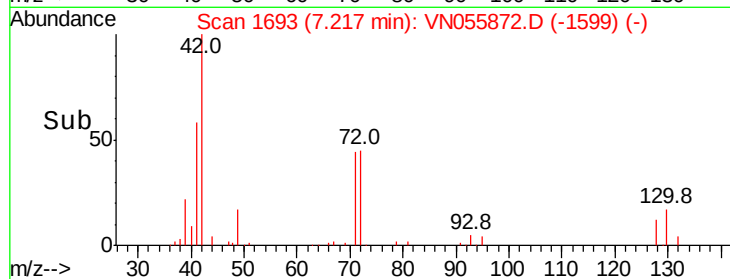
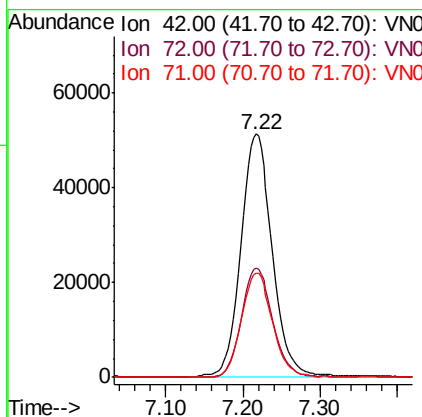
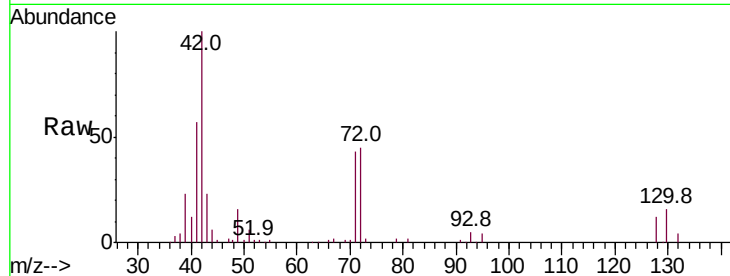
#29
Tetrahydrofuran
Concen: 104.466 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.9	53.9
71	42.4	34.0	51.0

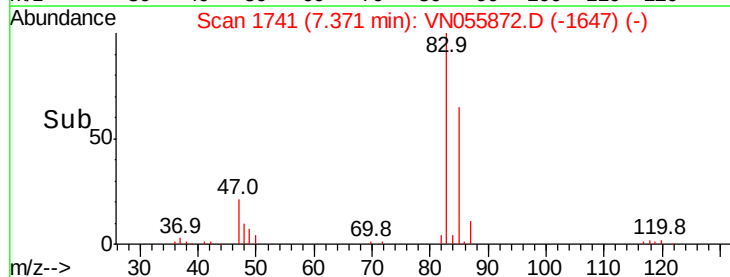
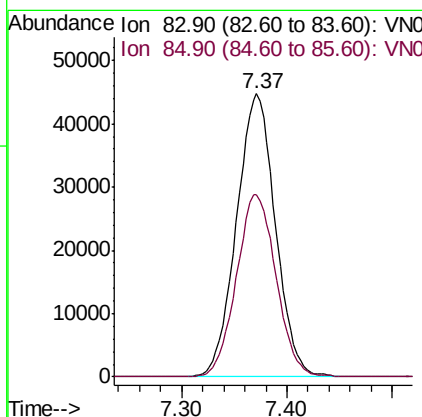
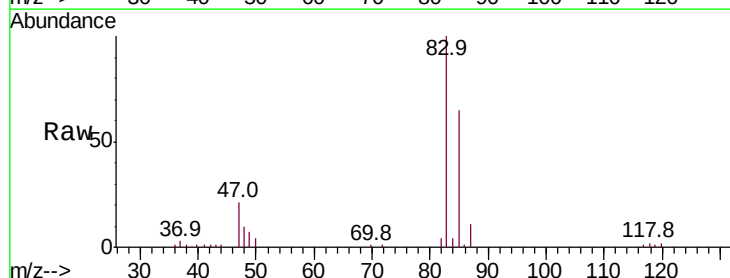
Manual Integrations
APPROVED

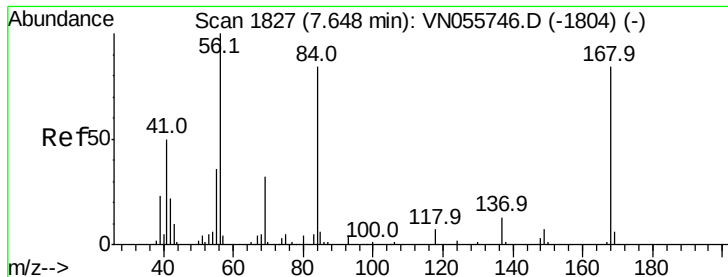
MMDadoda
5/30/2019 9:35:05 AM



#30
Chloroform
Concen: 20.165 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





#31

Cyclohexane

Concen: 19.560 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion: 56 Resp: 104641

Ion Ratio Lower Upper

56 100

69 37.8 25.6 38.4

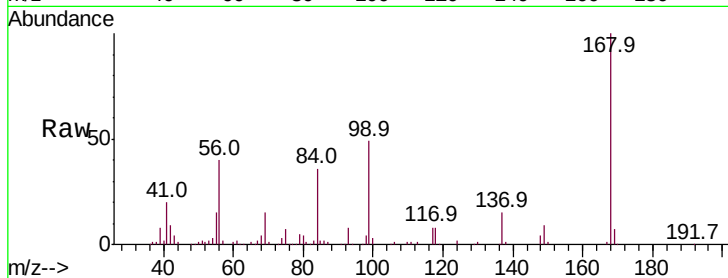
84 89.2 67.4 101.0

Manual Integrations

APPROVED

MMDadoda

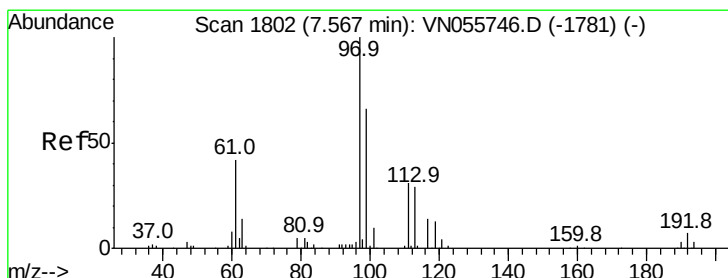
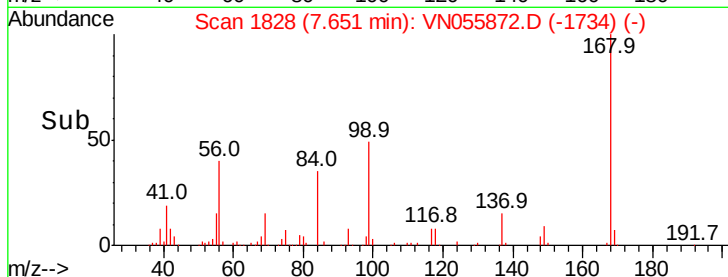
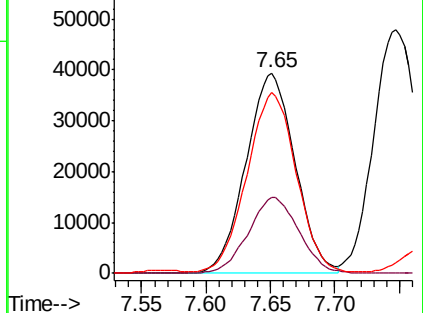
5/30/2019 9:35:05 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.218 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

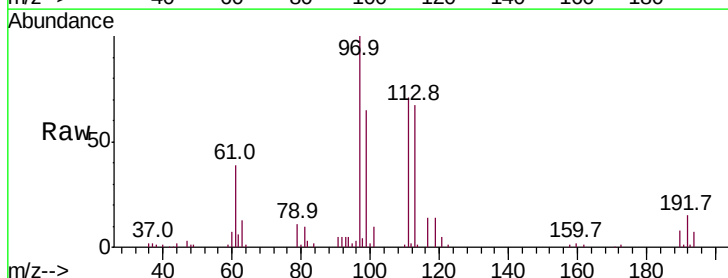
Tgt Ion: 97 Resp: 97454

Ion Ratio Lower Upper

97 100

99 65.6 52.0 78.0

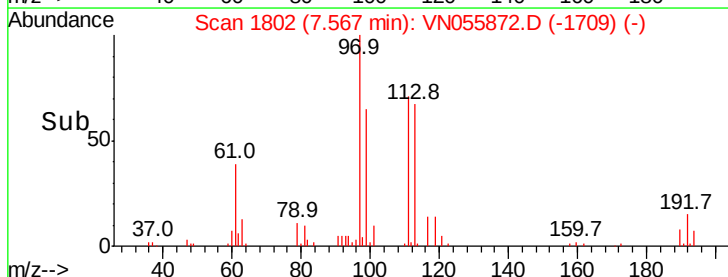
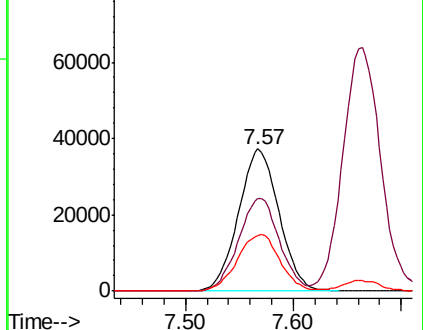
61 41.6 32.9 49.3

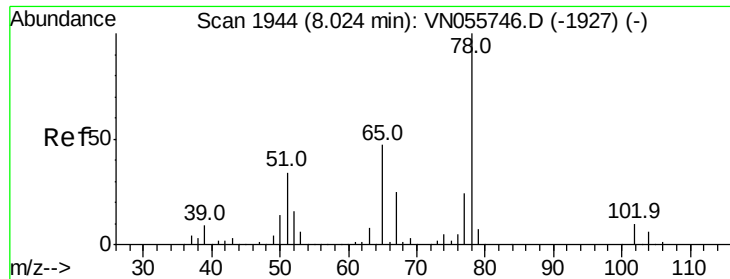


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





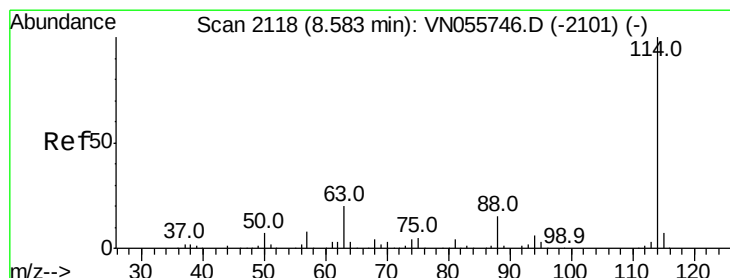
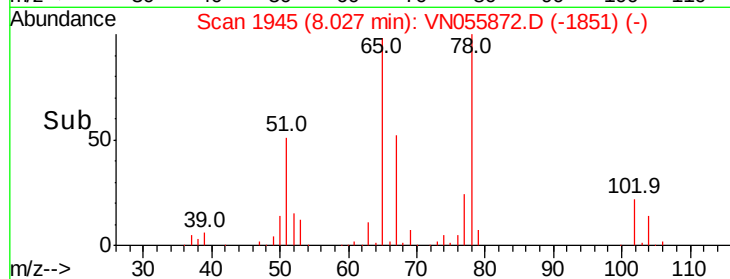
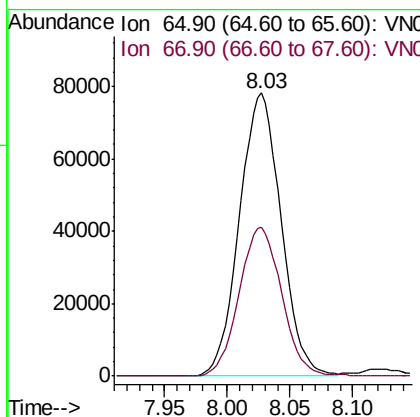
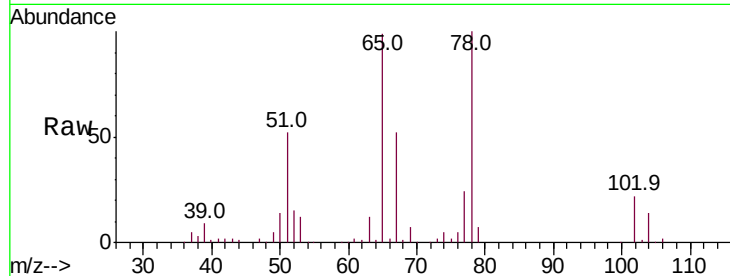
#33
 1,2-Dichloroethane-d4
 Concen: 50.731 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	109.2	

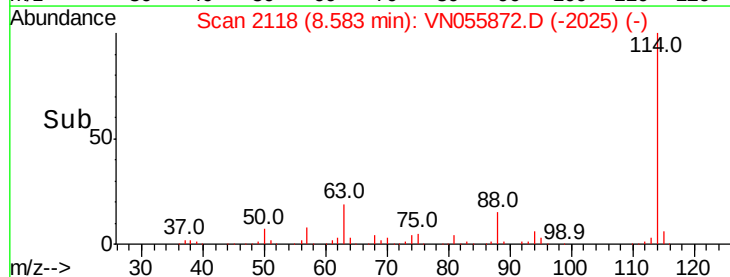
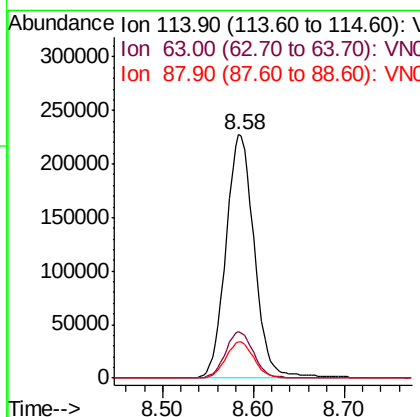
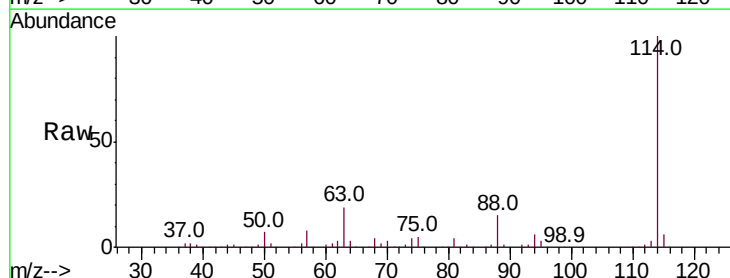
Manual Integrations
 APPROVED

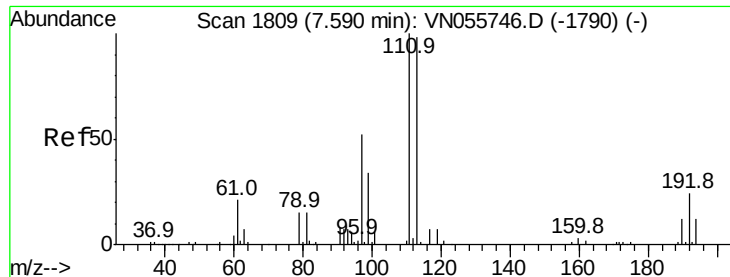
MMDadoda
 5/30/2019 9:35:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	39.2	
88	14.9	0.0	31.0	





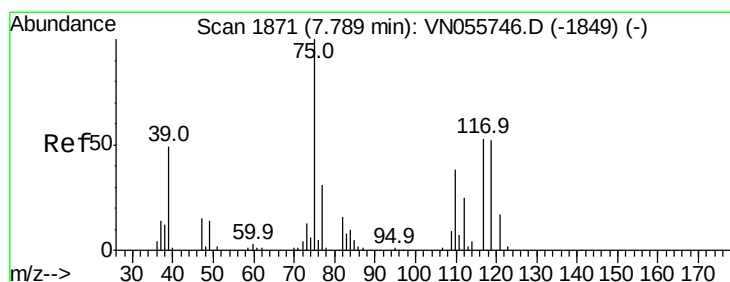
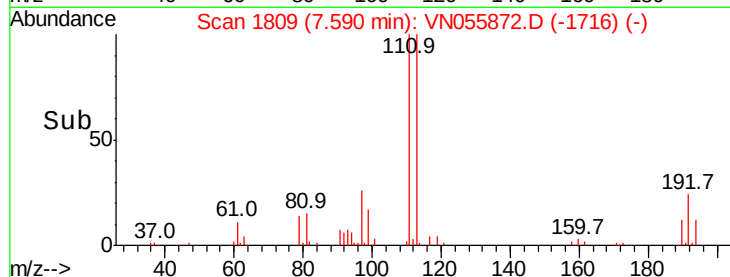
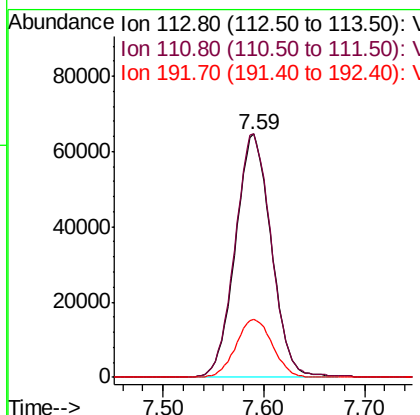
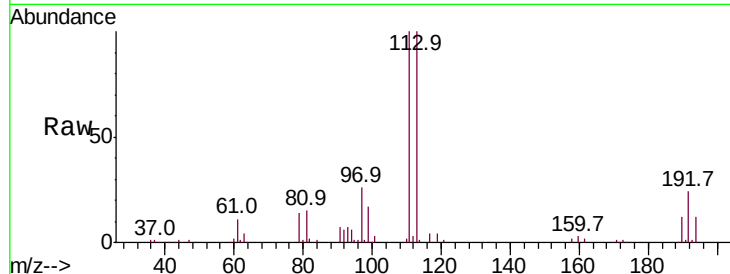
#35
 Dibromofluoromethane
 Concen: 51.056 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159199		
111	101.7	81.9	122.9	
192	24.3	19.5	29.3	

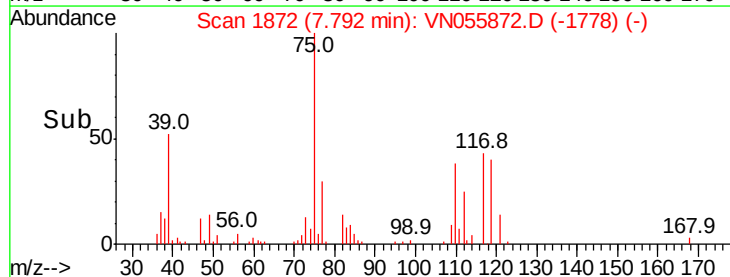
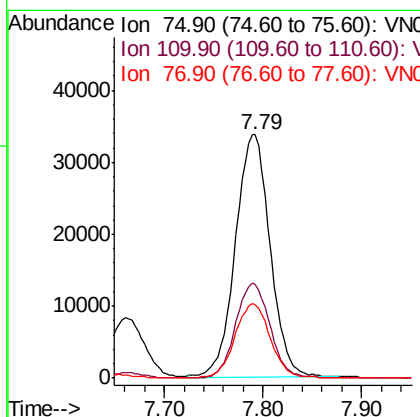
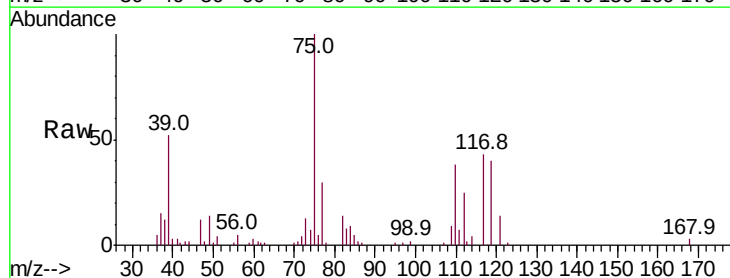
Manual Integrations
 APPROVED

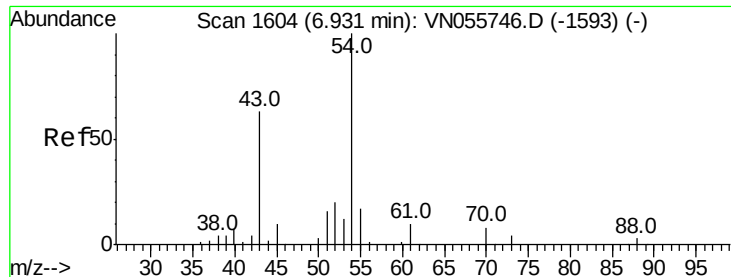
MMDadoda
 5/30/2019 9:35:05 AM



#36
 1,1-Dichloropropene
 Concen: 19.116 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82158		
110	38.7	19.0	57.0	
77	31.4	25.1	37.7	





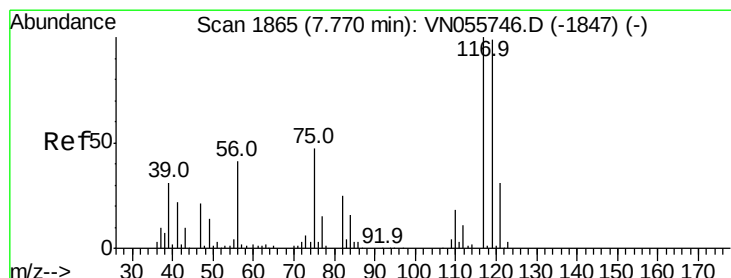
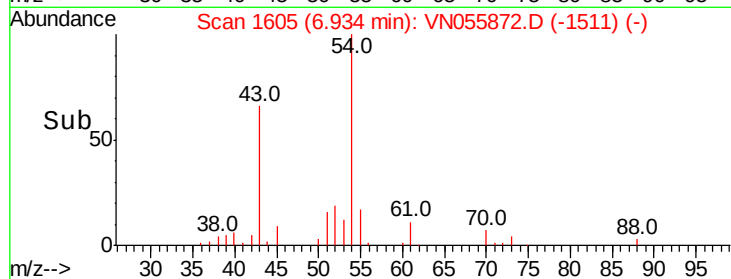
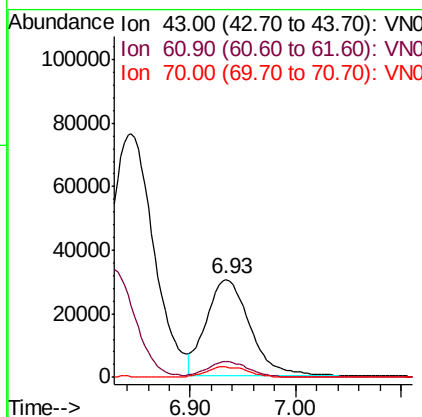
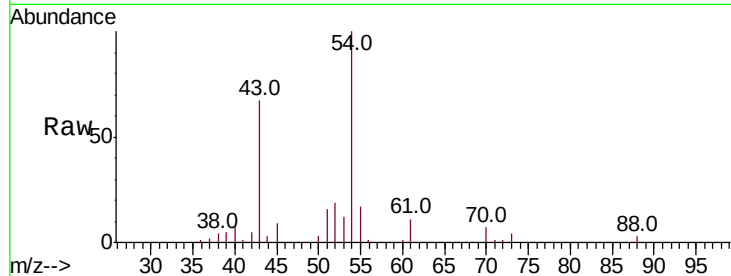
#37
Ethyl Acetate
Concen: 20.980 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion	43	61	70
Ratio	100	15.7	10.5
Lower		12.2	8.9
Upper		18.2	13.3

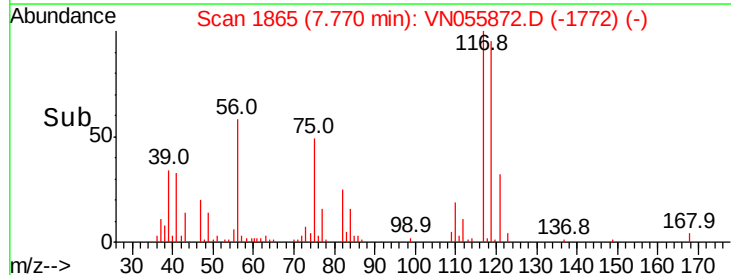
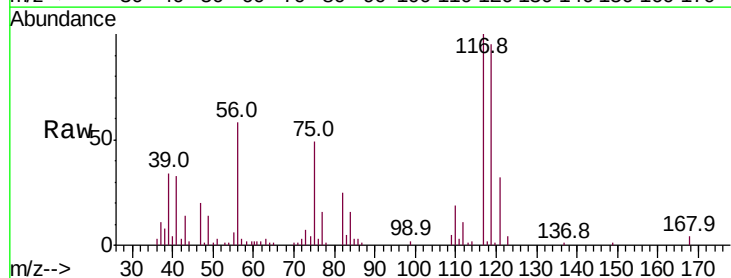
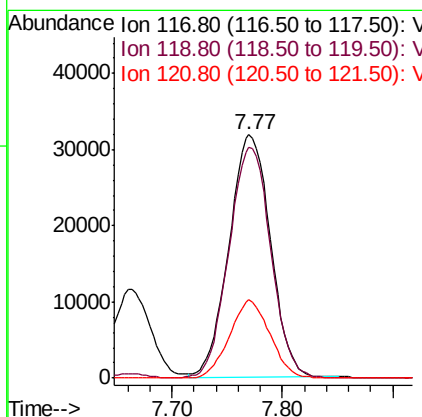
Manual Integrations
APPROVED

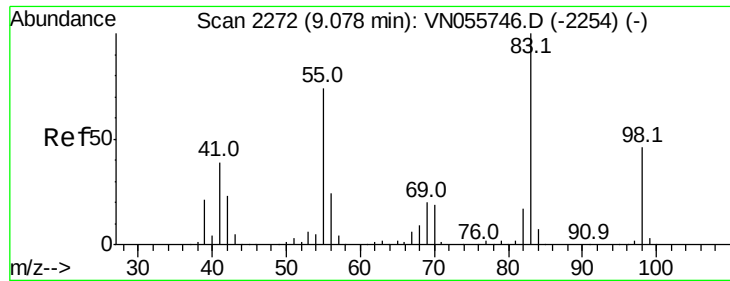
MMDadoda
5/30/2019 9:35:05 AM



#38
Carbon Tetrachloride
Concen: 18.553 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	117	119	121
Ratio	100	95.3	32.4
Lower		79.0	24.7
Upper		118.6	37.1





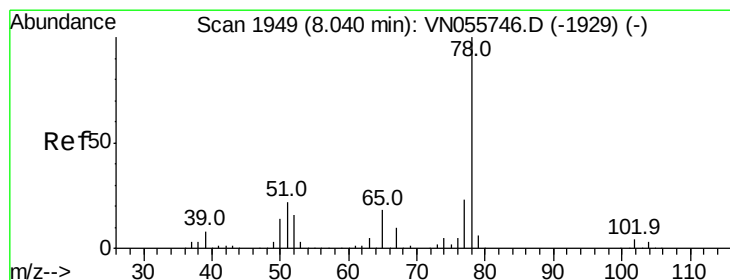
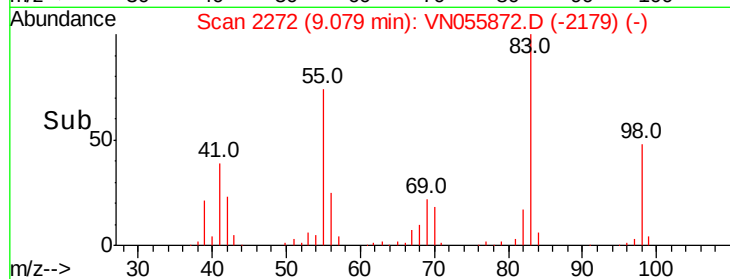
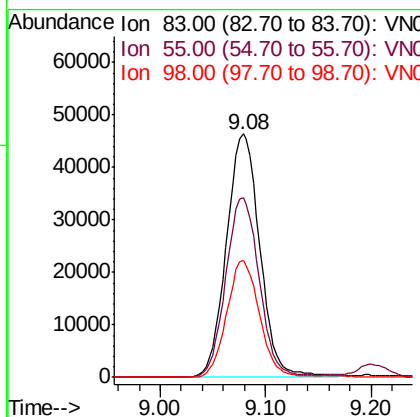
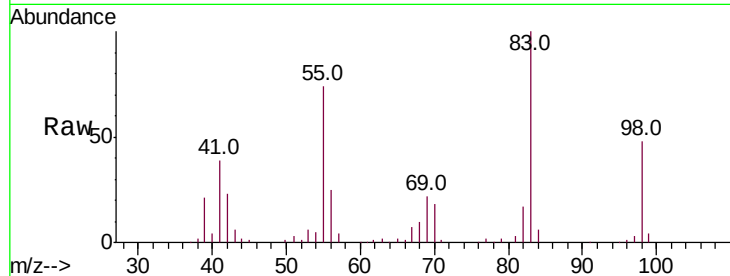
#39
Methylvlcyclohexane
Concen: 19.201 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion	83	Resp	102194
Ion Ratio	100	Lower	Upper
83	100		
55	74.0	59.3	88.9
98	48.1	36.6	54.8

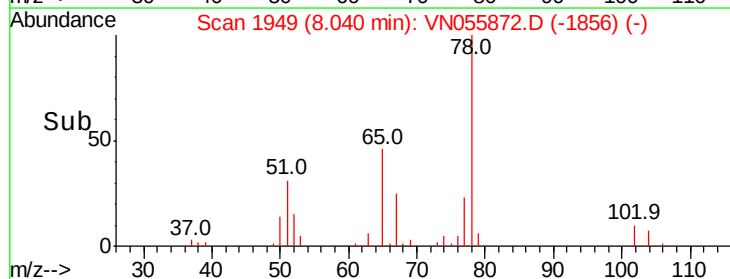
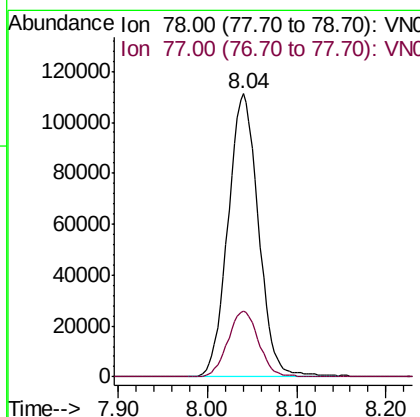
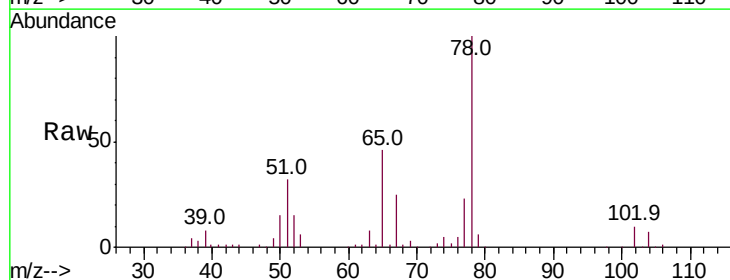
Manual Integrations
APPROVED

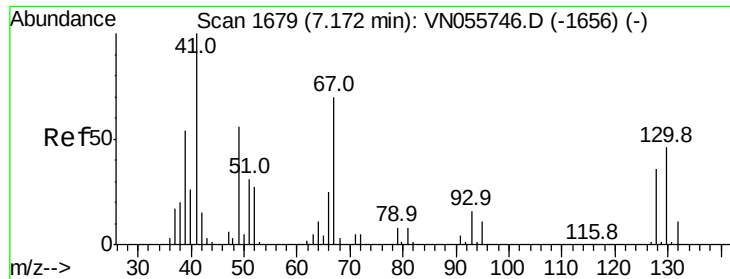
MMDadoda
5/30/2019 9:35:05 AM



#40
Benzene
Concen: 20.376 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	78	Resp	263936
Ion Ratio	100	Lower	Upper
78	100		
77	23.1	18.8	28.2





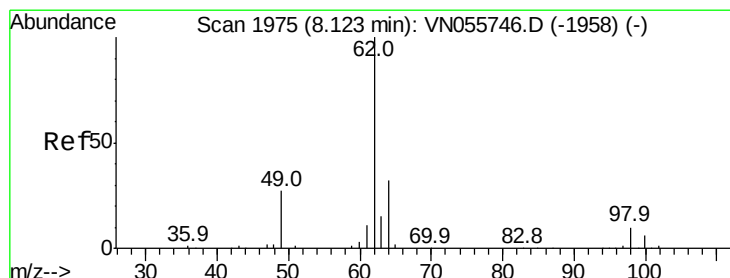
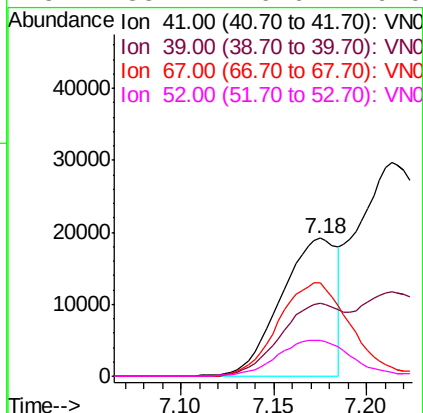
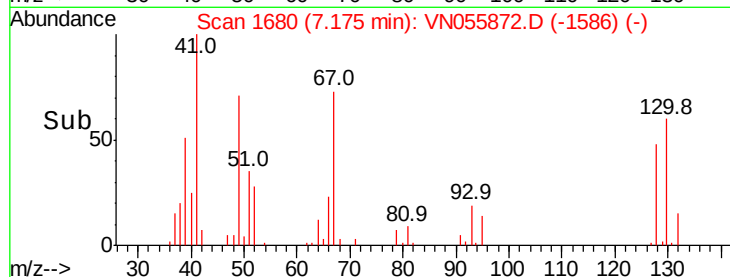
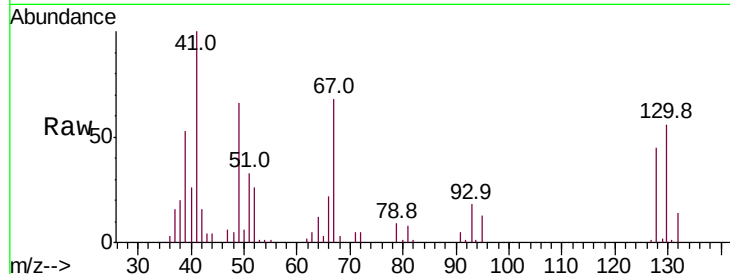
#41
Methacrylonitrile
Concen: 19.227 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion	41	Resp	40350
Ion	Ratio	Lower	Upper
41	100		
39	61.5	45.6	68.4
67	88.7	67.7	101.5
52	35.4	26.6	40.0

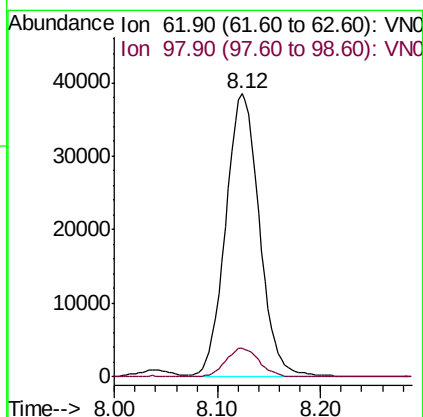
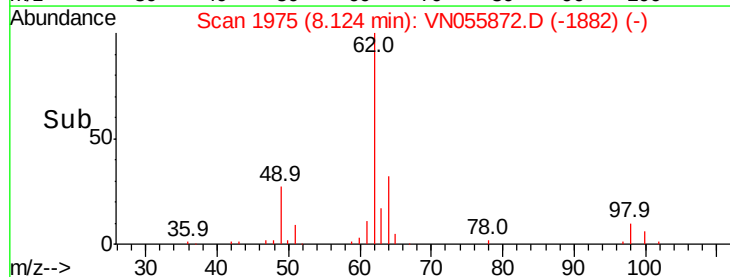
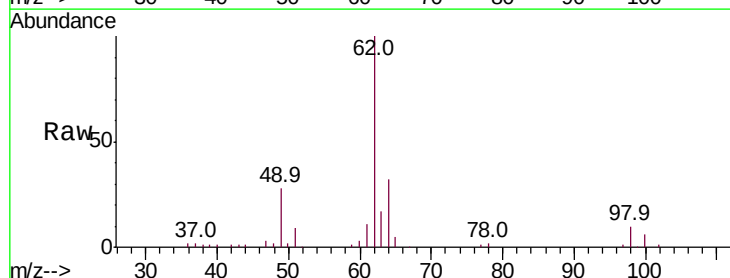
Manual Integrations
APPROVED

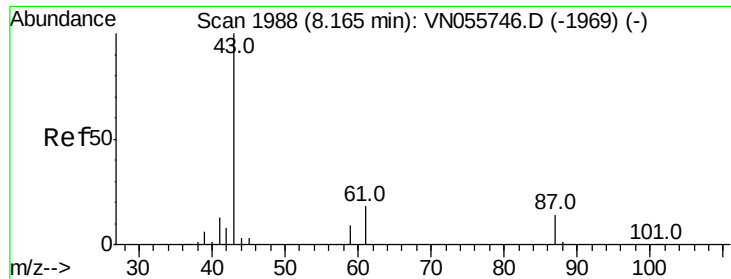
MMDadoda
5/30/2019 9:35:05 AM



#42
1,2-Dichloroethane
Concen: 20.772 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	62	Resp	87921
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.950 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

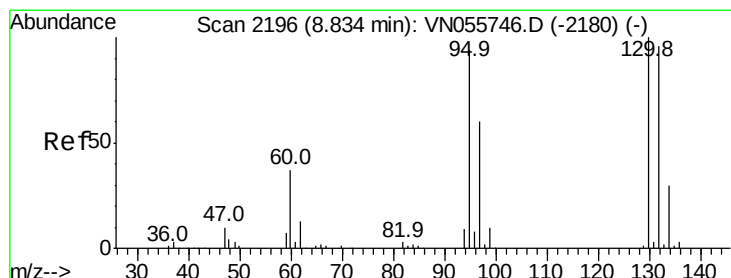
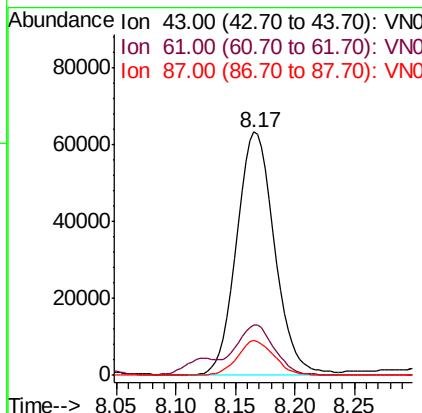
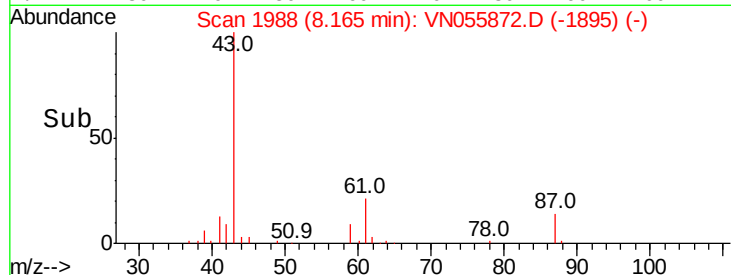
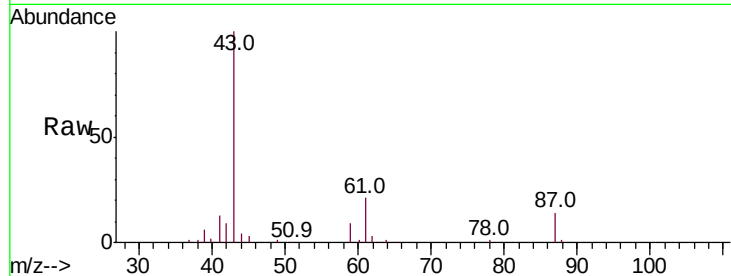
ClientSampleId :

VN0529MBSD01

Tot Ion:	43	Resp:	139240
Ion	Ratio	Lower	Upper
43	100		
61	21.4	22.2	33.4#
87	13.9	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
5/30/2019 9:35:05 AM



#44

Trichloroethene

Concen: 20.738 ug/l

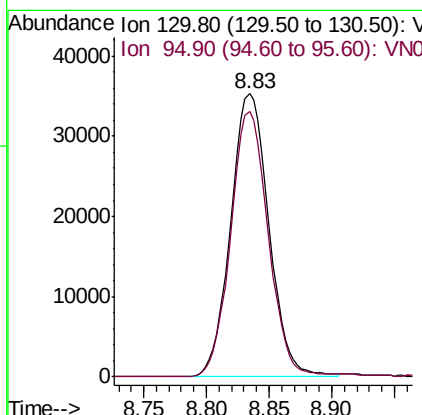
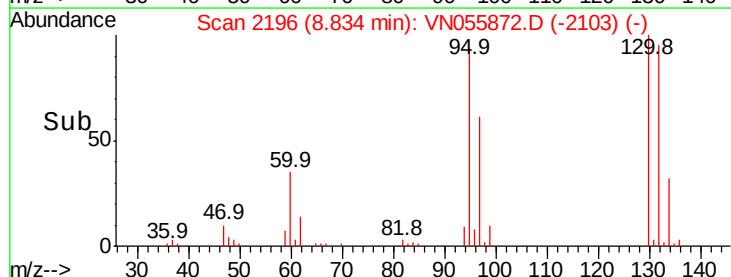
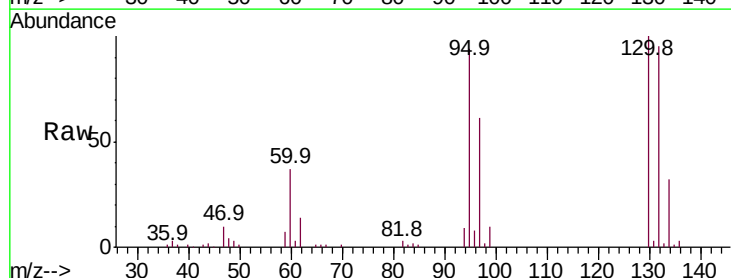
RT: 8.83 min Scan# 2196

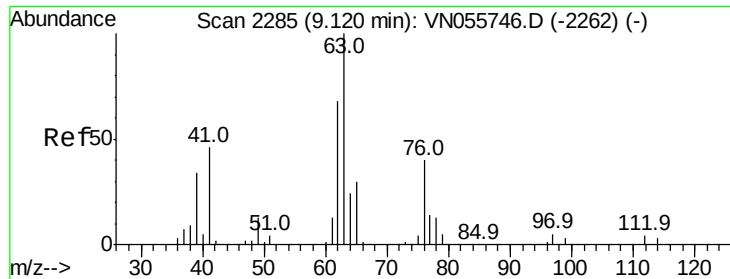
Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Tgt Ion:	130	Resp:	74886
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	188.0





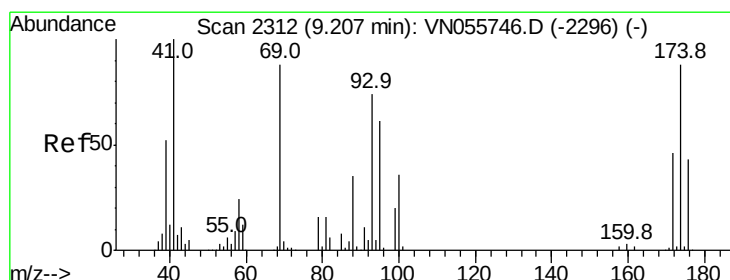
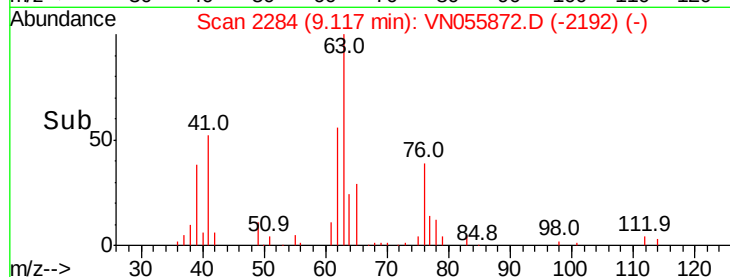
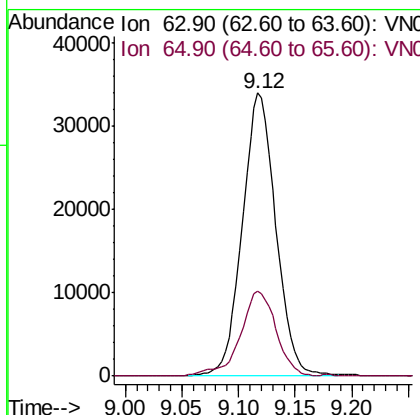
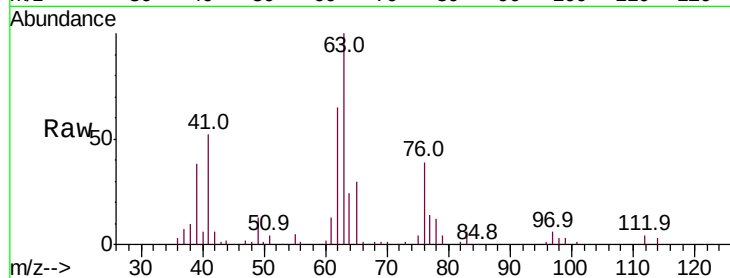
#45
 1,2-Dichloropropane
 Concen: 20.799 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	36.8

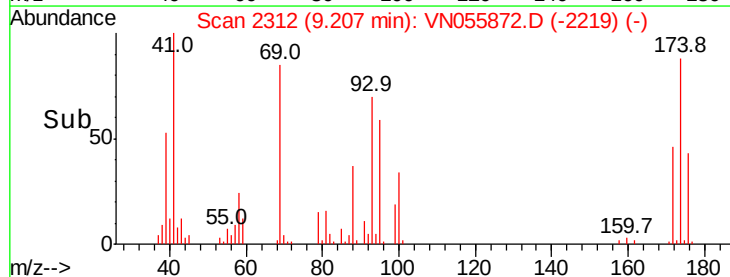
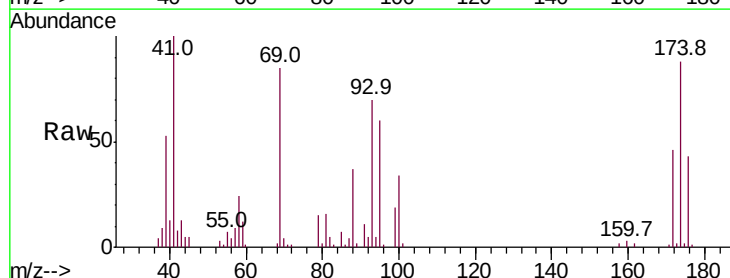
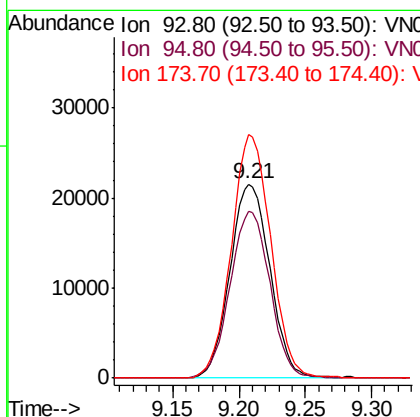
Manual Integrations
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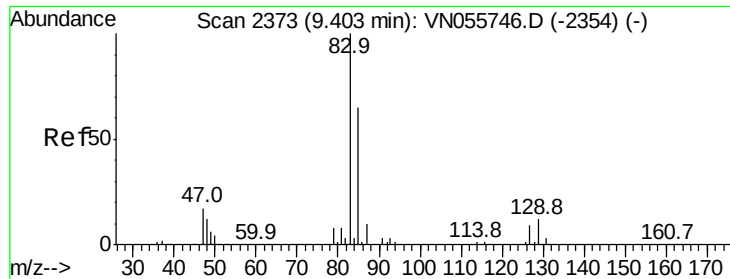
MMDadoda
 5/30/2019 9:35:05 AM



#46
 Dibromomethane
 Concen: 20.391 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.7	66.7	100.1
174	123.6	96.4	144.6





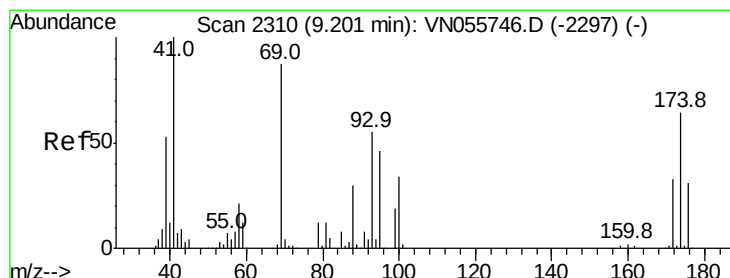
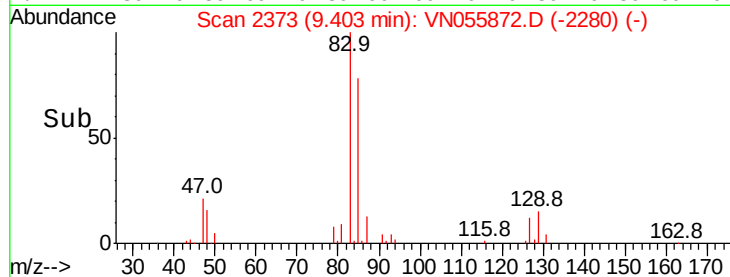
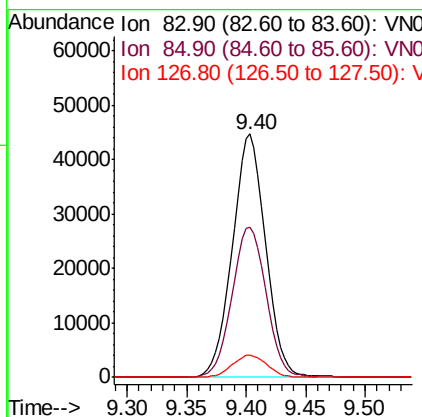
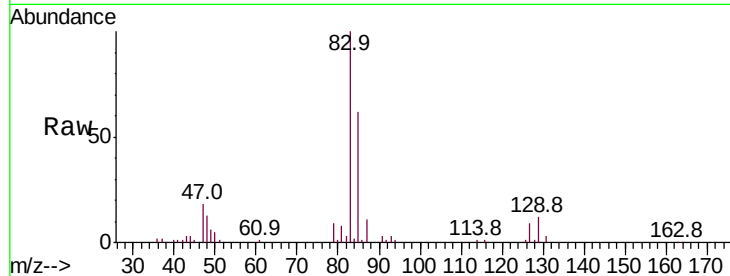
#47
Bromodichloromethane
Concen: 19.066 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion	83	Resp	86529
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	52.2	78.2
127	9.3	7.4	11.0

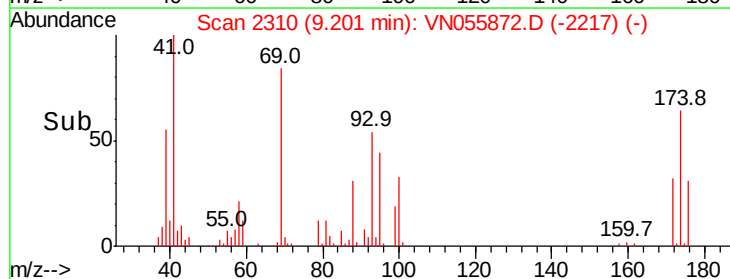
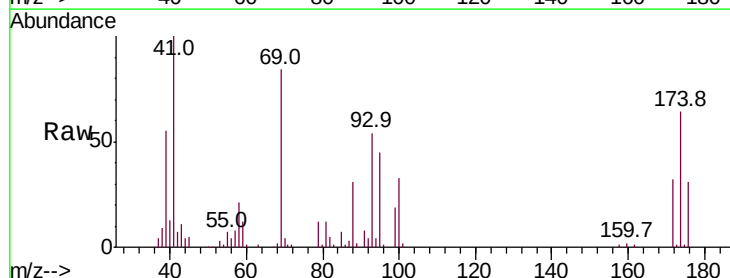
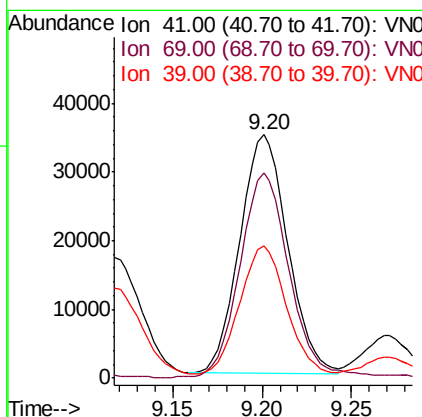
Manual Integrations
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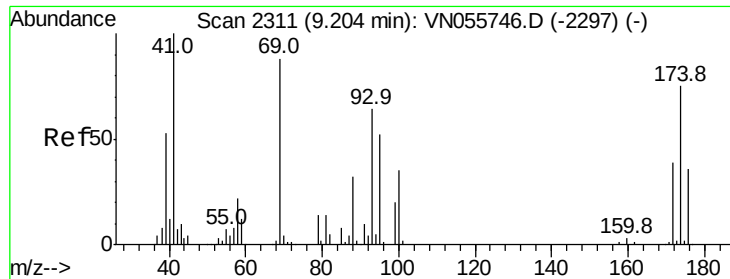
MMDadoda
5/30/2019 9:35:05 AM



#48
Methyl methacrylate
Concen: 20.360 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	41	Resp	65490
Ion Ratio	100	Lower	Upper
41	100		
69	89.6	71.0	106.6
39	55.3	44.2	66.2





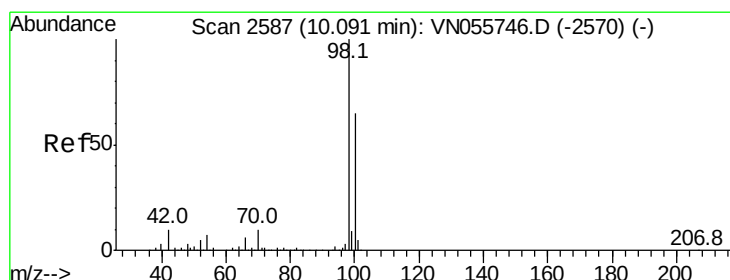
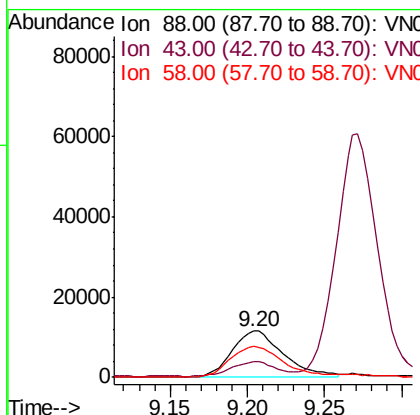
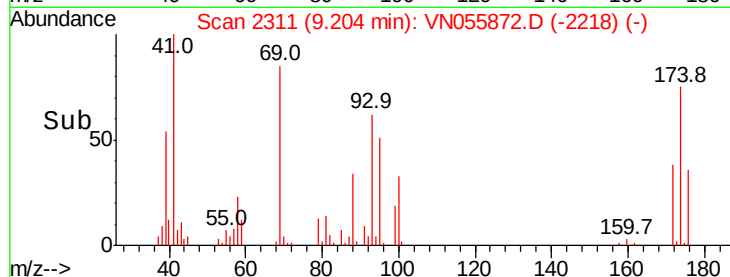
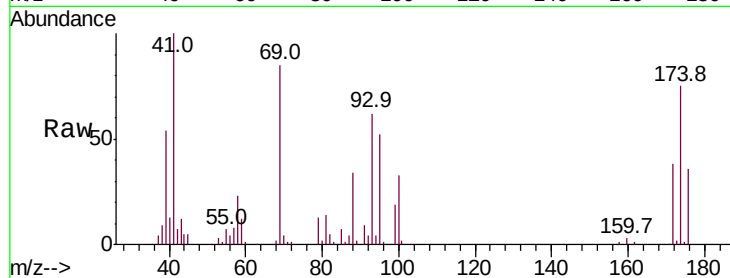
#49
 1,4-Dioxane
 Concen: 403.295 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion	88	Resp	26958
Ion	Ratio	Lower	Upper
88	100		
43	29.0	20.5	30.7
58	68.2	55.8	83.6

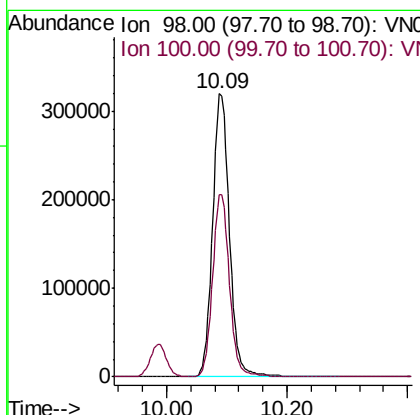
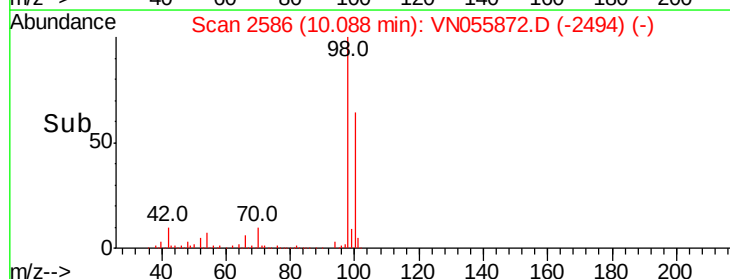
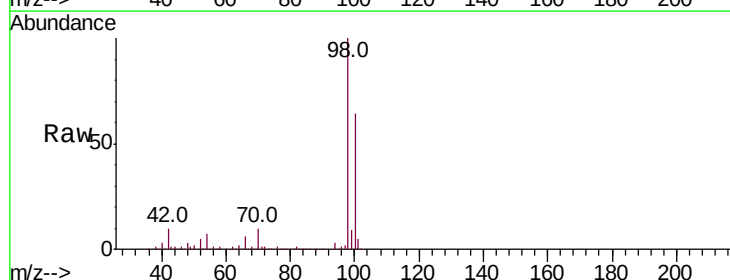
Manual Integrations
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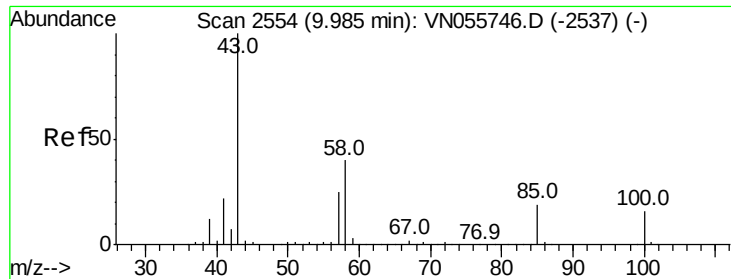
MMDadoda
 5/30/2019 9:35:05 AM



#50
 Toluene-d8
 Concen: 50.652 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion	98	Resp	605836
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 103.852 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleID :

VN0529MBSD01

Tot Ion: 43 Resp: 428084

Ion Ratio Lower Upper

43 100

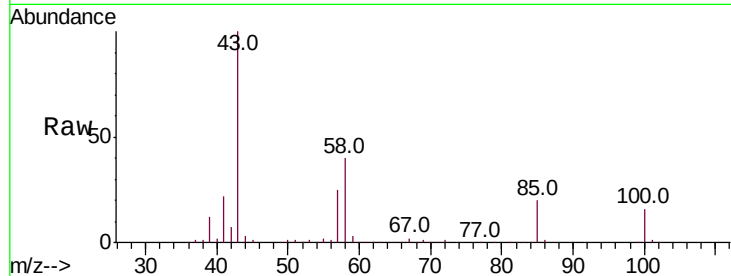
58 40.4 32.1 48.1

Manual Integrations

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MMDadoda

5/30/2019 9:35:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

0

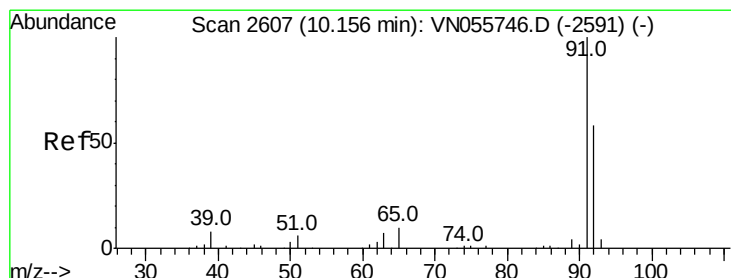
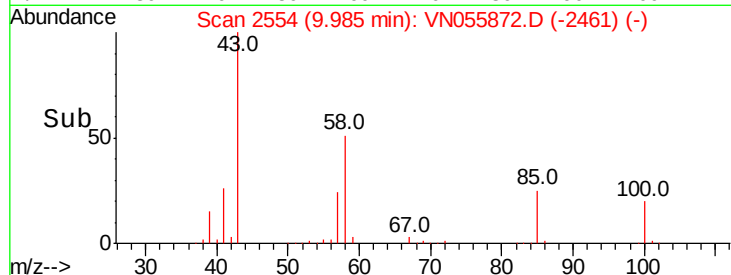
9.90

9.99

10.00

10.10

Time-->



#52

Toluene

Concen: 20.415 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055872.D

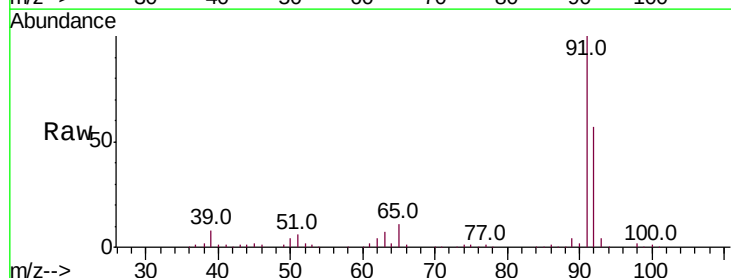
Acq: 29 May 2019 12:53

Tgt Ion: 92 Resp: 166315

Ion Ratio Lower Upper

92 100

91 175.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

0

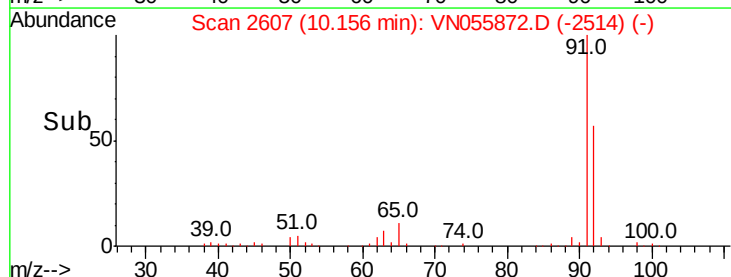
10.10

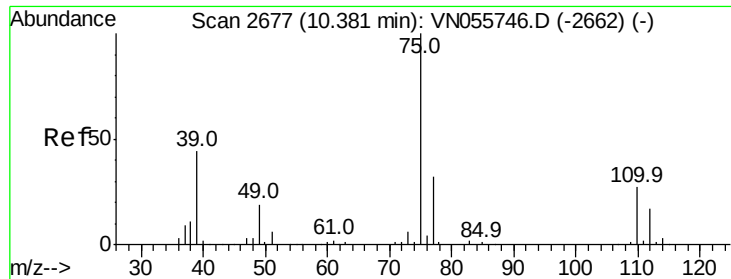
10.16

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.236 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion: 75 Resp: 88340

Ion Ratio Lower Upper

75 100

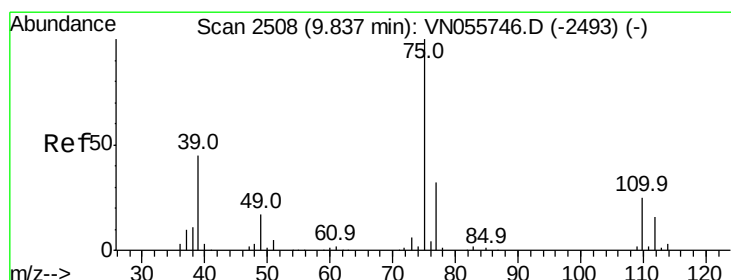
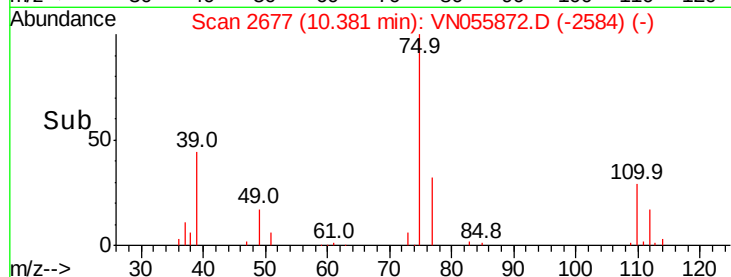
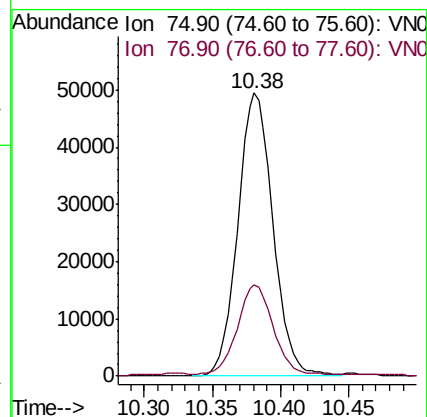
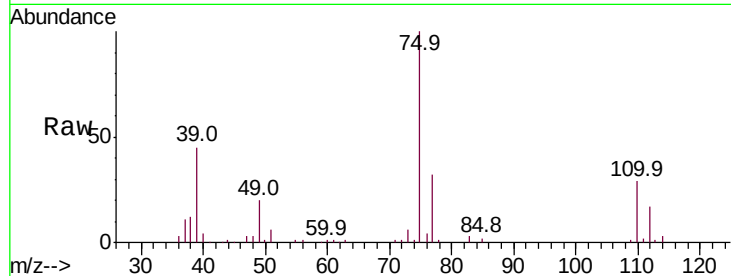
77 31.7 25.8 38.6

Manual Integrations

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MMDadoda

5/30/2019 9:35:05 AM



#54

cis-1,3-Dichloropropene

Concen: 19.277 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

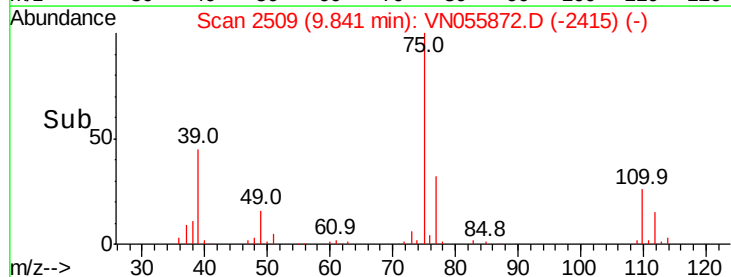
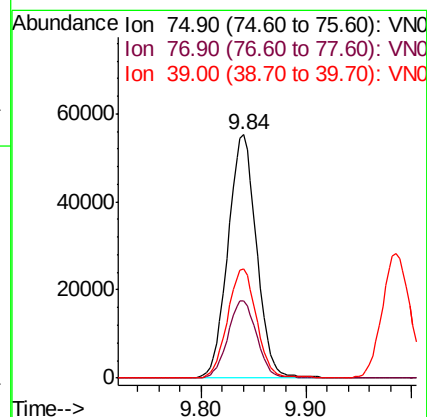
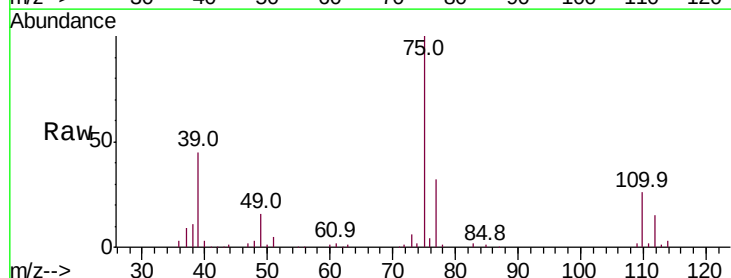
Tgt Ion: 75 Resp: 103450

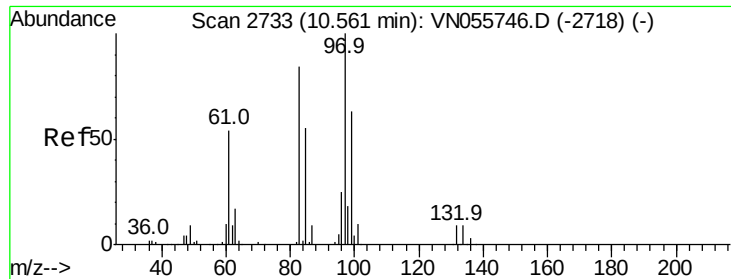
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 45.0 36.3 54.5





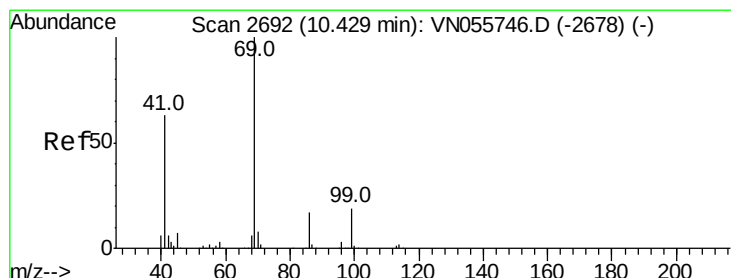
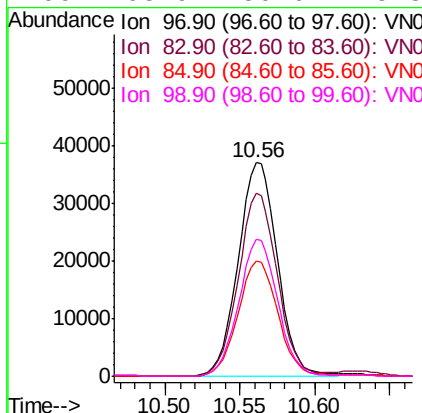
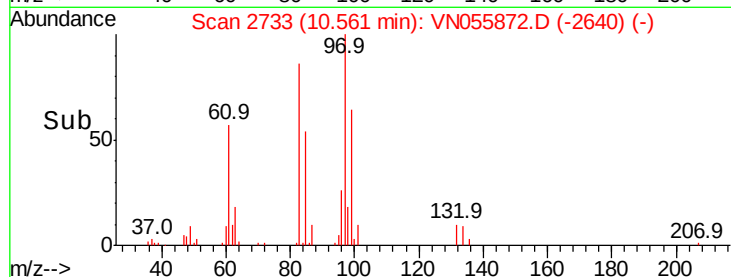
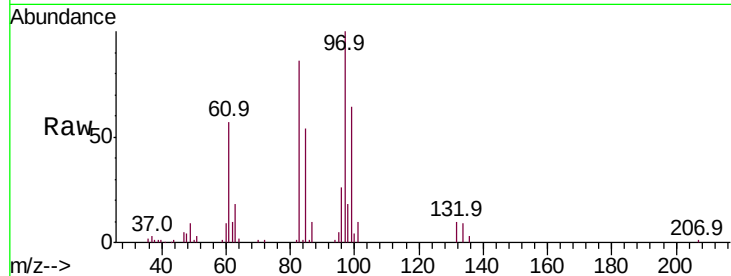
#55
 1,1,2-Trichloroethane
 Concen: 20.739 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion:	97	Resp:	67683
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.0	100.6
85	54.1	44.0	66.0
99	63.9	50.6	75.8

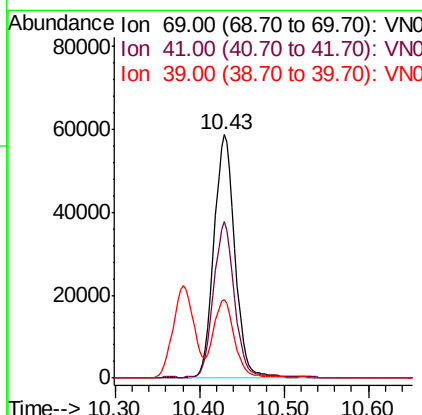
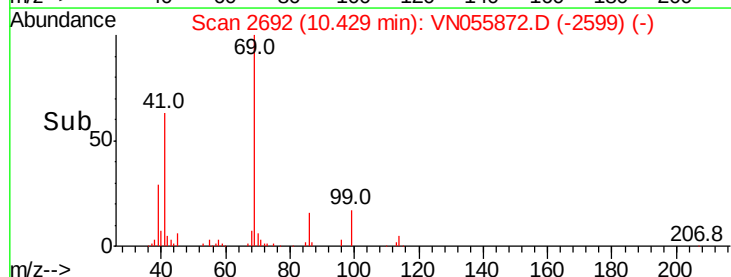
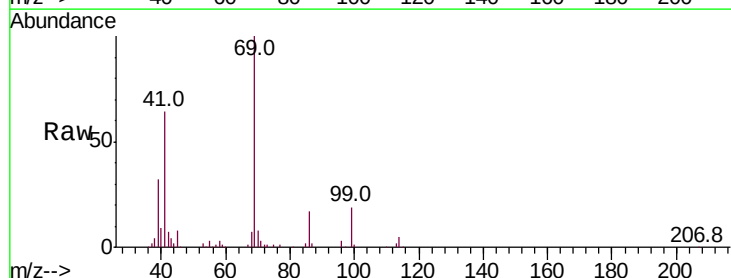
Manual Integrations
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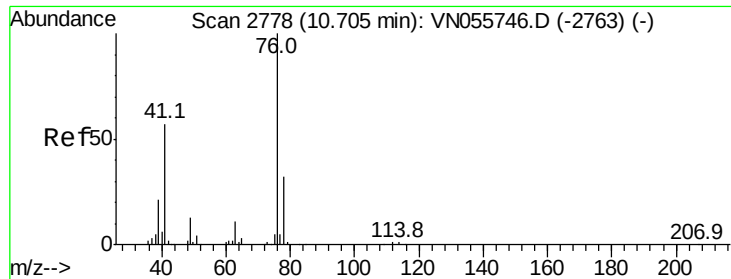
MMDadoda
 5/30/2019 9:35:05 AM



#56
 Ethyl methacrylate
 Concen: 20.225 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion:	69	Resp:	102011
Ion	Ratio	Lower	Upper
69	100		
41	62.7	49.7	74.5
39	31.7	24.7	37.1





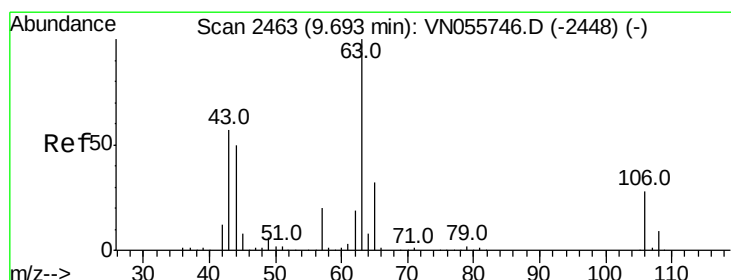
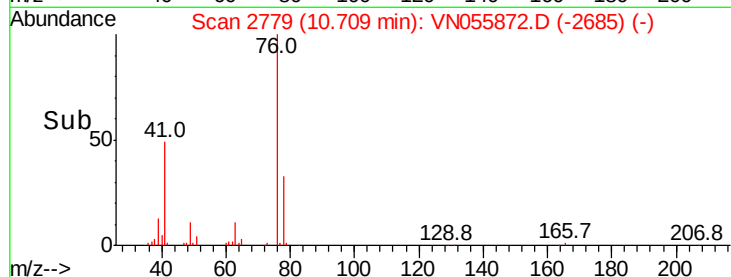
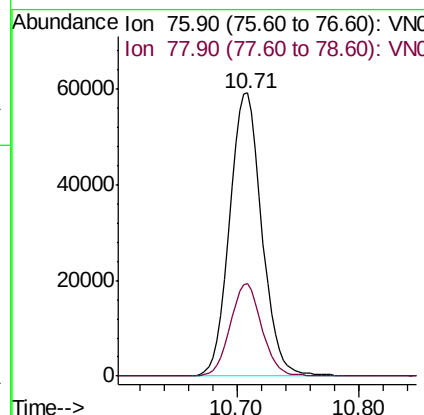
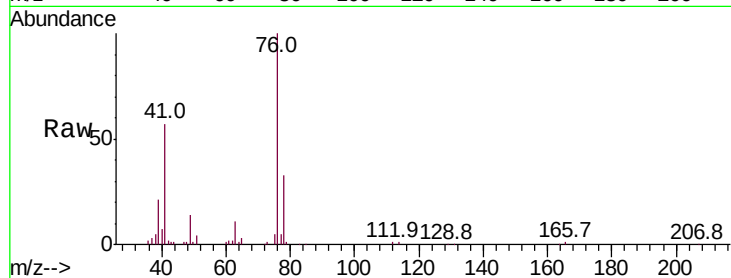
#57
 1,3-Dichloropropane
 Concen: 20.624 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

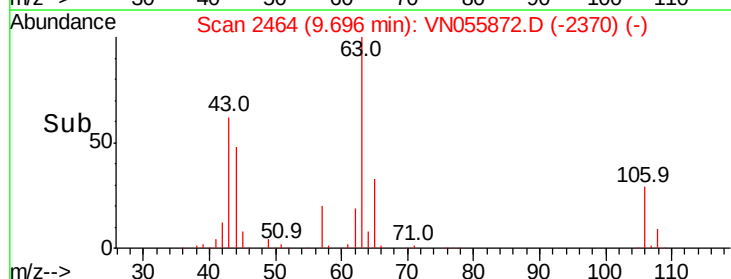
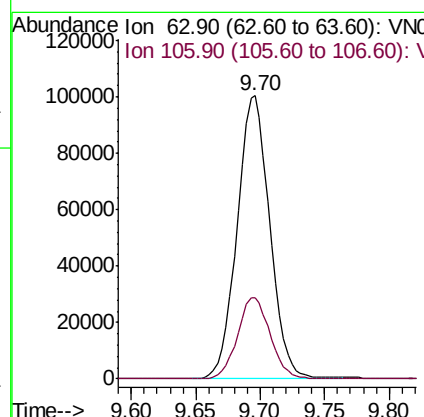
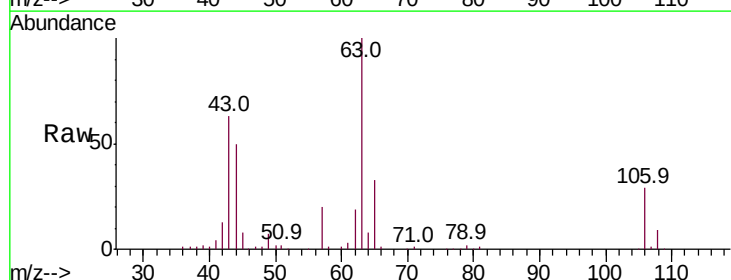
Manual Integrations
 APPROVED

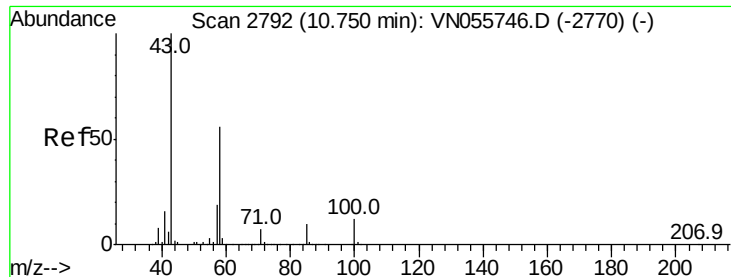
MMDadoda
 5/30/2019 9:35:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.680 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.7	34.1





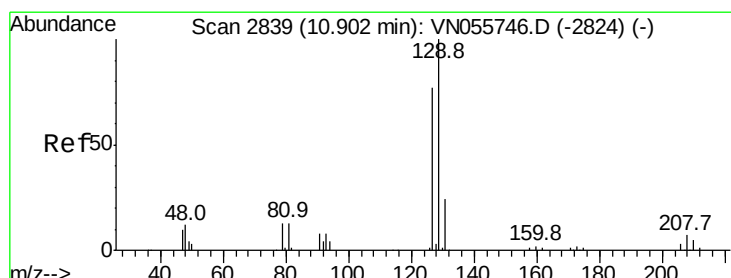
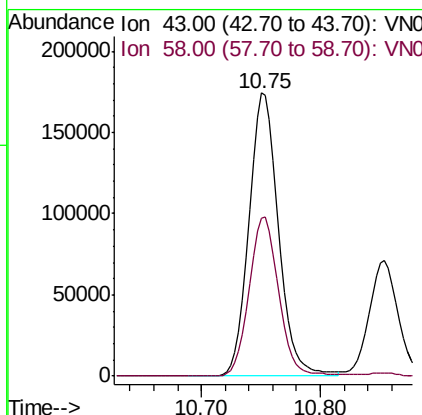
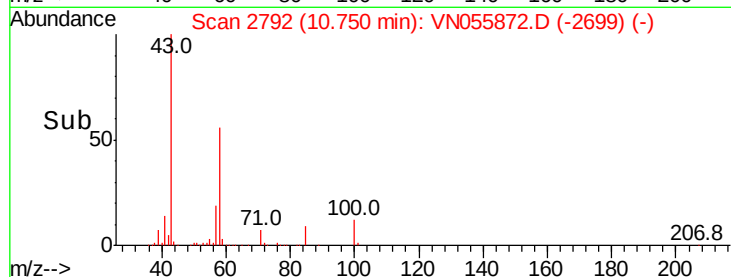
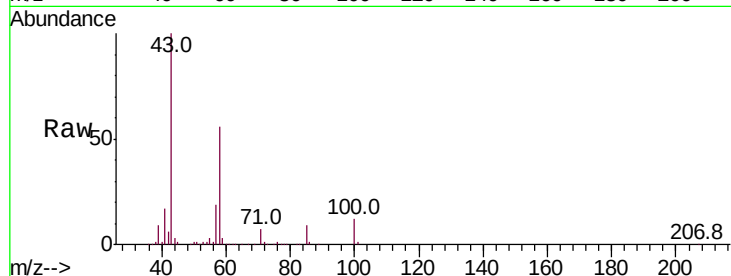
#59
2-Hexanone
Concen: 102.706 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion	43	58	Ratio	100	56.3	Resp	300333	Lower	28.2	Upper	84.7
Ion	43	58	Ratio	100	56.3	Resp	300333	Lower	28.2	Upper	84.7

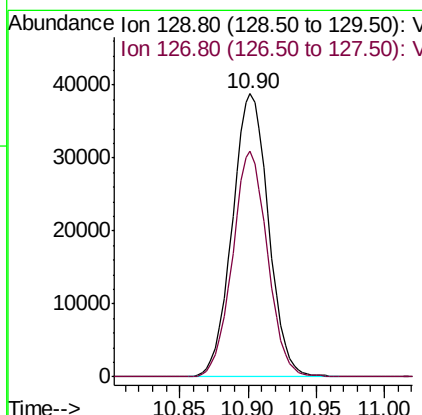
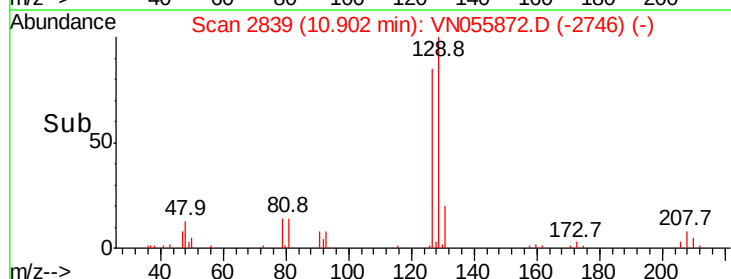
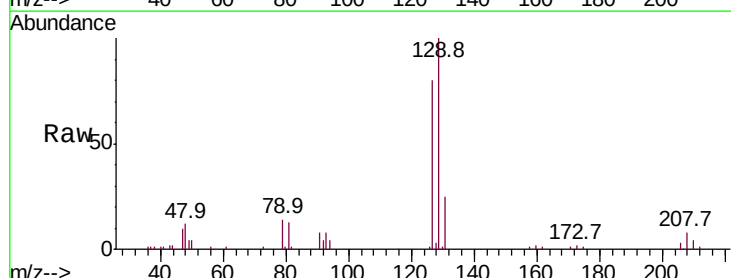
Manual Integrations
APPROVED

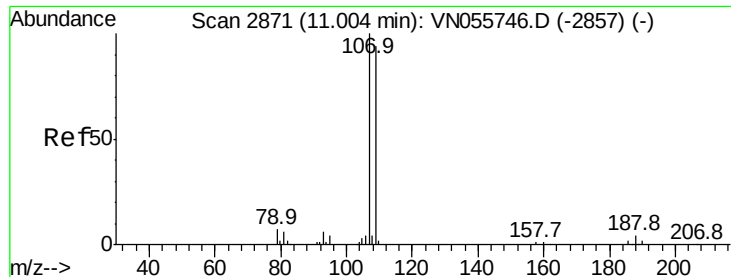
MMDadoda
5/30/2019 9:35:05 AM



#60
Dibromochloromethane
Concen: 18.766 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	129	127	Ratio	100	77.1	Resp	71346	Lower	38.1	Upper	114.3
Ion	129	127	Ratio	100	77.1	Resp	71346	Lower	38.1	Upper	114.3





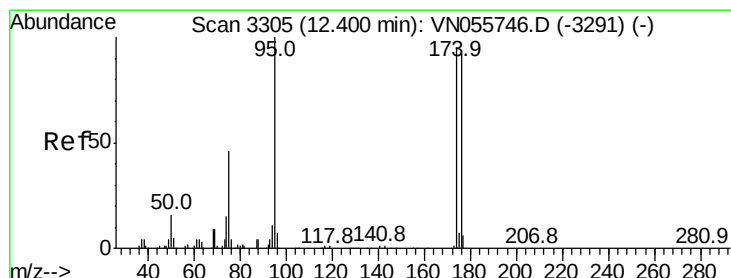
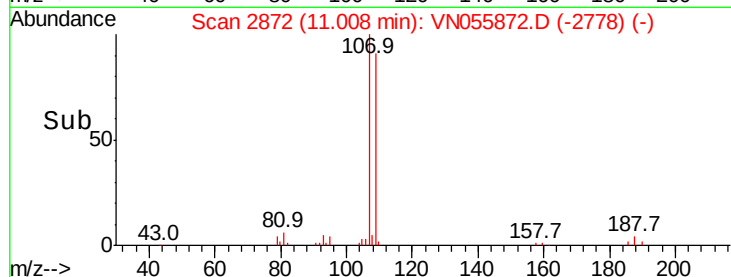
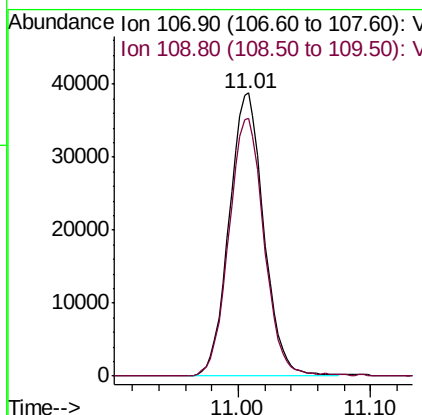
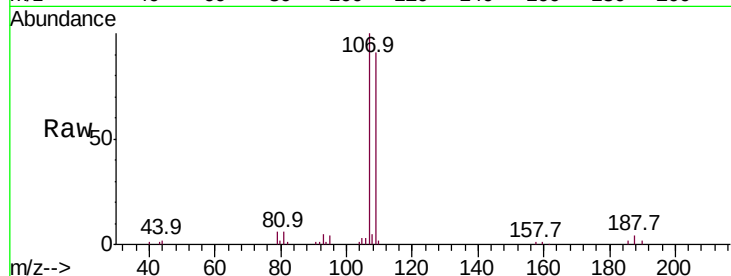
#61
 1,2-Dibromoethane
 Concen: 20.823 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.8	112.2

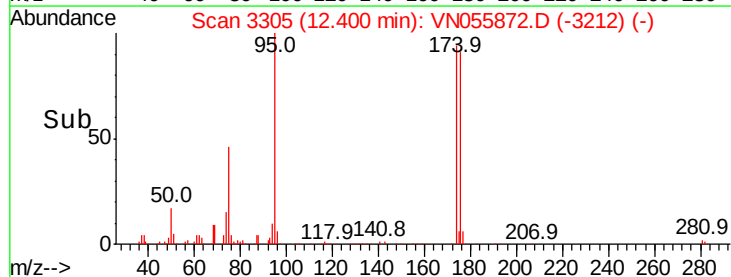
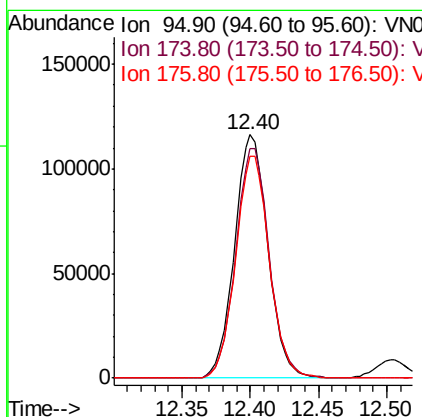
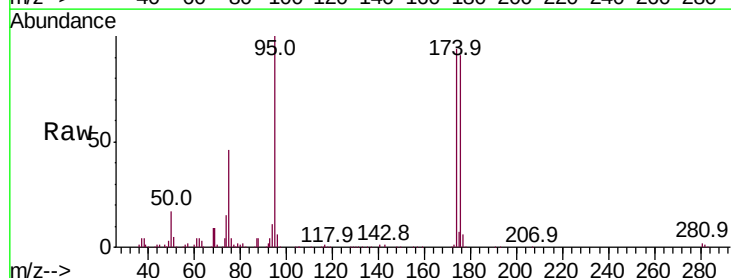
Manual Integrations
 APPROVED

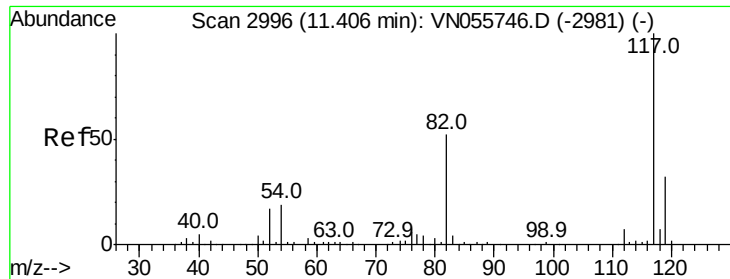
MMDadoda
 5/30/2019 9:35:05 AM



#62
 4-Bromofluorobenzene
 Concen: 48.202 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	191.0
176	92.0	0.0	185.2





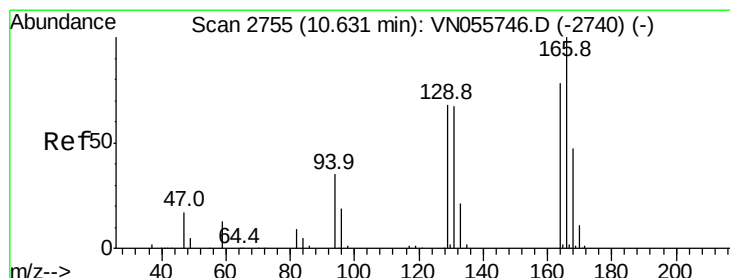
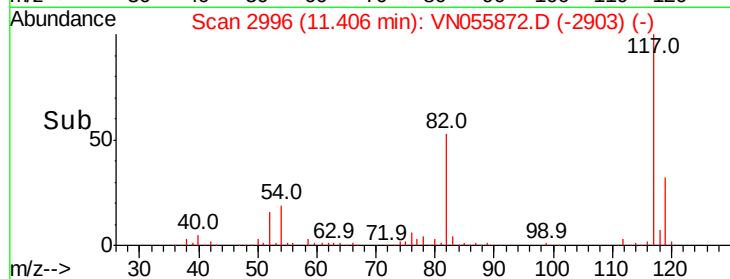
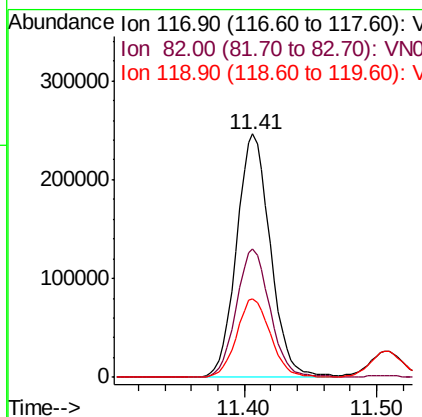
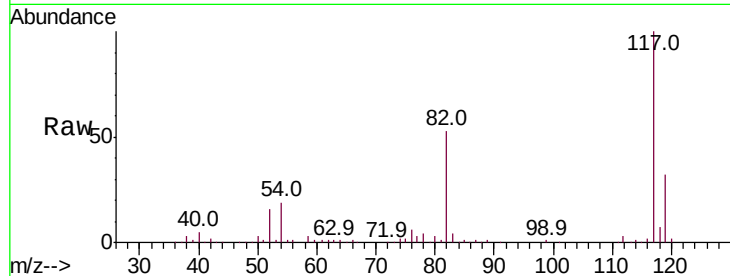
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampled :
VN0529MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.8
119	32.4	25.4	38.0

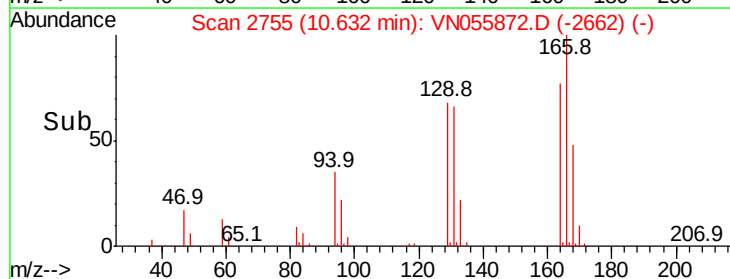
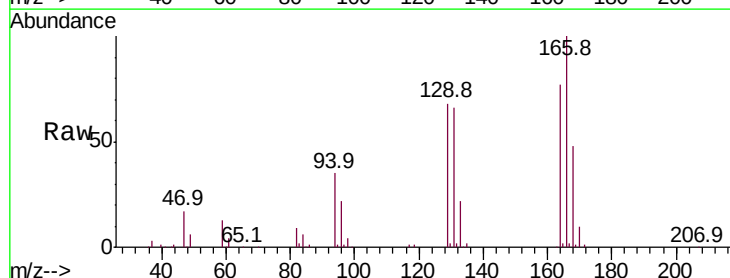
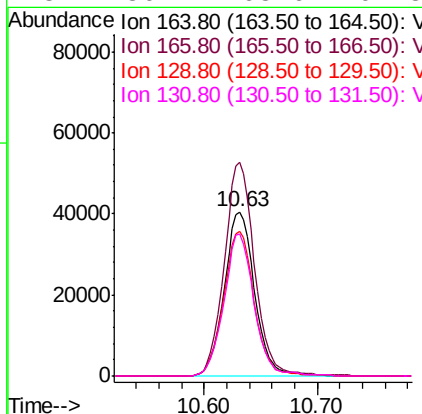
Manual Integrations
APPROVED

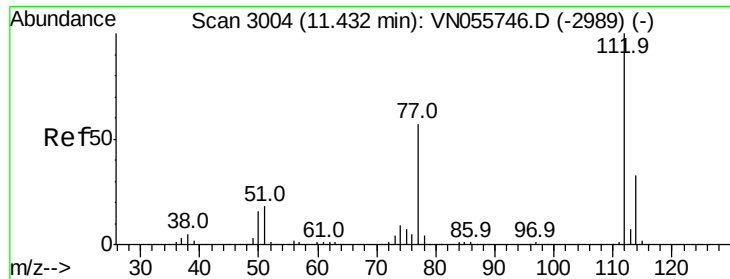
MMDadoda
5/30/2019 9:35:05 AM



#64
Tetrachloroethene
Concen: 20.588 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	103.0	154.6
129	88.6	70.6	105.8
131	86.4	68.6	102.8





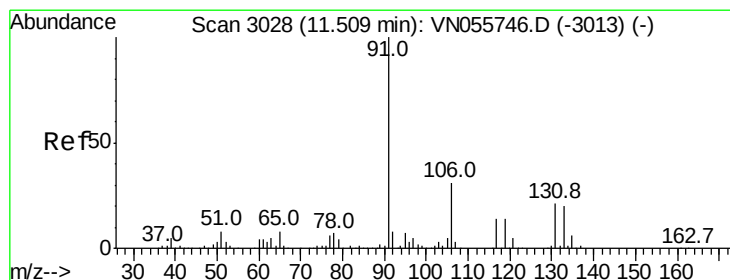
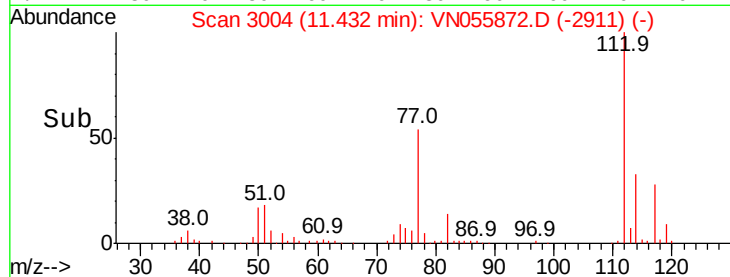
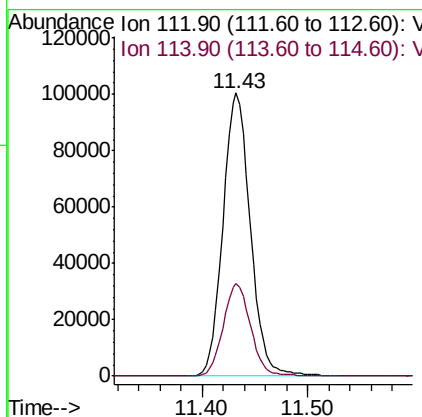
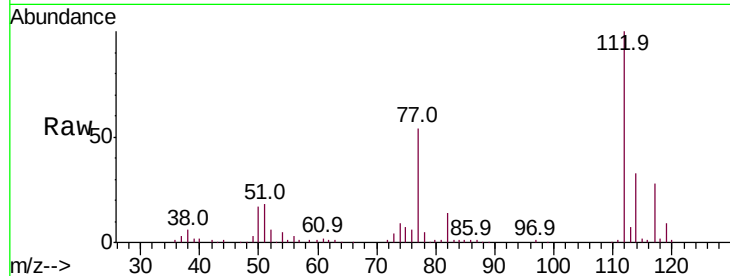
#65
Chlorobenzene
Concen: 20.684 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion:112 Resp: 180524
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.4

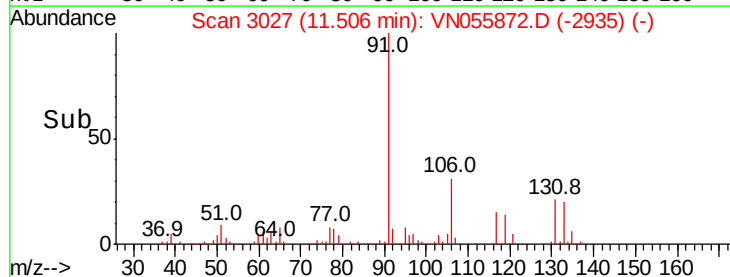
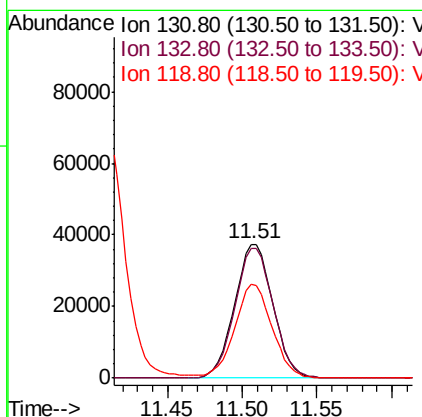
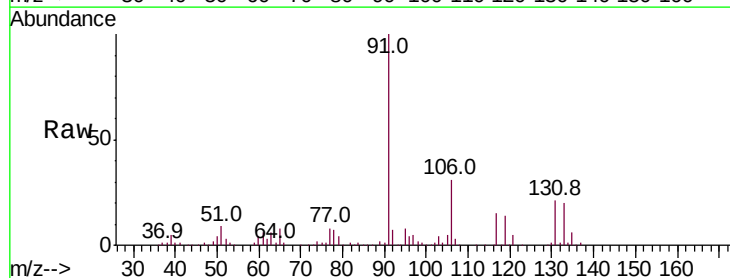
Manual Integrations
APPROVED

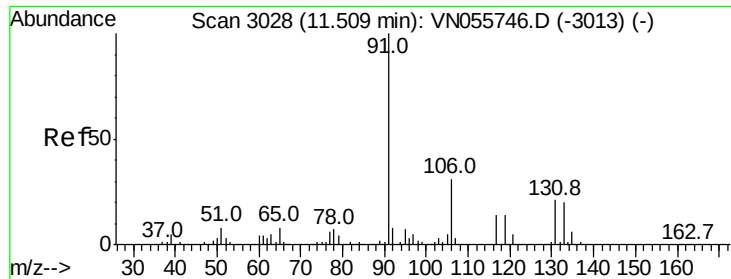
MMDadoda
5/30/2019 9:35:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.137 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion:131 Resp: 66615
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 68.8 33.1 99.5





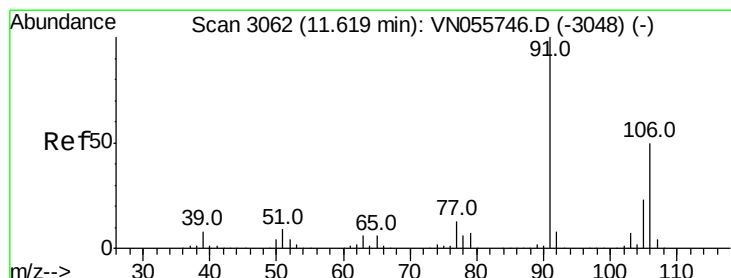
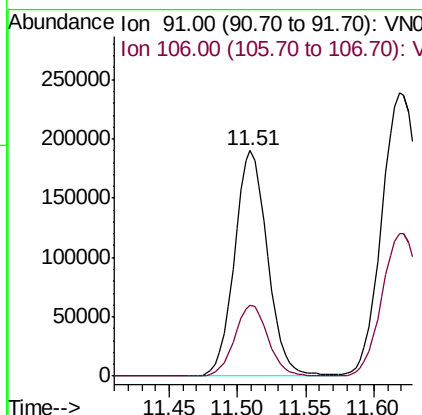
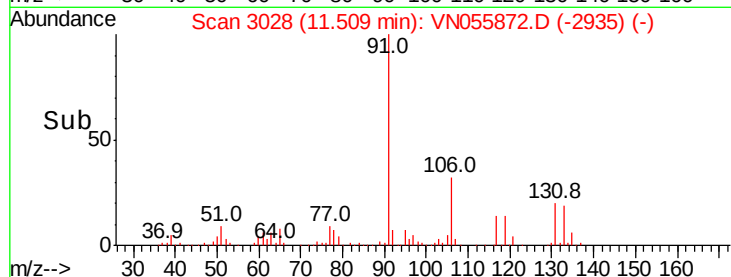
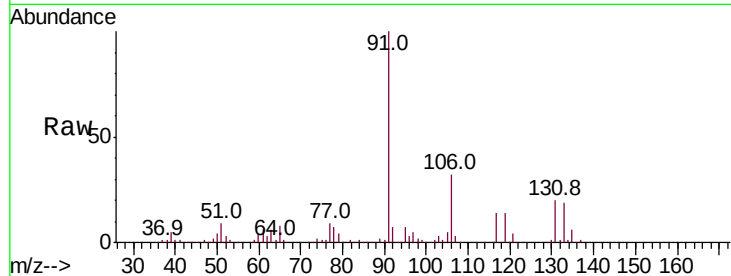
#67
Ethyl Benzene
Concen: 20.457 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampled :
VN0529MBSD01

Tot Ion: 91 Resp: 320181
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

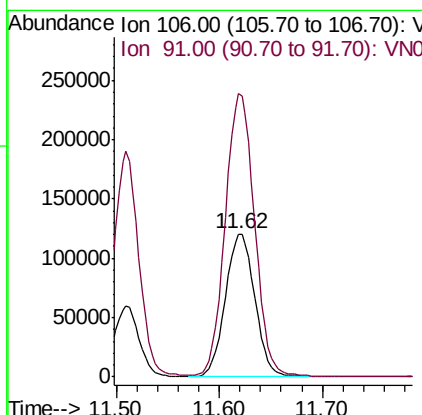
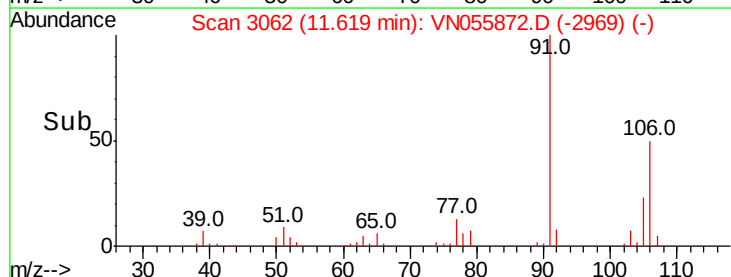
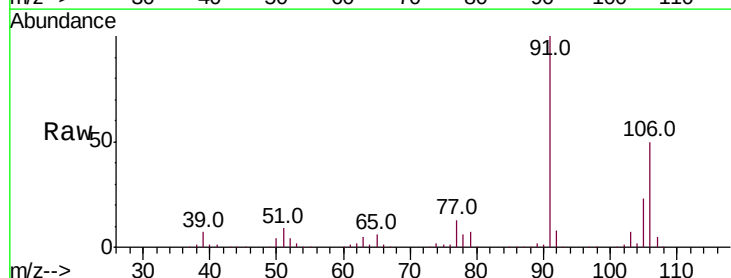
Manual Integrations
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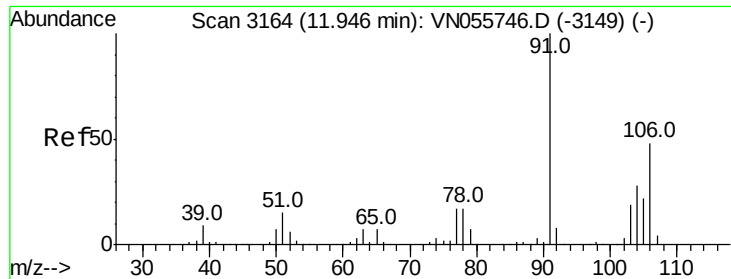
MMDadoda
5/30/2019 9:35:05 AM



#68
m/p-Xylenes
Concen: 40.592 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 106 Resp: 240181
Ion Ratio Lower Upper
106 100
91 197.7 159.3 238.9





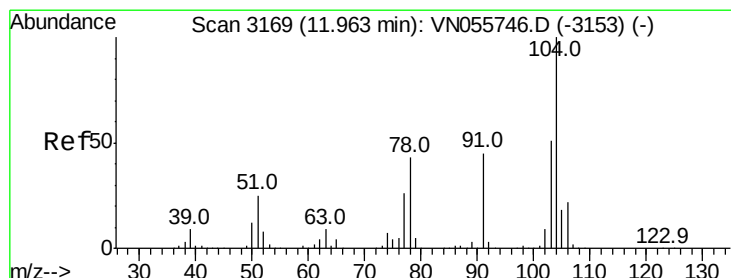
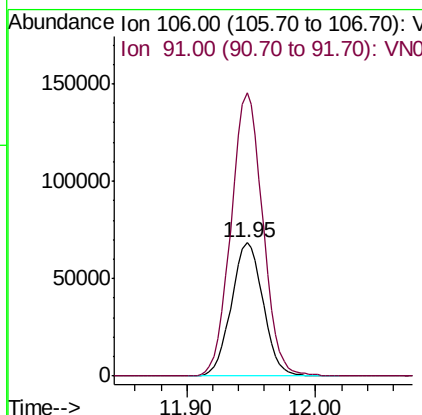
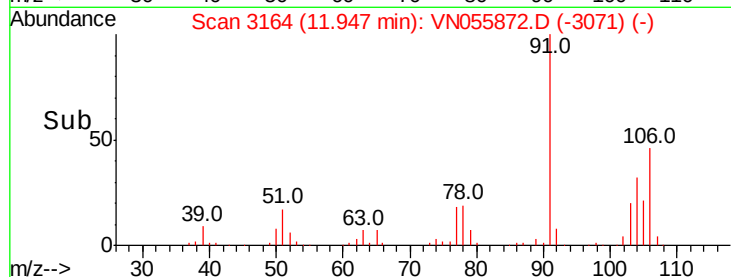
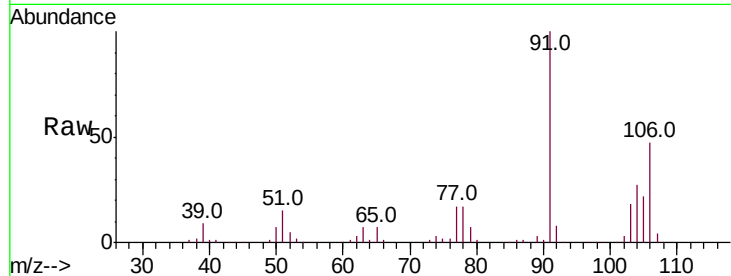
#69
o-Xylene
Concen: 20.034 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion:106 Resp: 117611
Ion Ratio Lower Upper
106 100
91 211.0 104.7 314.1

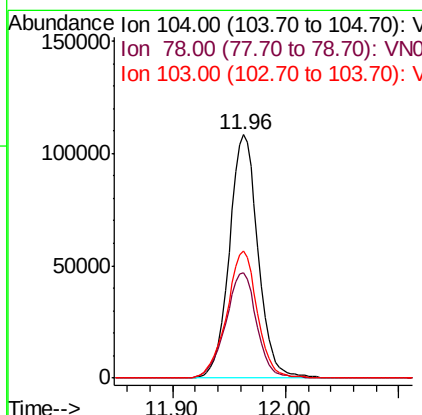
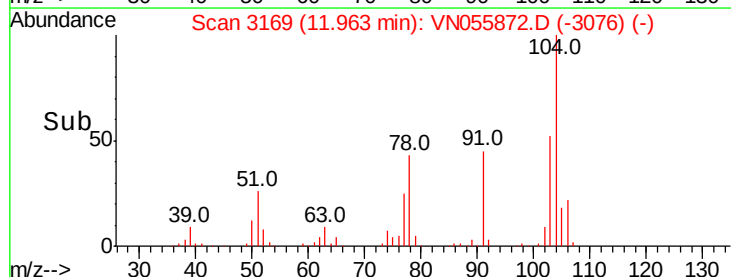
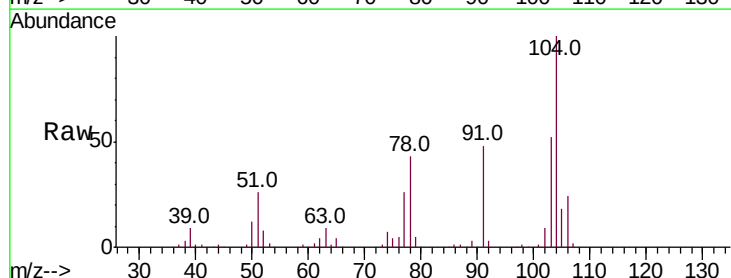
Manual Integrations
APPROVED

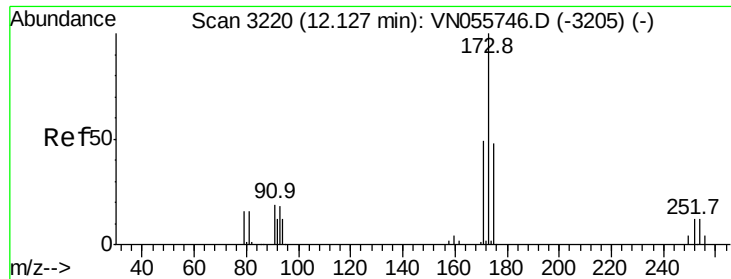
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#70
Styrene
Concen: 20.081 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion:104 Resp: 190907
Ion Ratio Lower Upper
104 100
78 46.9 37.8 56.6
103 55.8 44.2 66.2





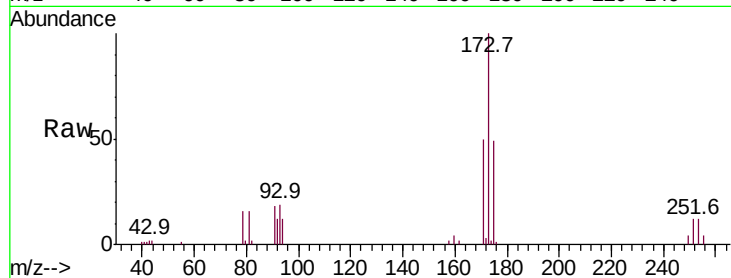
#71
Bromoform
Concen: 17.407 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0

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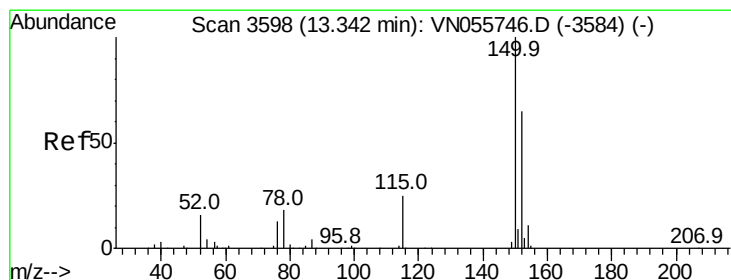
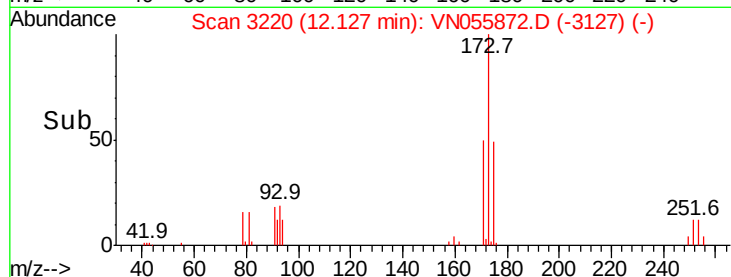
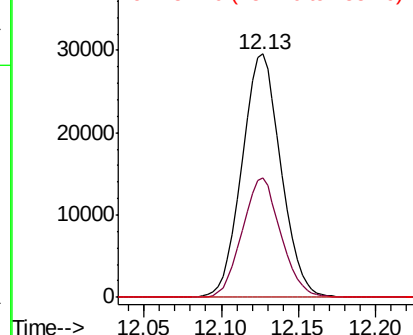


Abundance

Ion 172.70 (172.40 to 173.40): V

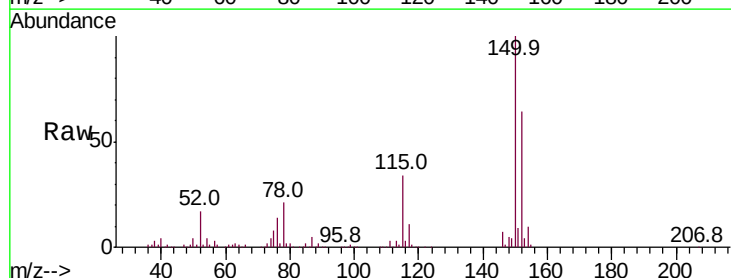
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	27.0	81.0
150	161.2	0.0	343.2

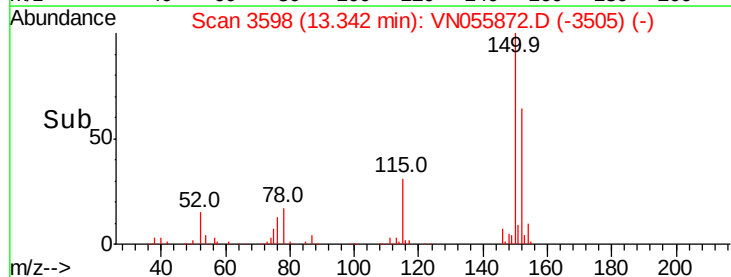
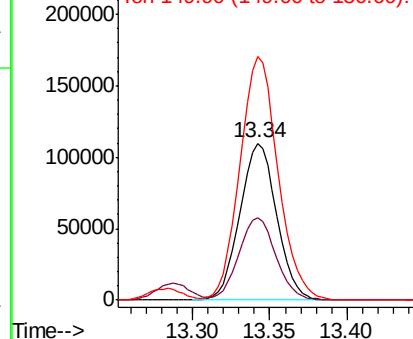


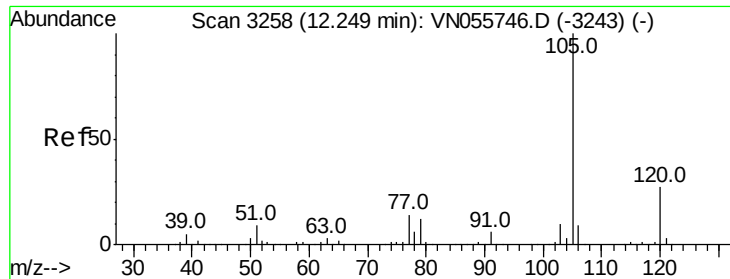
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.298 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion:105 Resp: 318834

Ion Ratio Lower Upper

105 100

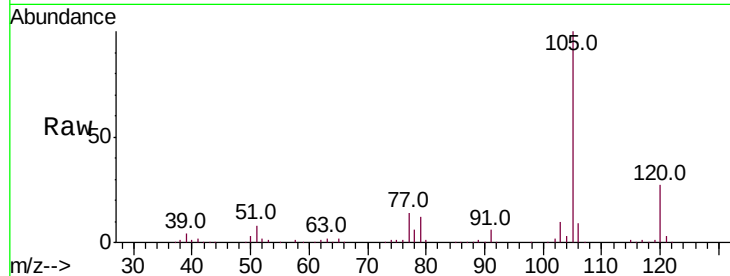
120 26.7 13.6 40.7

Manual Integrations

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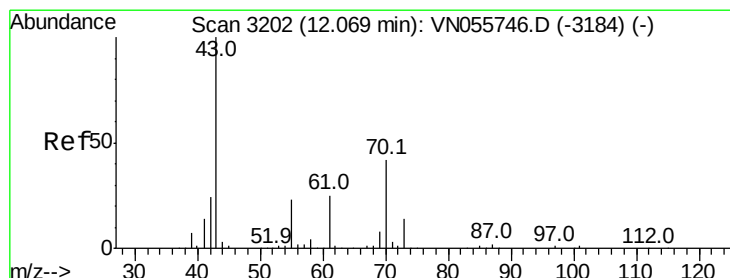
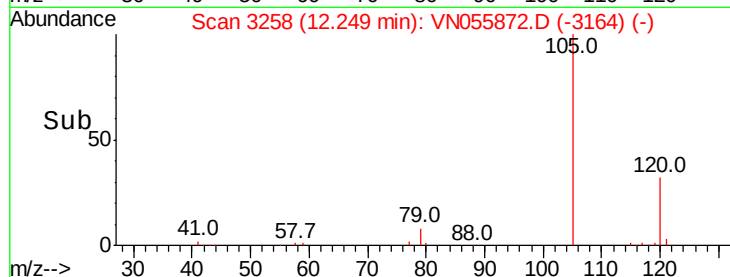
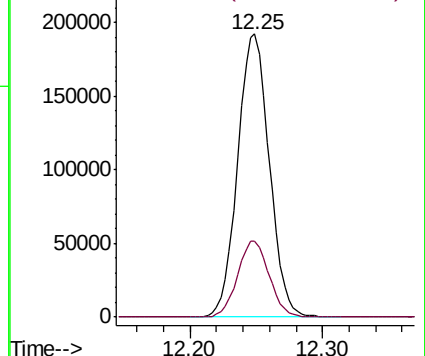
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.154 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Tgt Ion: 43 Resp: 110307

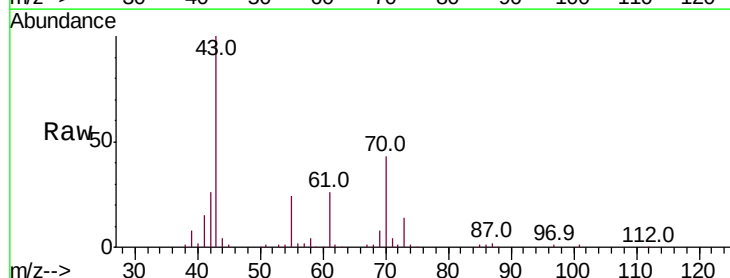
Ion Ratio Lower Upper

43 100

70 42.4 34.0 51.0

55 24.3 18.6 28.0

61 25.3 20.0 30.0

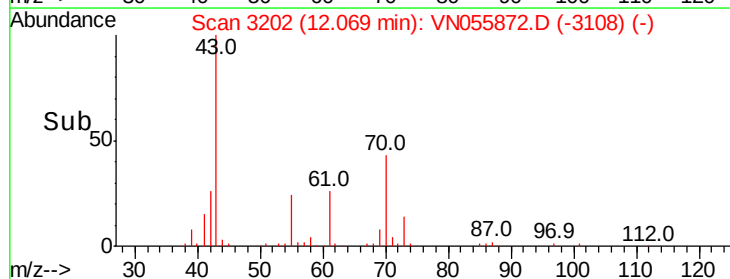
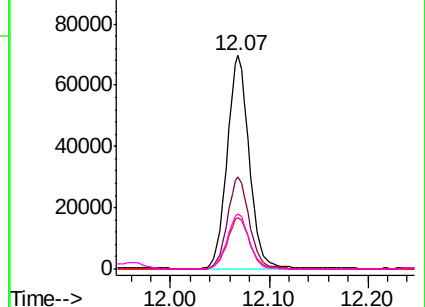


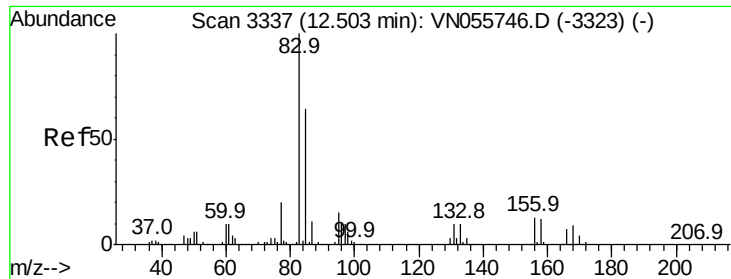
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.948 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

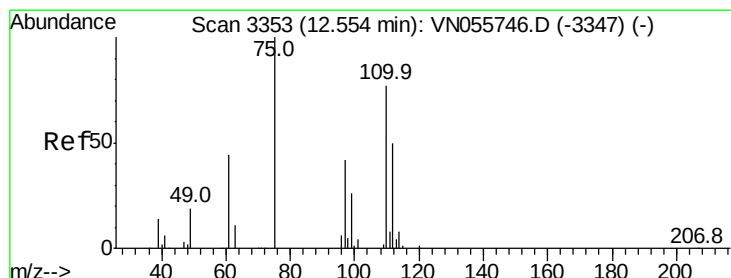
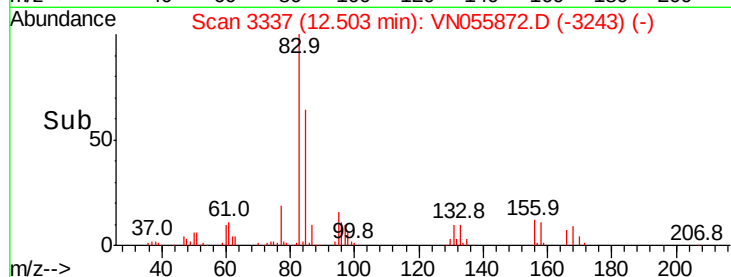
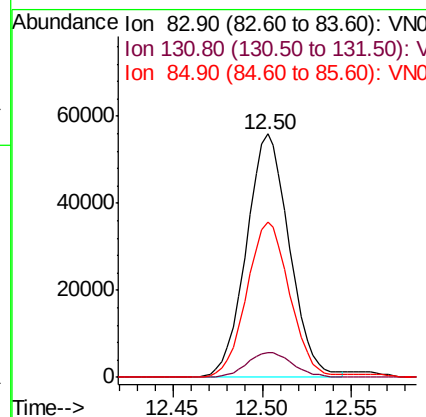
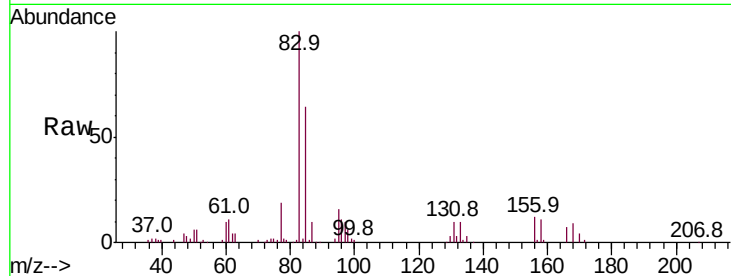
ClientSampled :

VN0529MBSD01

Tot Ion:	83	Resp:	94498
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	63.7	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.114 ug/l m

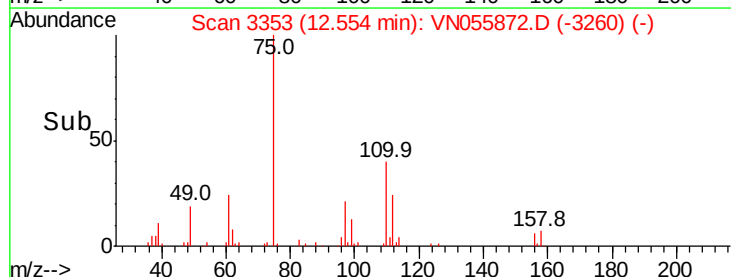
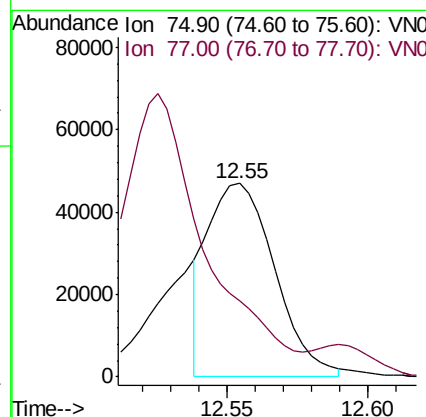
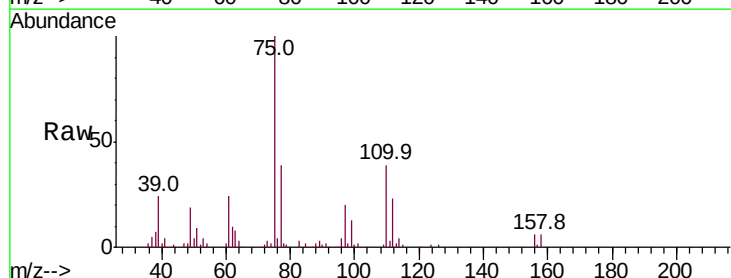
RT: 12.55 min Scan# 3353

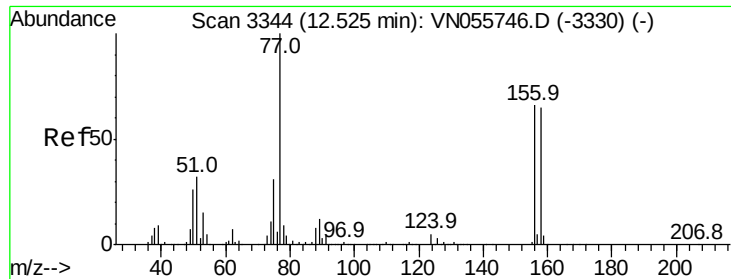
Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Tgt Ion:	75	Resp:	77443
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.056 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

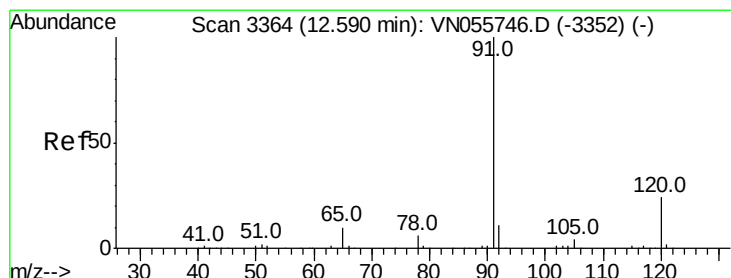
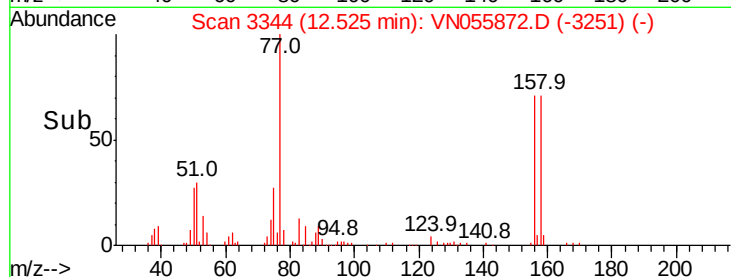
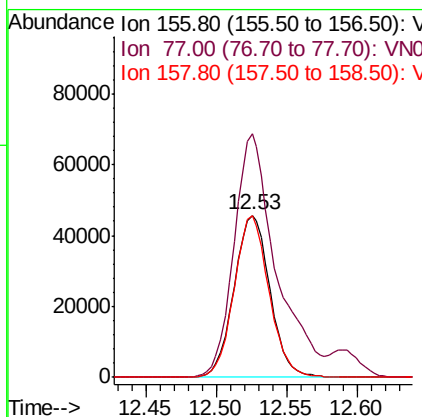
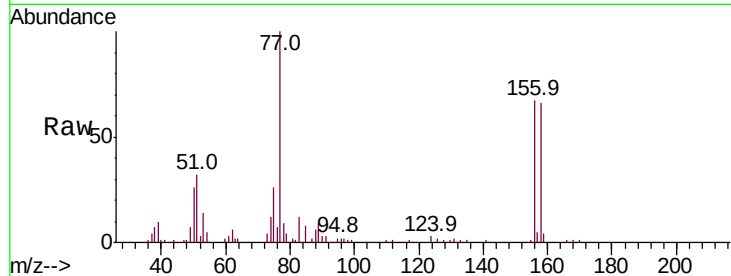
ClientSampleId :

VN0529MBSD01

Tot Ion:	156	Resp:	81460
Ion	Ratio	Lower	Upper
156	100		
77	176.7	90.8	272.5
158	97.3	49.3	147.8

Manual Integrations
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5/30/2019 9:35:05 AM



#78

n-propylbenzene

Concen: 20.646 ug/l

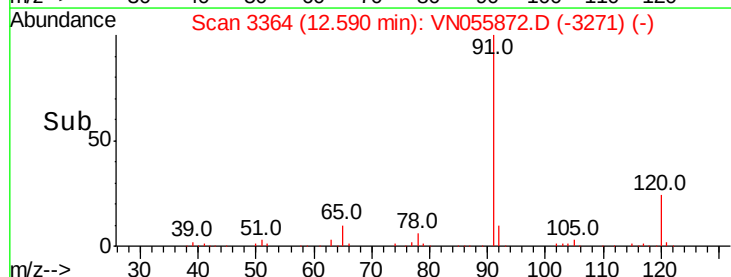
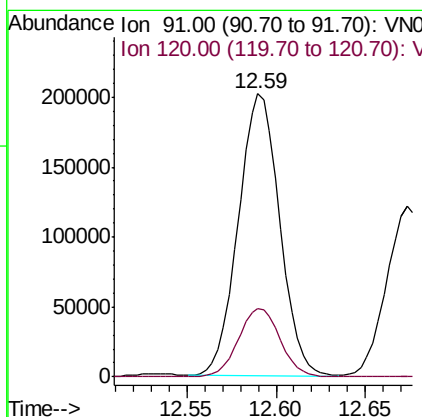
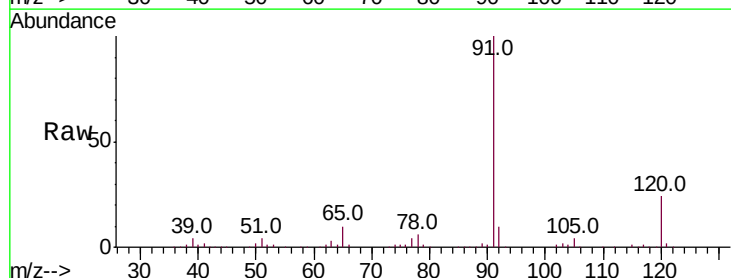
RT: 12.59 min Scan# 3364

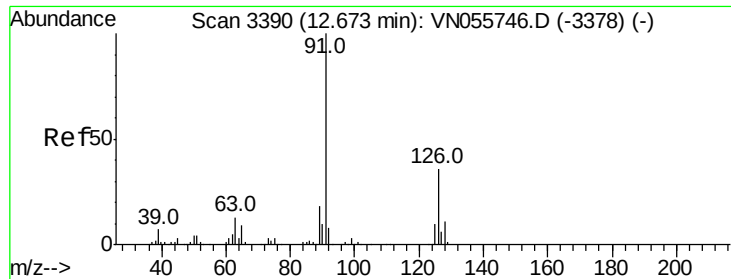
Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Tgt Ion:	91	Resp:	325329
Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.0	36.0





#79

2-Chlorotoluene

Concen: 22.297 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion: 91 Resp: 201241

Ion Ratio Lower Upper

91 100

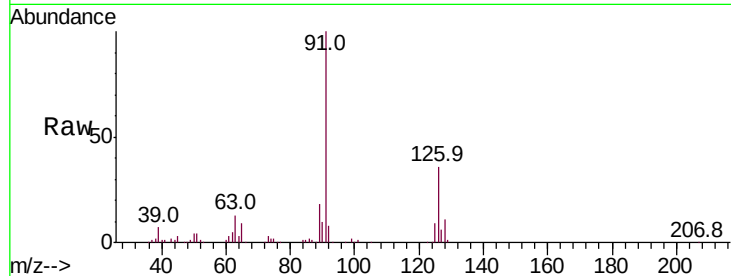
126 36.0 18.1 54.4

Manual Integrations

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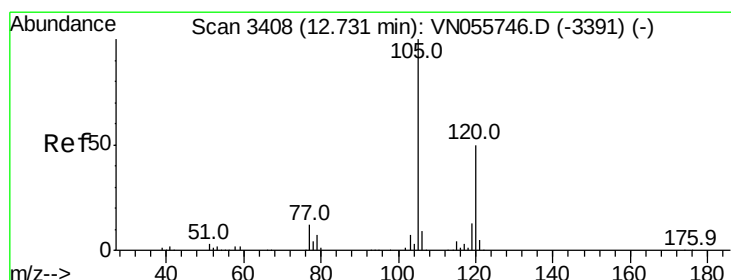
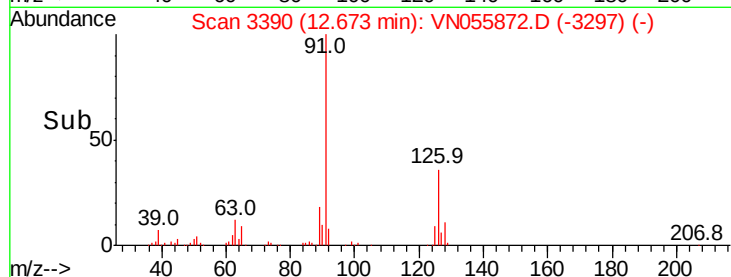
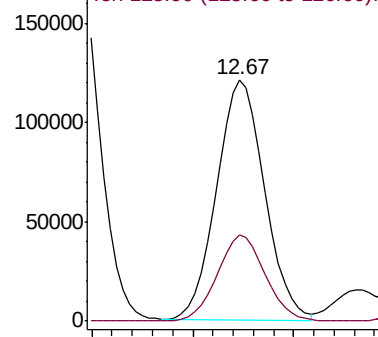
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.235 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055872.D

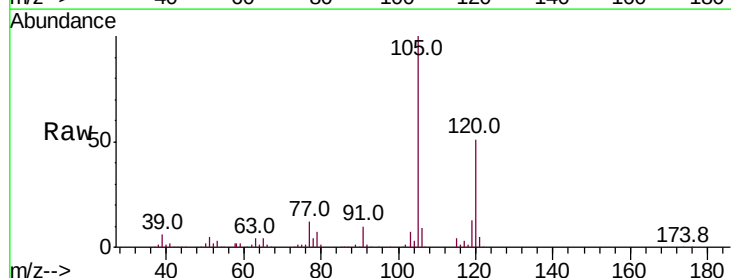
Acq: 29 May 2019 12:53

Tgt Ion:105 Resp: 256800

Ion Ratio Lower Upper

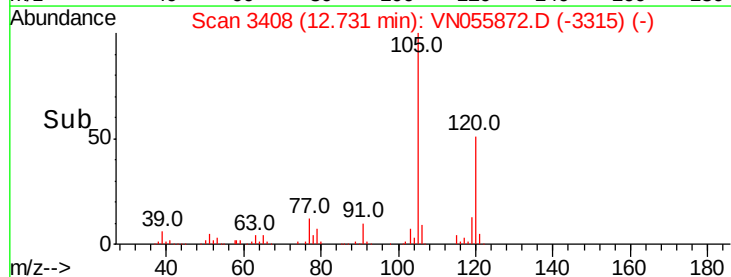
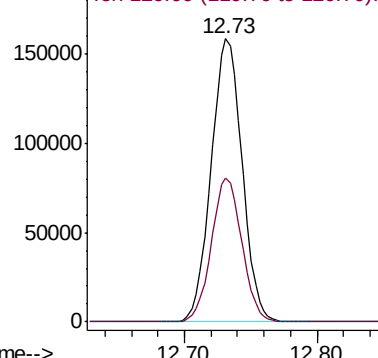
105 100

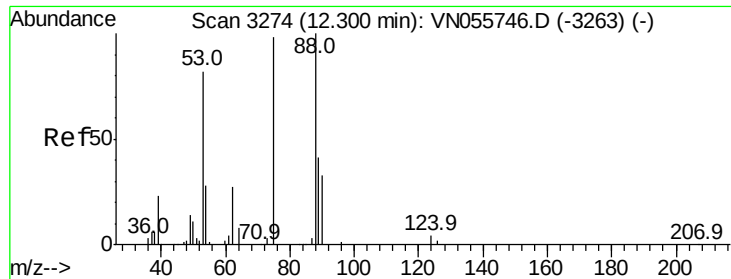
120 49.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





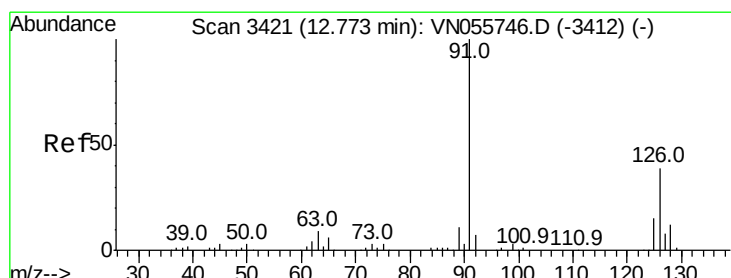
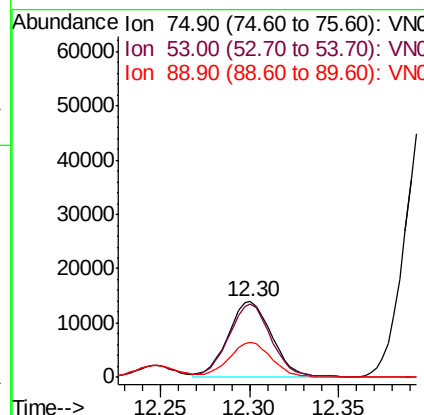
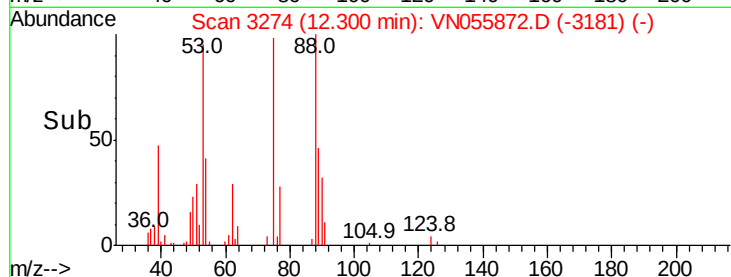
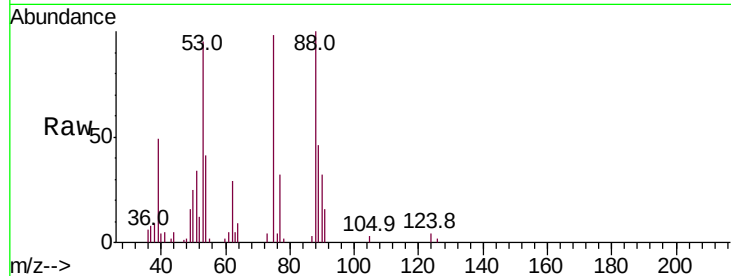
#81
trans-1,4-Dichloro-2-butene
Concen: 17.738 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	68.1	102.1
89	45.0	36.9	55.3

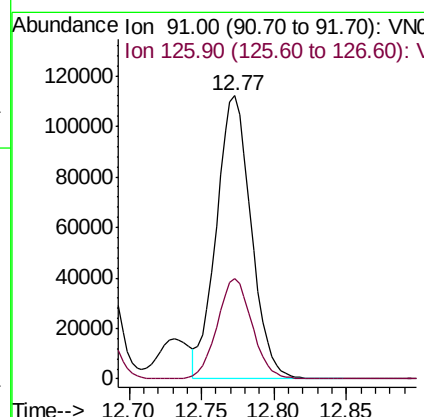
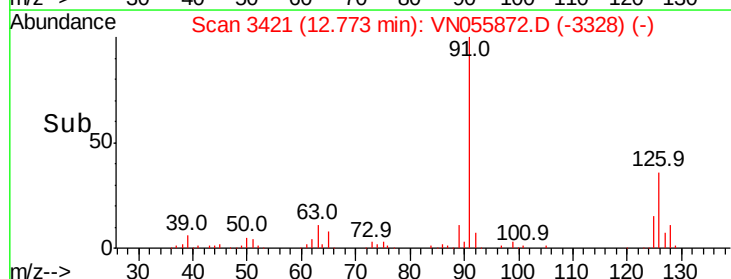
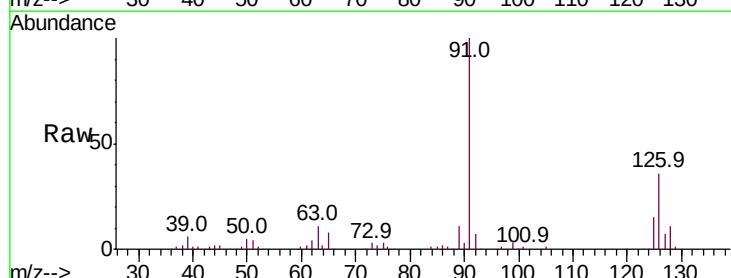
Manual Integrations
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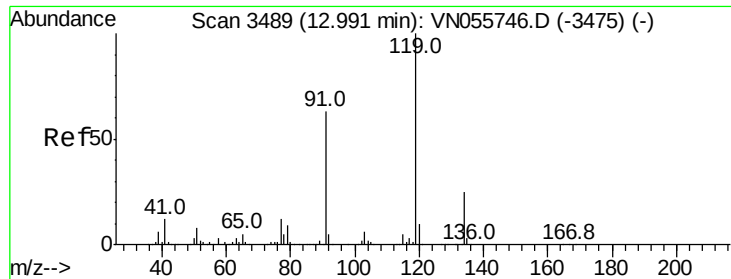
MMDadoda
5/30/2019 9:35:05 AM



#82
4-Chlorotoluene
Concen: 20.256 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.3





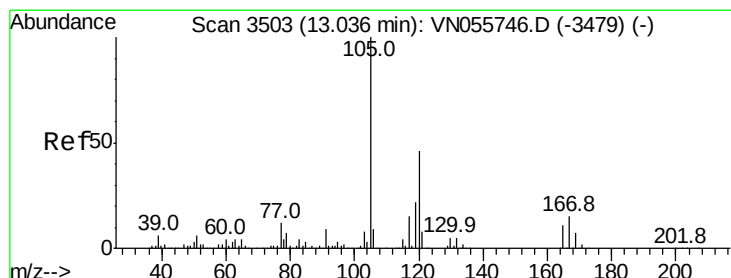
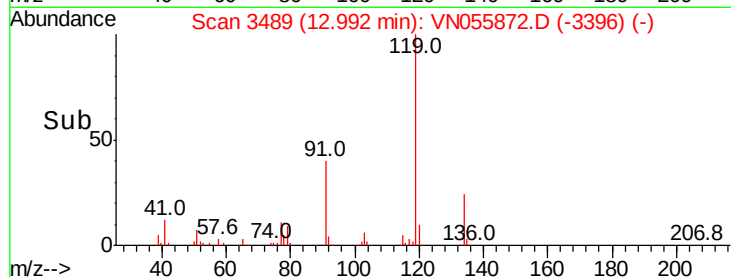
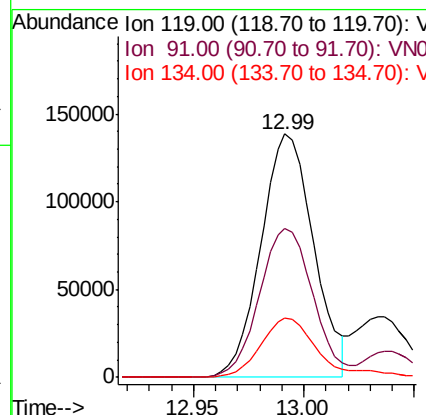
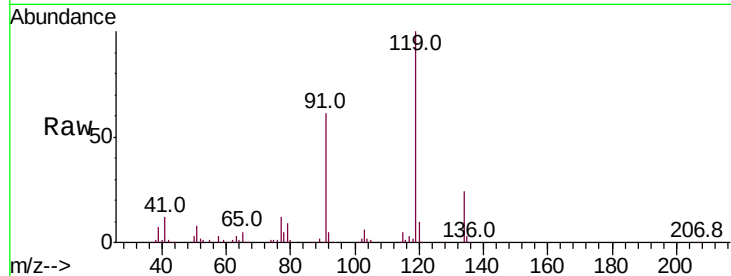
#83
tert-Butylbenzene
Concen: 22.809 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampled :
VN0529MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.9	92.8
134	26.4	13.3	39.8

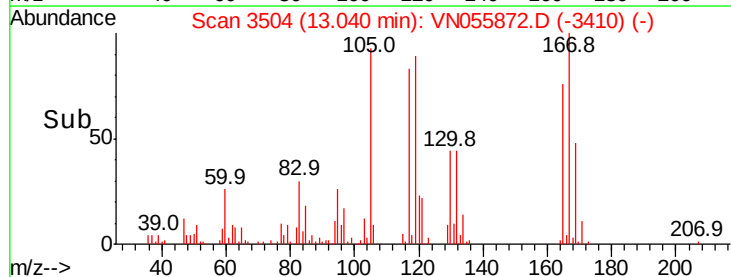
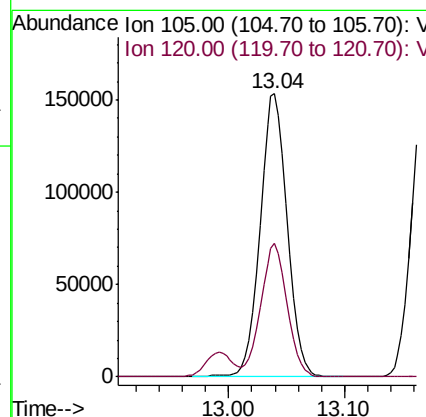
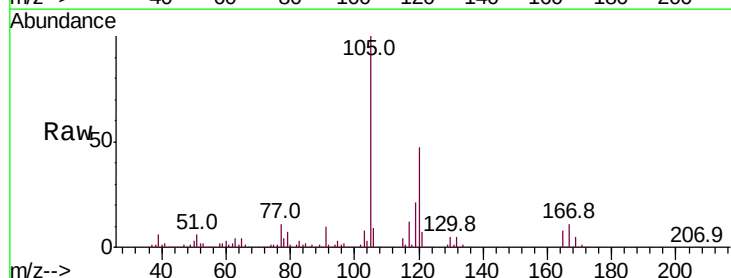
Manual Integrations
APPROVED

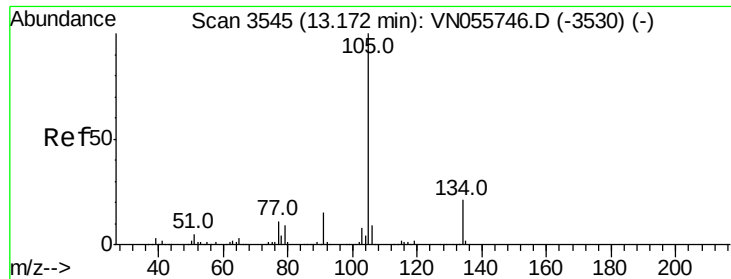
MMDadoda
5/30/2019 9:35:05 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.763 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0





#85

sec-Butylbenzene

Concen: 22.527 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion:105 Resp: 290778

Ion Ratio Lower Upper

105 100

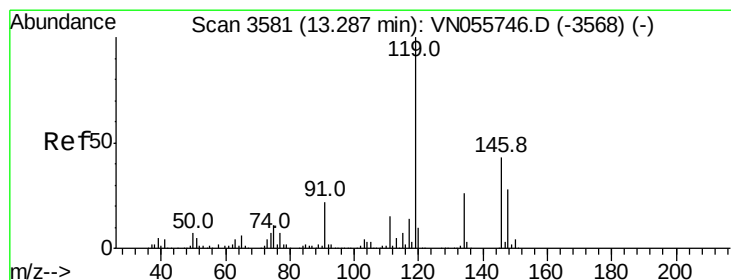
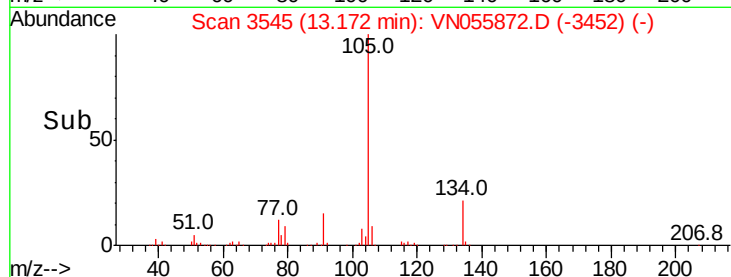
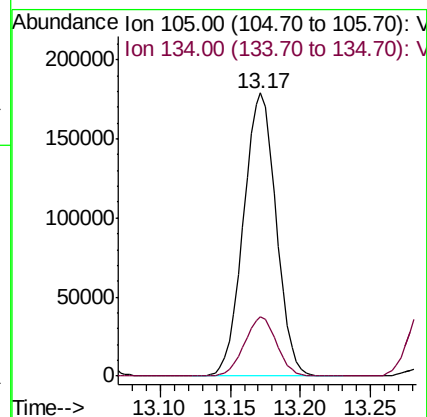
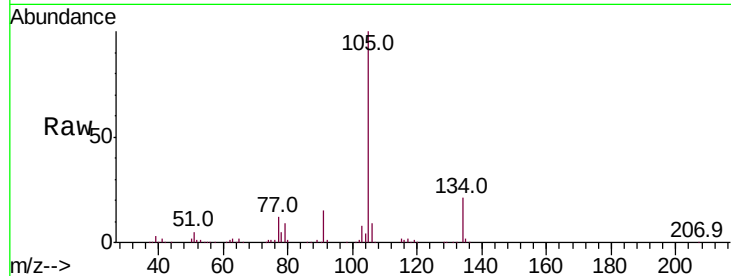
134 20.7 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.551 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

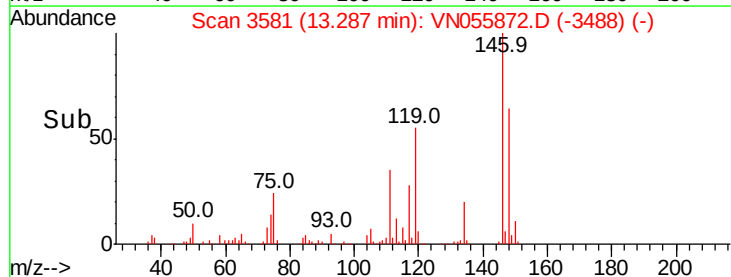
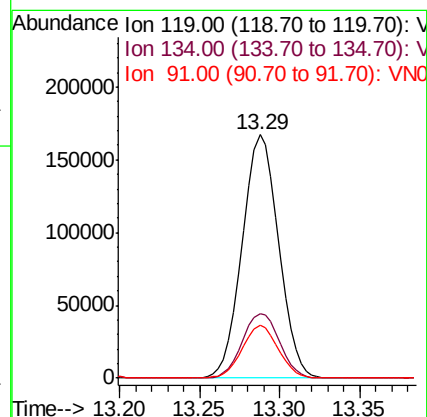
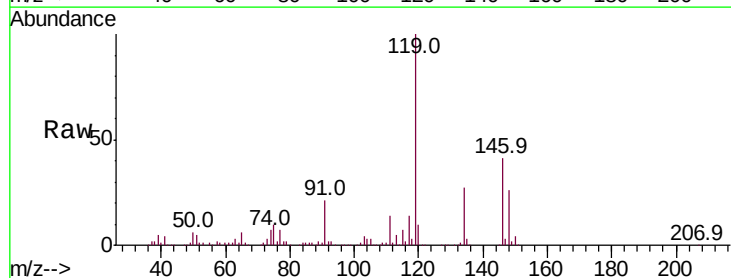
Tgt Ion:119 Resp: 258753

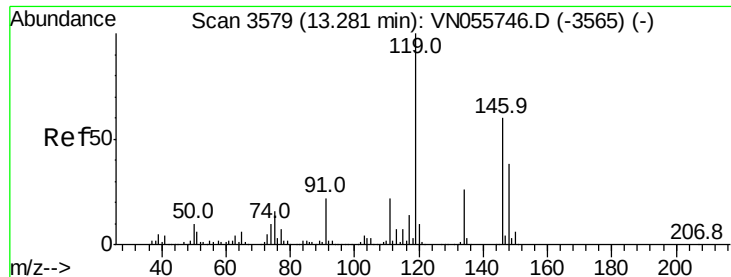
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.5 10.9 32.9





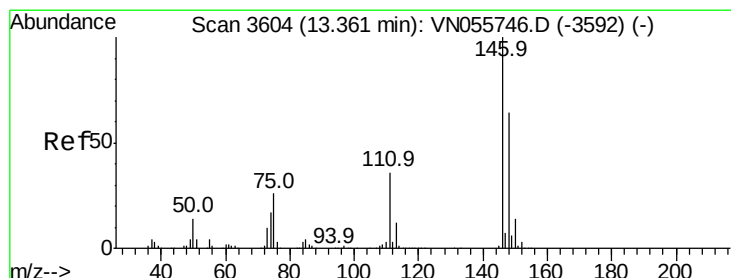
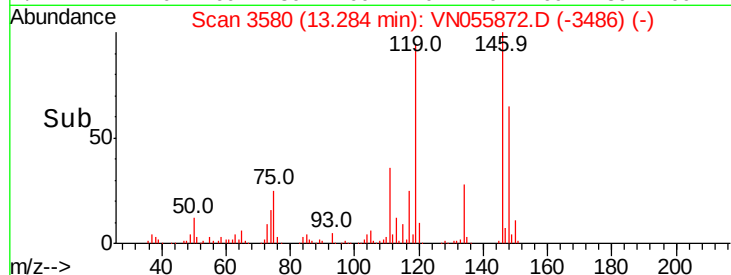
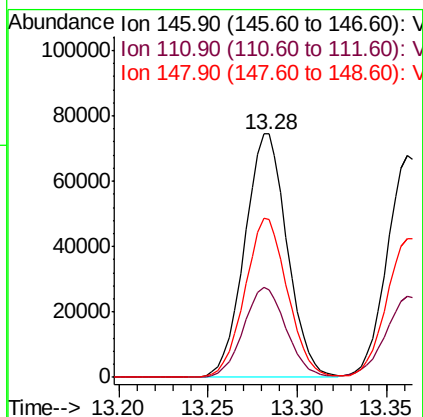
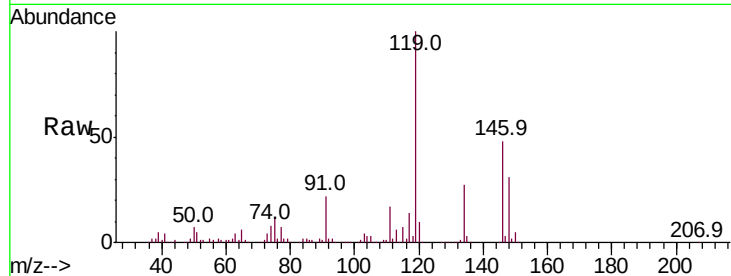
#87
 1,3-Dichlorobenzene
 Concen: 20.283 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	124253		
111	36.9	18.5	55.5	
148	65.1	32.0	96.2	

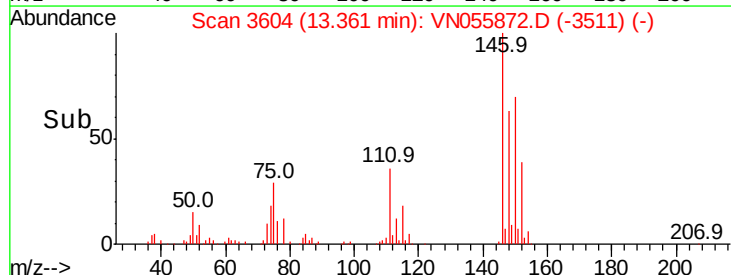
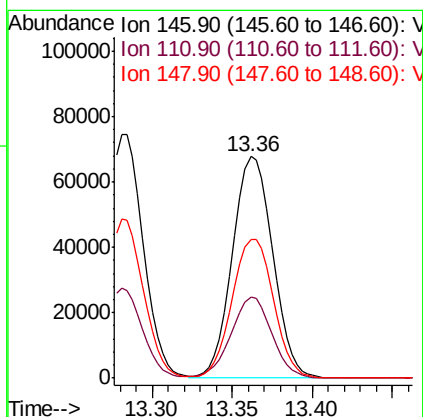
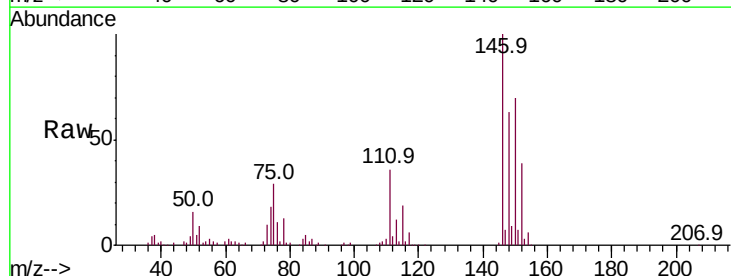
Manual Integrations
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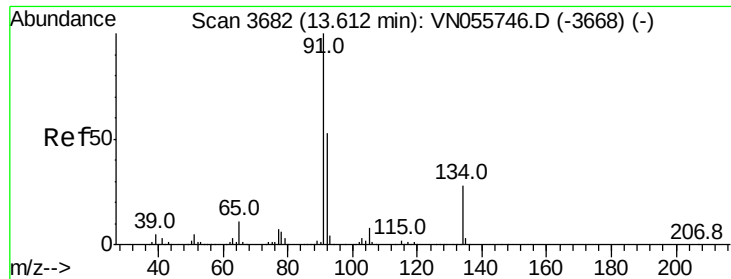
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 5/30/2019 9:35:05 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.088 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	116998		
111	37.0	18.1	54.4	
148	64.5	32.1	96.5	





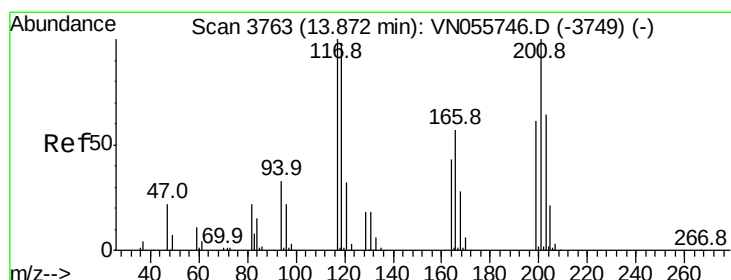
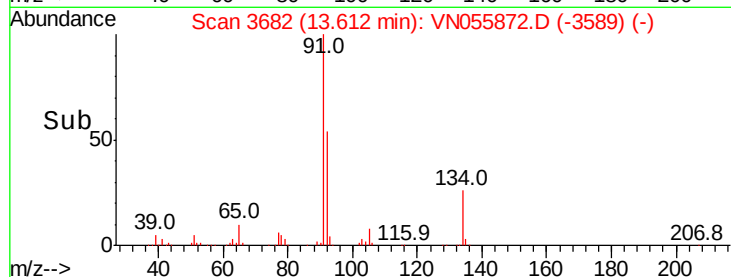
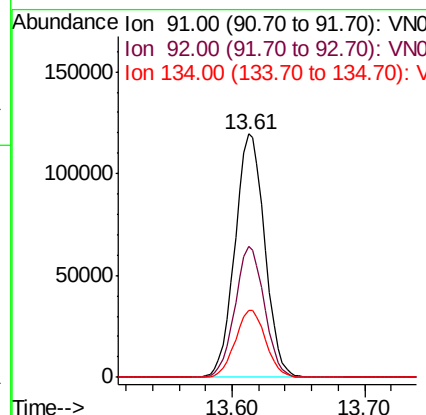
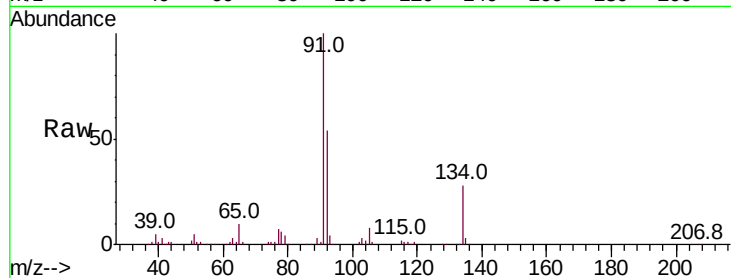
#89
n-Butylbenzene
Concen: 19.287 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	186058		
92	53.0		26.4	79.0
134	27.9		13.9	41.7

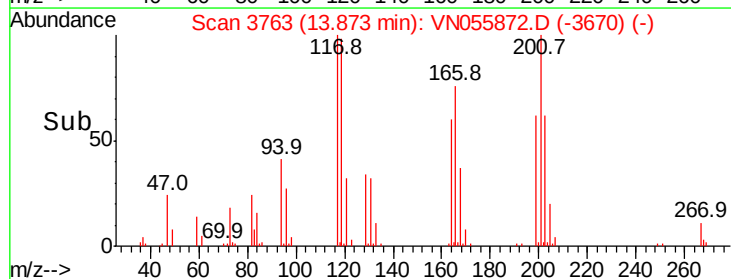
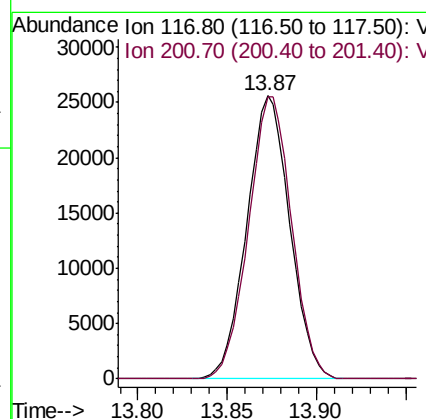
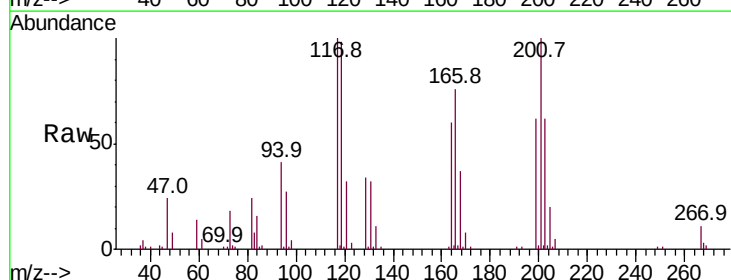
Manual Integrations
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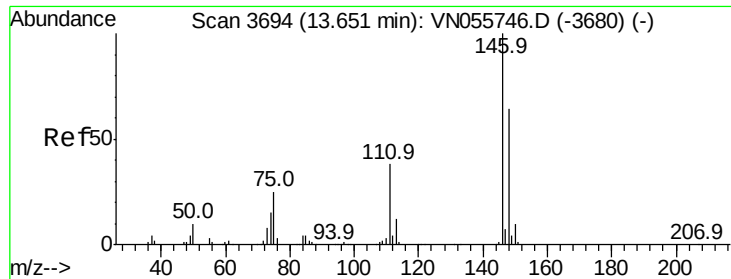
MMDadoda
5/30/2019 9:35:05 AM



#90
Hexachloroethane
Concen: 18.036 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43224		
201	99.5		50.0	150.0





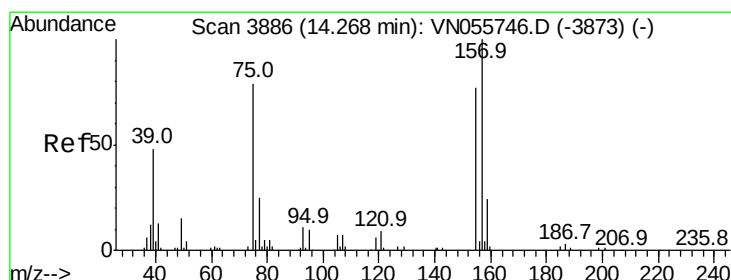
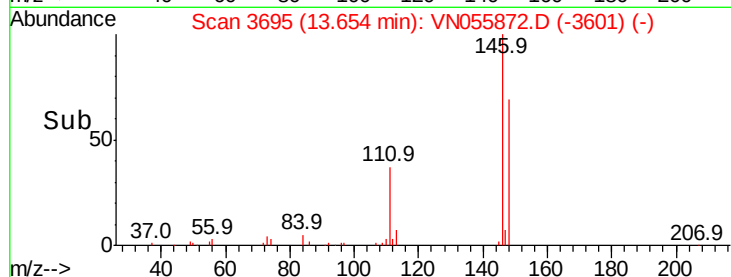
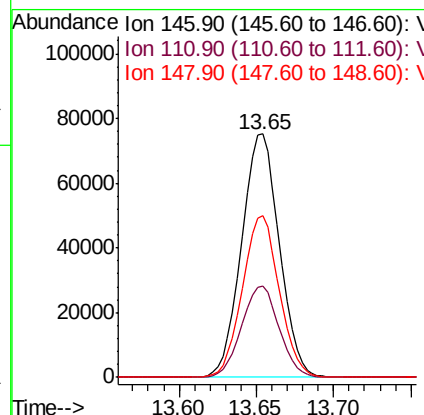
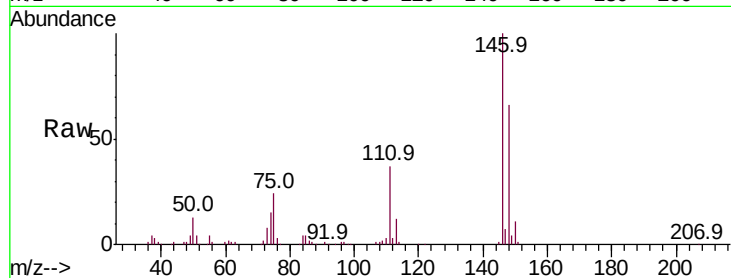
#91
 1,2-Dichlorobenzene
 Concen: 20.850 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.5
148	64.9	31.9	95.9

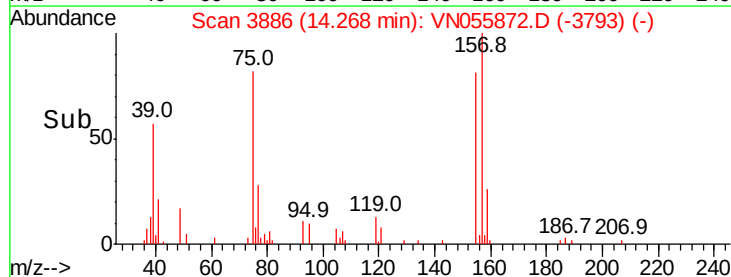
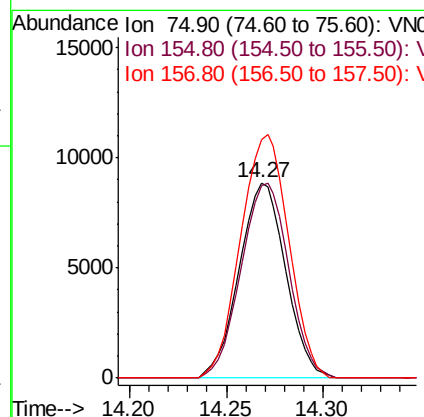
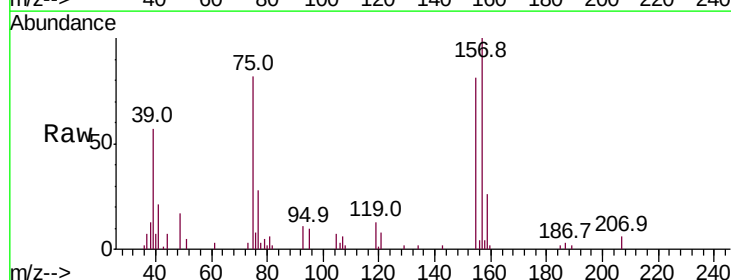
Manual Integrations
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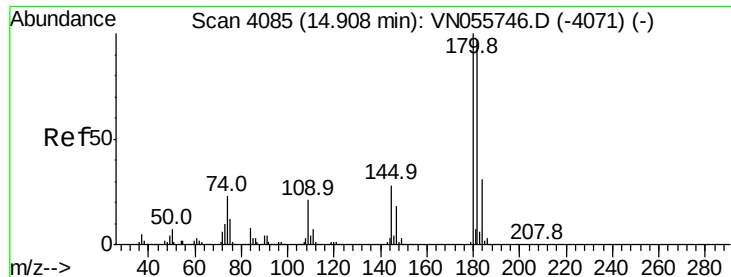
MMDadoda
 5/30/2019 9:35:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.432 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.4	50.0	150.1
157	129.1	64.8	194.3





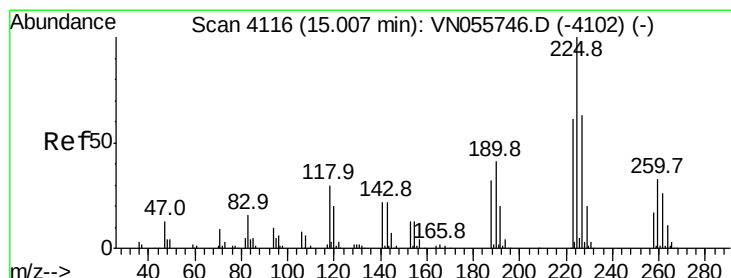
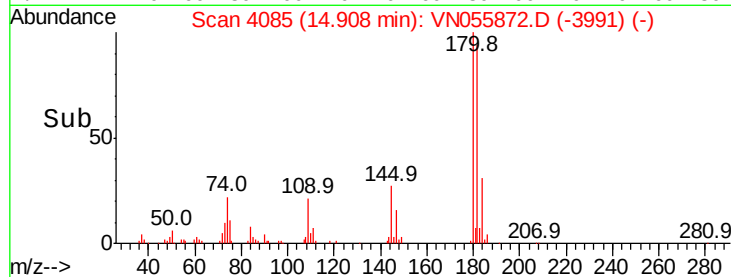
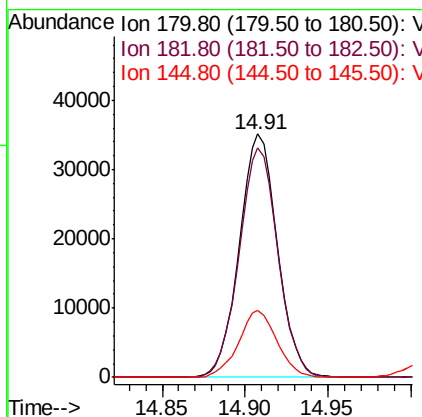
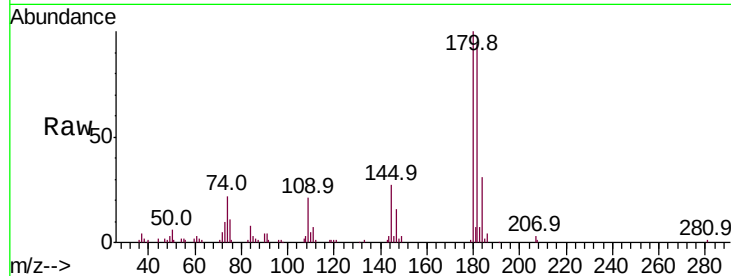
#93
 1,2,4-Trichlorobenzene
 Concen: 18.411 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	48.3	144.9	
145	27.7	14.0	41.9	

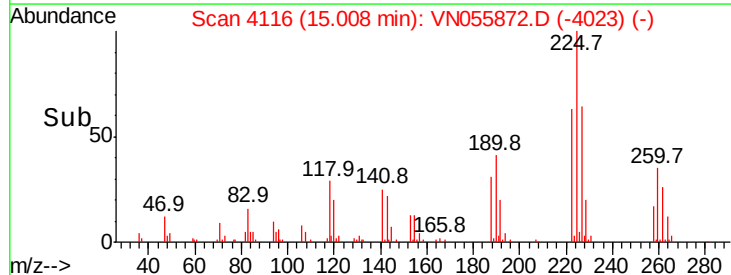
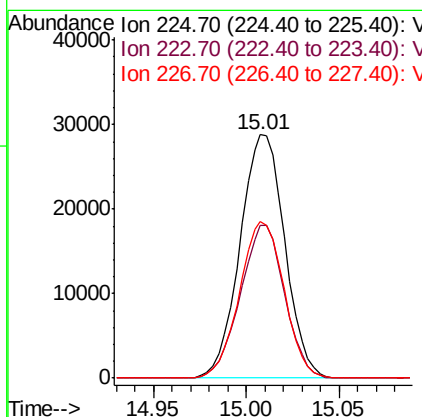
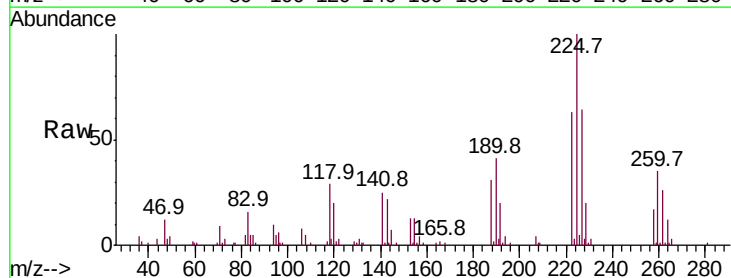
Manual Integrations
 APPROVED

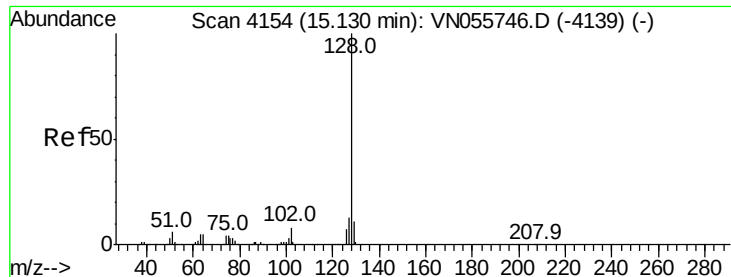
MMDadoda
 5/30/2019 9:35:05 AM



#94
 Hexachlorobutadiene
 Concen: 21.423 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	30.9	92.7	
227	64.0	31.6	94.7	





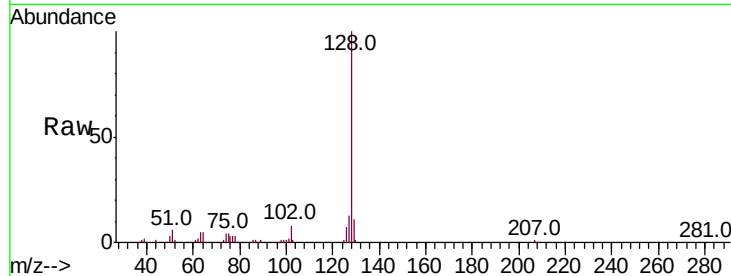
#95
Naphthalene
Concen: 18.782 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

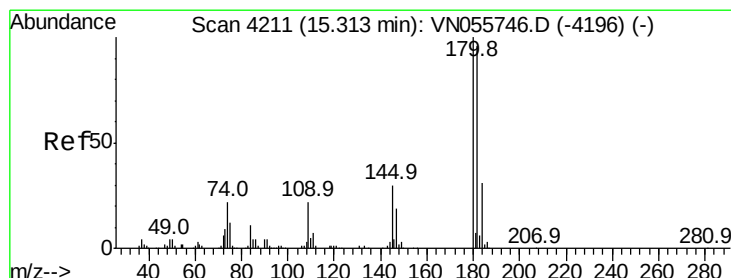
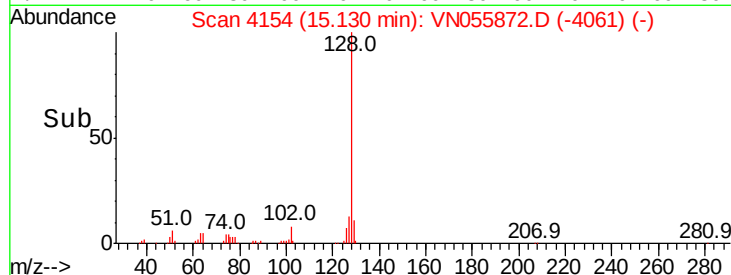
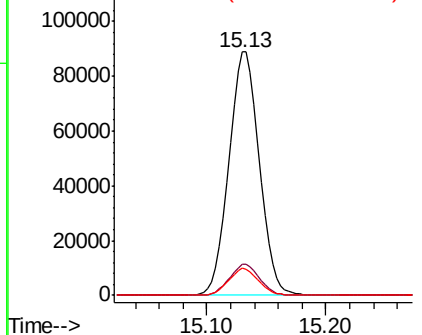
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/30/2019 9:35:05 AM

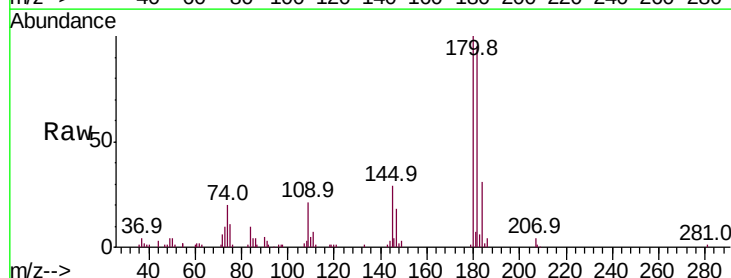


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.529 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.7
145	29.2	14.9	44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

